

## Report System

# Intellect Web Report System. User Guide

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# 1 Introduction

## 1.1 The purpose of the document

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*Intellect Web Report System. User guide* document contains information that is necessary for setting and further operation of *Intellect* software package report system and its vertical solutions. In the system working with reports is made through Web interface.

The structure of the document allows the user to skim over the provided information about *Intellect Web Report System* and select, according to degree of training, interesting parts for detailed study. Chapters in the guide are of information or reference content. They have their own internal structure.

The [Introduction](#) chapter is for general examination of the user with *Intellect Web Report System* system functionality and implementation features.

Recommendations that are necessary to user-administrator for *Intellect Web Report System* system installation are given in details in the [Requirements for Intellect Web Report System realization](#) and [Intellect Web Report System installation and removing](#) chapters of this guide.

Description of startup and shutdown of *Intellect Web Report System* system is given in [Intellect Web Report System startup and shutdown](#) chapter.

A brief excursus into system interface is given in [Intellect Web Report System interface](#) chapter.

Further in the [Intellect Web Report System administration](#) chapter there are step-by-step instructions for setting user private parameters and activation of required functionality. This information is useful both for system administrator and for operator who has rights to administrate system settings.

Information about using *Intellect Web Report System* functionality is given in the [Working with Intellect Web Report System](#) chapter.

## 1.2 Purpose of the Intellect Web Report System

*Intellect Web Report System* is a site that is located in the local network or Internet according to requirements to security system that is performed on the basis of *Intellect* software package. Administration and working with this system is performed entirely through the Web interface.

Web interface of *Intellect Web Report System* allows accomplishing the following tasks:

1. Creating and exporting reports by event log and viewing video archive from registration time of the selected event in the report (General reports). The base *Intellect* software package is required for working.
2. Creating and exporting reports by performed changes (General reports). The base *Intellect* software package is required for working.
3. Creating and exporting reports of *Auto-Intellect* module ("Auto" reports). The *Auto-Intellect* software package is required for working.
4. Creating and exporting general and detailed reports by work time accounting (WTA reports). The *ACFA Intellect* software package is required for working.
5. Creating and exporting general and detailed reports by count of people in the monitored object (People Counter detection). *Intellect Detector Pack*, *Face Intellect* and *POS Intellect* software packages are required for working.
6. Creating and exporting reports by queue length (Queue length detectors). *Intellect Detector Pack* and *POS Intellect* software packages are required for working.
7. Creating and exporting general and detailed reports by POS-events (POS reports). The *POS Intellect* software package is required for working. They also include Sweathearing monitoring for which the *Intellect Detector Pack* software package is required.
8. Setting up reports by POS events (setting up statuses of POS-events and so on).

### Note

Statuses of POS events are used for analyzing POS events while creating reports.

9. Setting up the varied user access to all reports.
10. Setting up the *Intellect Web Report System* operation in the auto mode.

**Note**

In *Intellect Web Report System* one can generate reports automatically on the schedule with subsequent saving report files on local computer and/or sending them by e-mail.

11. Creating and exporting customer behavior reports. The *Intellect Detector Pack* software package and *Analytics Pack subsystem* are required for working.

## 1.3 Components of the Intellect Web Report System

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The following components perform *Intellect Web Report System* realization:

1. Web server – computer that is supposed to be used for location of system site.
2. Clients – computers that are supposed to display Web interface of system.

In particular case Client and Web server of *Intellect Web Report System* can coincide. In other cases Web server should be available for Clients through network.

Installation of *Intellect Web Report System* is performed only on computer that is supposed to be used as Web server (see [Intellect Web Report System installation and removing](#) chapter).

Requirements for realization of Web server and Client are given in details in [Requirements for Intellect Web Report System realization](#) chapter.

## 2 Requirements for Intellect Web Report System implementation

### 2.1 The web server of the Intellect Web Report System

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To implement the web server of *Intellect Web Report System* it is necessary to install it from distribution kit that consists only of ReportSystem.msi installation package.

#### **Attention!**

For working with *Intellect Web Report System* it is strongly recommended to use Windows OS server platforms. This requirement is connected with limit of Microsoft Internet Information Services (IIS) server set in 10 simultaneous connections on any other Windows OS platforms.

#### **Note.**

*Intellect Web Report System* Web server is compatible with the same versions of operating systems as the Intellect software package.

Before *Intellect Web Report System* installation it is necessary to make sure that the following components are installed on computer:

1. Microsoft.NET Framework 4 platform;
2. Set of Microsoft Internet Information Services (IIS) servers;
3. ASP.NET 4.5 module.

If these program products are not installed it is necessary to install them.

#### **Note.**

Microsoft.NET Framework 4 platform is available for uploading at <http://www.microsoft.com/>.

#### **Note.**

Set of IIS servers is distributed along with operating systems of Windows family and as their optional component. Installation of IIS servers set is performed in accordance with [vendor website](#). Installation of ASP.NET 4.5 module which is submodule to the IIS set of servers is performed in accordance with the following [vendor website](#).


#### **Note.**

ASP.NET 4.5 module is to be enabled in the following places for Windows 8/8.1 OS:

- .NET Framework 4.5 add-on services;
- IIS services -> Internet Services -> Application development components.

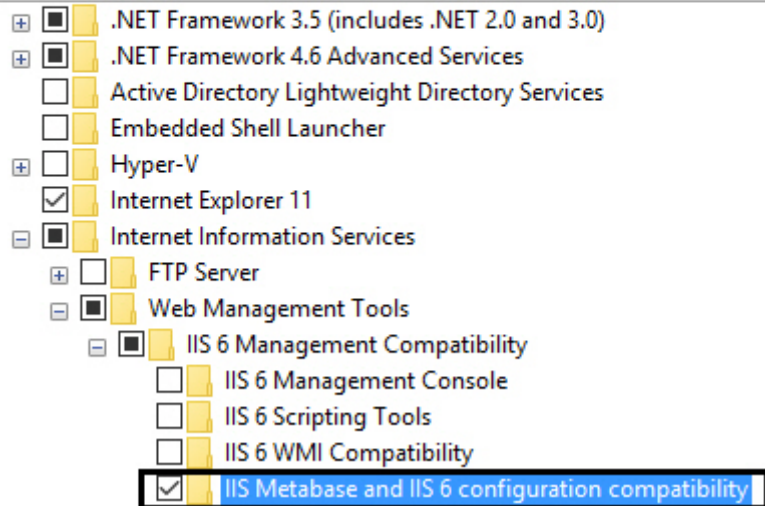
**Note.**

The IIS Metabase and IIS 6 configuration compatibility component is to be enabled for Windows 10 OS.

 Windows Features

### Turn Windows features on or off

To turn a feature on, select its check box. To turn a feature off, clear its check box.



For correct creation of reports in *Intellect Web Report System* Web server should be connected by network with all servers of databases that are used in operation. At the moment these are SQL servers that store database of *Intellect software package* configuration and system itself and optionally SQL servers where *Time and Attendance* and/or *POS reports* databases are located. In special cases both Web server and SQL server can be located on one computer.

The internal database of the server has the MS SQL format. A list of versions MS SQL Server, supported in *Intellect Web Report System* subsystem is identical with the list of versions for the Intellect software (see the [Internal video Server database](#) section).

Corresponding *Intellect* video servers (registered in the database of the *Intellect* configuration connected while installation) must be started in order to display the event video archive in detailed reports.

If the Clients connection to the Web server is supposed to be via network it is necessary to make sure that the Web server has the static IP address. Moreover it must be available on the Internet if it is specified in the security system project.

## 2.2 The client of the Intellect Web Report System

### 2.2.1 General requirements

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To ensure the proper *Intellect Web Report System* web interface displaying on the Client, the following requirements should be met:

1. *Internet Explorer* browser of 8.0 version and later.

**Attention!**

When working with *Intellect Web Report System* in the 64-bit operating system, it is recommended to use the *Internet Explorer* 32-bit browser.

2. To view the video archive of the event from the report:

- a. The use of ActiveX components in the browser should be permitted.
- b. The ActiveX *CamMonitor* component should be installed.

**Note**

The *CamMonitor* component is installed automatically with *Intellect* software package. If *Intellect* software package is not installed on the Client, it is necessary to install the *CamMonitor* component separately.

**Note.**

Web browsers that do not support ActiveX, display all text reports without the ability to view the video archive.

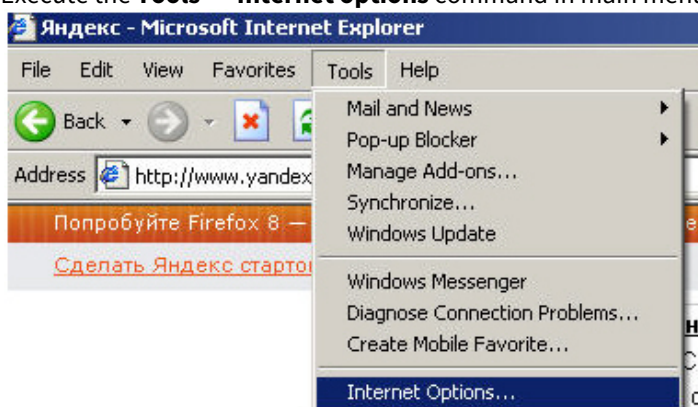
## 2.2.2 Setting up security parameters in Internet Explorer

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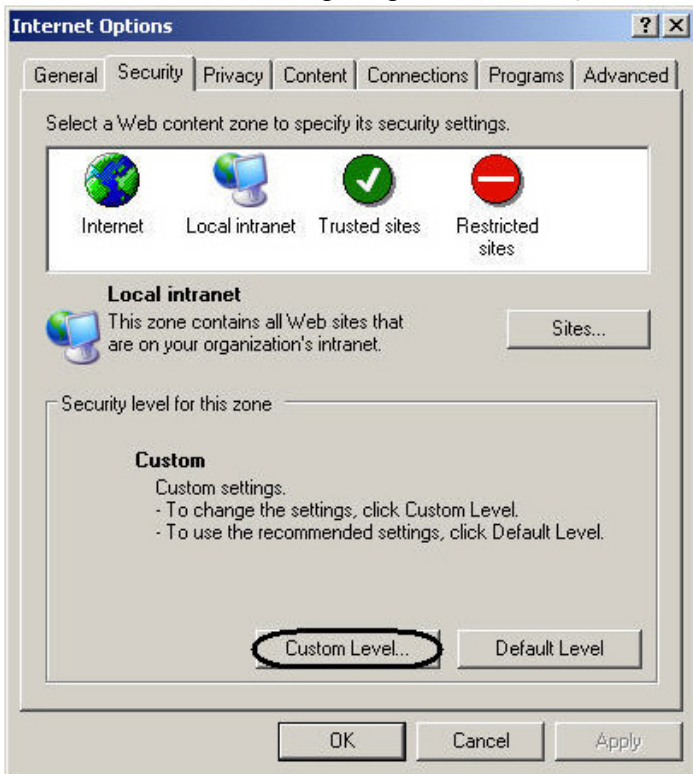
By default the use of ActiveX components is forbidden in *Internet Explorer*, that is why it's necessary to set extra security parameters.

For this do the following:

1. Execute the **Tools** -> **Internet options** command in main menu of *Internet Explorer* browser.



2. In the **Internet options** dialog box go to the **Security** tab.

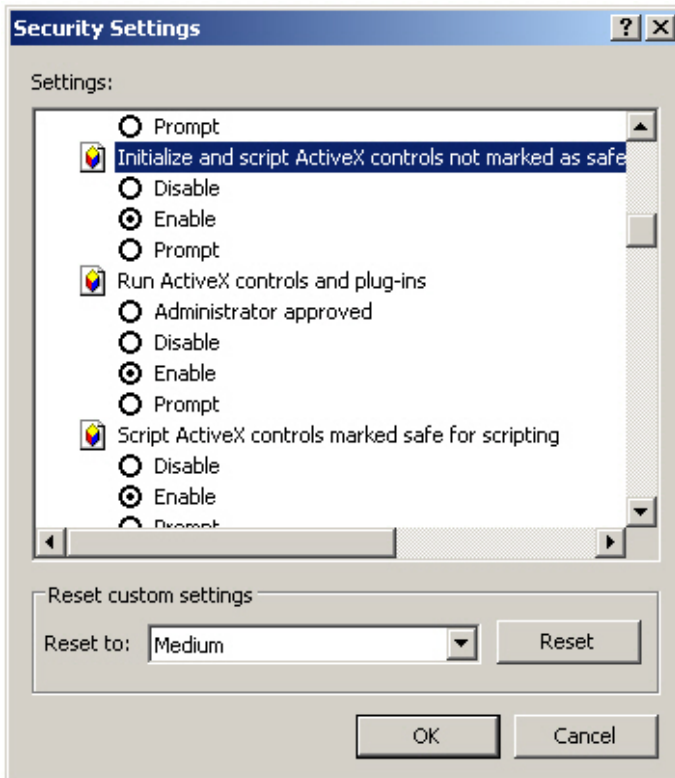


3. In selected zone of dialog box (selected on default) click **Custom level**.

4. In the **Security settings** dialog box execute the following settings:

4.1 Set the **Script ActiveX controls marked safe for scripting** checkbox to the **Enable** position.

4.2 Set the **Initialize and script ActiveX controls not marked as safe** checkbox to the **Enable** position.



5. Click **OK** in **Security settings**, and then in **Internet options**.

6. Restart browser.

Setting security parameters in Internet Explorer browser is completed.



## 3 Intellect Web Report System installation and removal

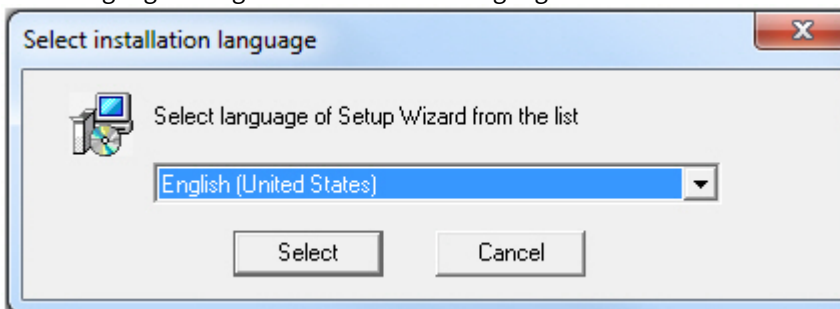
### 3.1 Installation

Rus

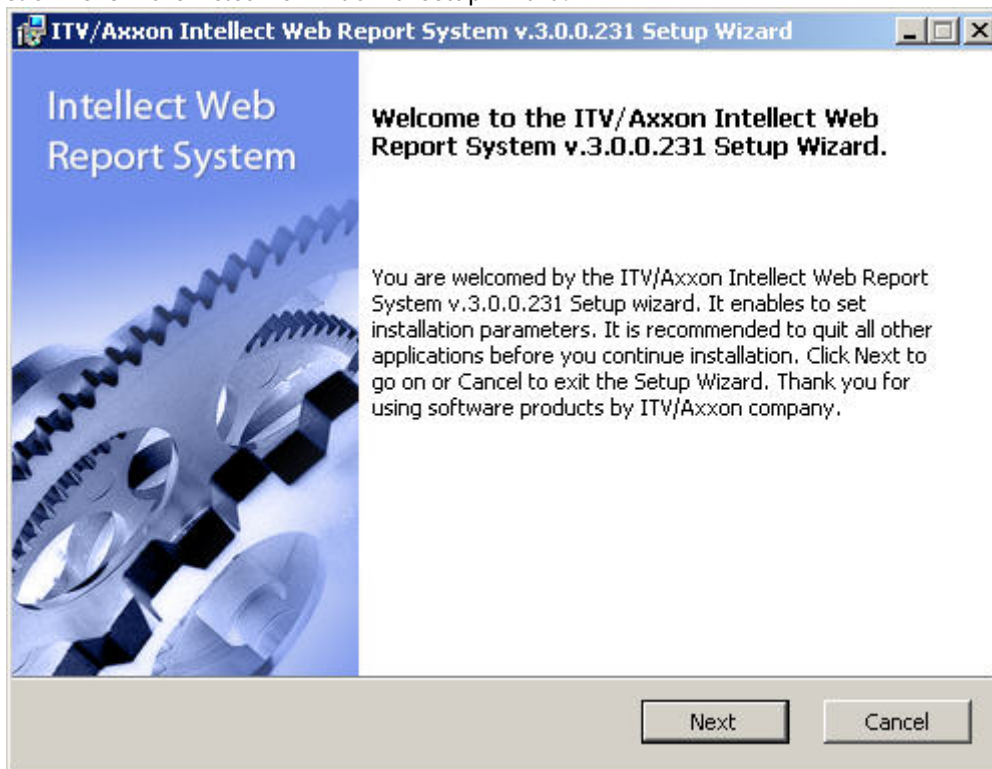
The *Intellect Web Report System* is installed as a part of the *Intellect* software. Information about compatibility of the *Intellect* software versions and *Intellect Web Report System* is presented by link: [General information about product releases and versions compatibility](#).

To install *Intellect Web Report System* do the following:

1. Start the ReportSystem.msi installation package.
2. In the language dialog window select the language from the list.

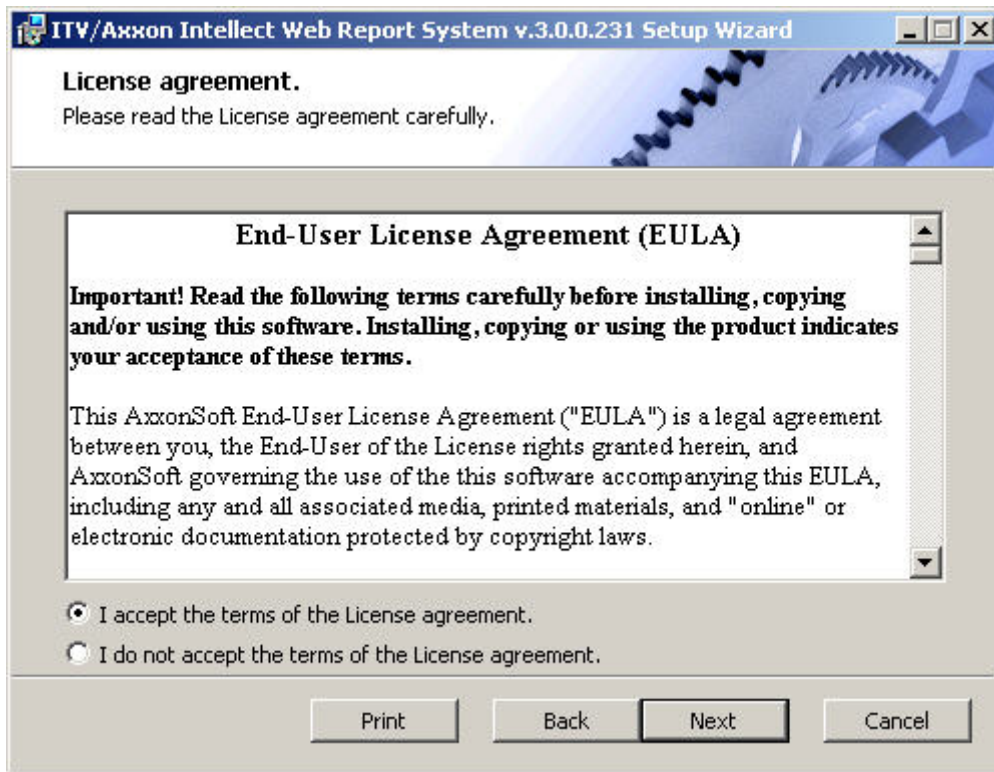


3. Click **Next** in the welcome window of setup wizard.



The dialog box of the License agreement is displayed.

4. To continue the installation one should accept the terms of the License agreement by setting the switch into **I accept the terms of the License agreement** position. Then click **Next**.



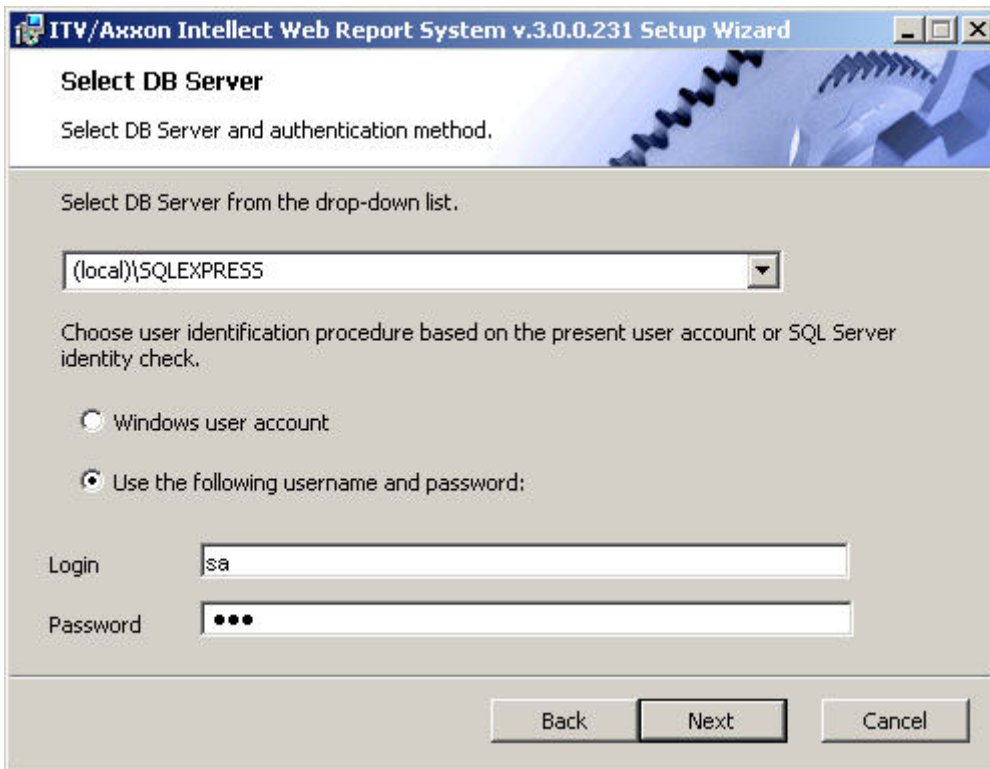
The **Select DB server** window is displayed.

5. From the **Select DB Server from the drop-down list** select SQL server where the database of the Intellect software package configuration is located. The database of *Intellect Web Report System* will be created on the same SQL server.

**Note.**

Later it's possible to move the database of Intellect Web Report System to another SQL server. The changes should be made in C:\Program Files\Intellect\Modules\Wt2\Web.config file by correcting the following connection string:

```
<add
name="ReportSystemConnectionString"
connectionString="Password=ITV;Persist Security Info=True;User ID=sa;Initial Catalog=ReportSystem;Data
Source=(local)\SQLEXPRESS;"
providerName="System.Data.SqlClient" />
```



6. Set the authentication method that will be used by the *Intellect Web Report System* while connecting to SQL server with the database of the Intellect software package configuration.

Connecting by the **Windows Account information** method there is a confirmation of user identity by using current account information of Windows OS. Method of using specified user name and password allows confirming SQL server authenticity.

**Note.**

Windows Account information method is used in the following cases:

- a. When SQL server where it's necessary to create *Intellect Web Report System* database and system itself are installed on one computer.
- b. When SQL server and *Intellect Web Report System* system are installed on different computers connected by TCP/IP and located in one network domain. An account for user that is authorized in Windows OS on computer where *Intellect Web Report System* is installed should be created in Windows OS on computer with installed SQL server.

**Note.**

Method of using login and password is for the following cases:

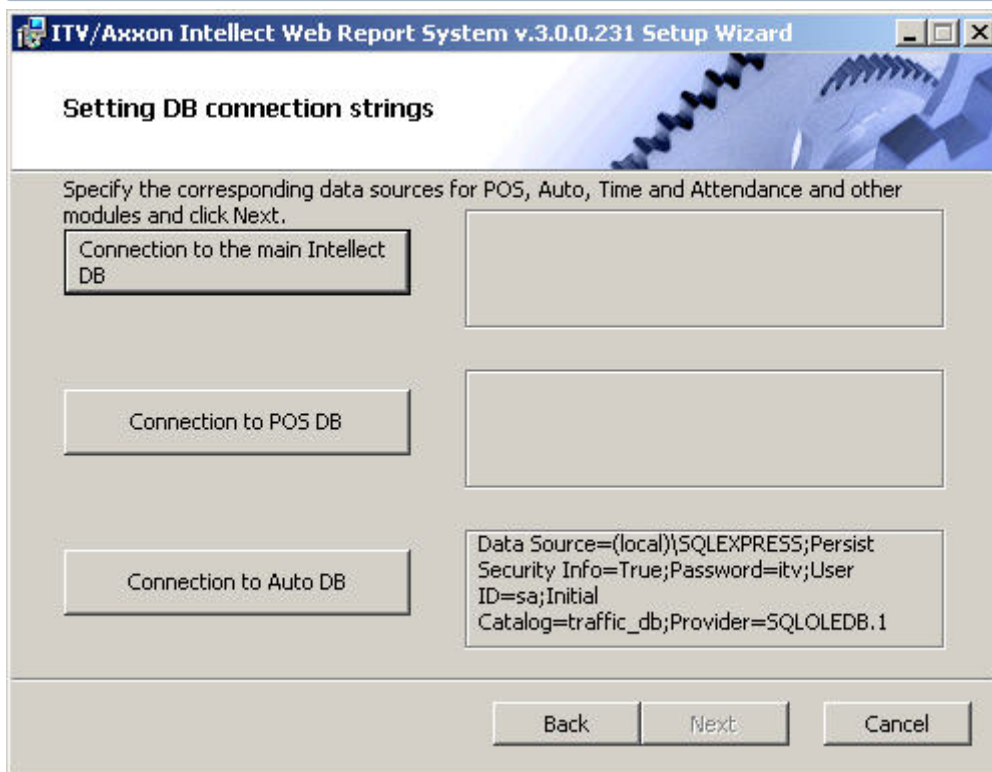
- a. When SQL server where it's necessary to create *Intellect Web Report System* system database and system itself are installed on one computer.
- b. When SQL server and *Intellect Web Report System* system are installed on different computers connected by TCP/IP and located in one network domain. At the same time specified user name (login) and password should be the same as user name (login) and password that are used to SQL server access.

7. To continue the installation process click **Next**.

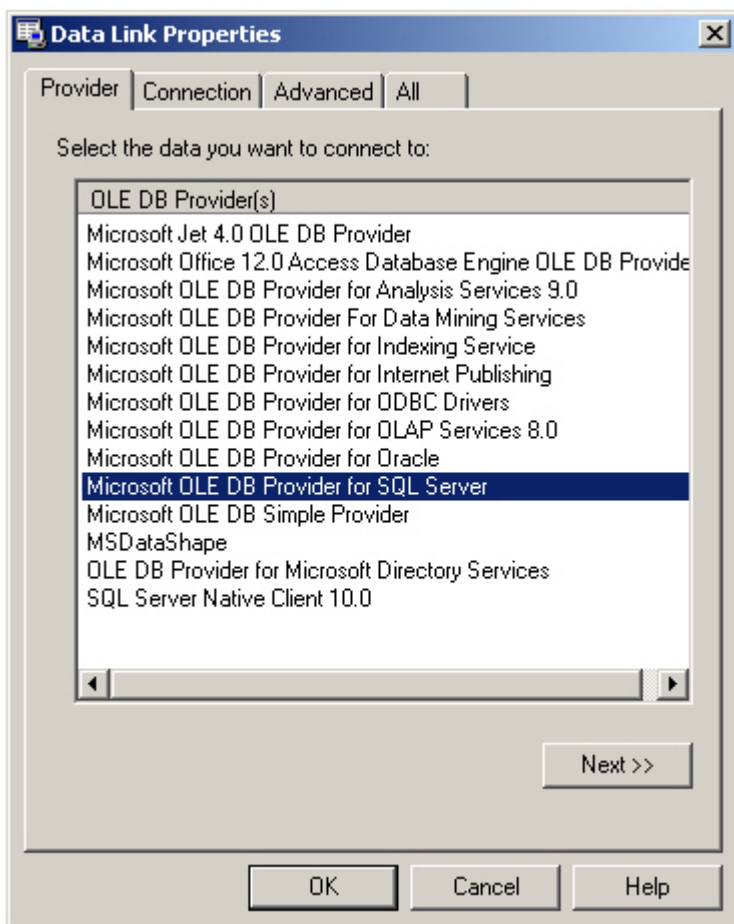
The window where it is necessary to set connection string of *Report System* to the database of Time and attendance module, to *POS Intellect* database and/or *AUTO Intellect* database. Connected databases will be the data source when creating reports.

**Note.**

If the POS Intellect software and the AUTO Intellect software are installed after the *Intellect Web Report System* installation, the connection of *Intellect Web Report System* database to the corresponding module is to be performed. Launch the Repairing mode of *Intellect Web Report System* and enter the corresponding connection strings (see Repairing section).

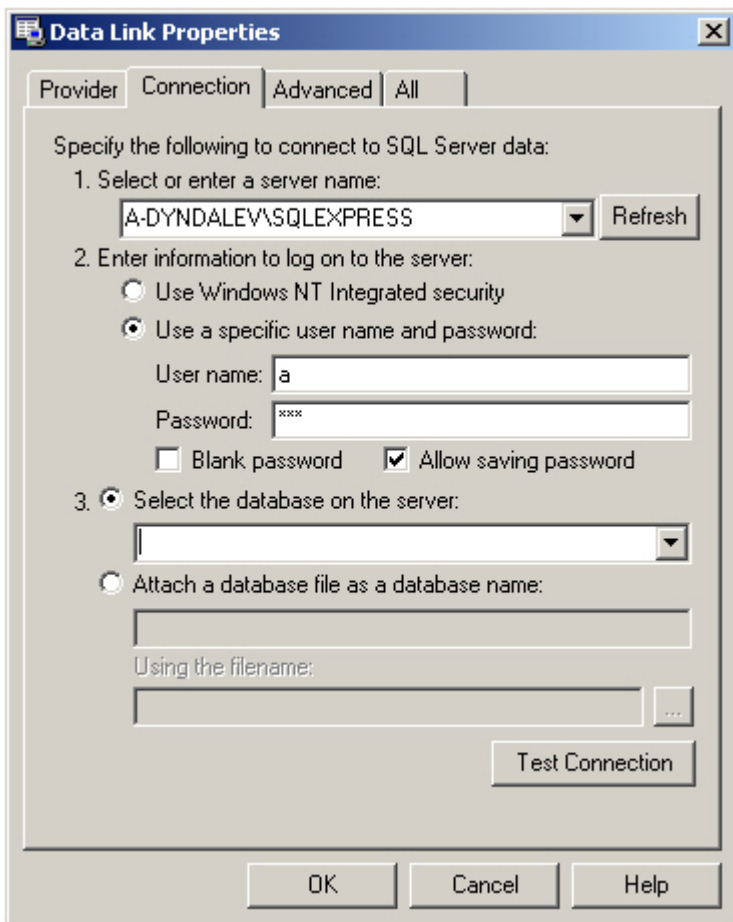


8. To set connection string to the database of *Time and Attendance* module do the following:
  - 8.1 Click **Connection to the main Intellect DB**.
  - 8.2 As a result the **Data link properties** dialog box is displayed.



8.3 In the **Data provider** tab select **Microsoft OLE DB Provider for SQL Server**. Click **Next**.

8.4 As a result there will be an automatic switch to **Connection**.

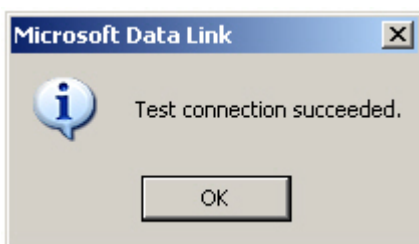


8.5 In **1. Select or enter a server name** line select from the list or enter manually the name of SQL server where database of *Time and Attendance* module is stored.

8.6 To log on SQL server it is necessary to set authentication parameters. For this set switch into **Use a specific user name and password** position. In the **User name** and **Password** fields enter username (login) and password in order to connect to SQL server. Set the **Allow saving password** checkbox.

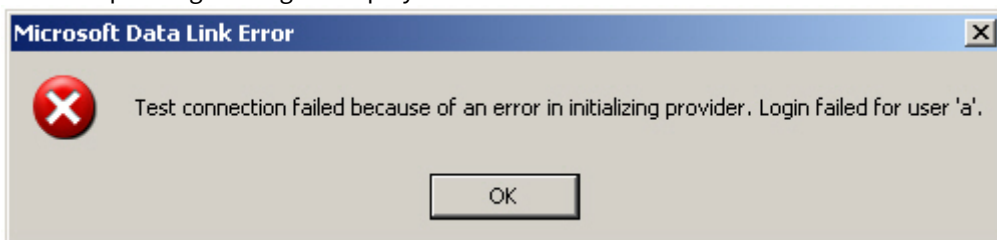
8.7 To check connection to SQL server click **Test connection**.

In case of successful connection the window with the **Test connection succeeded** message will be displayed.



It's necessary to click **OK** in the window of message and as a result the window will be shut down automatically.

If the name of SQL server and/or authentication parameters that are used in order to connect to it were set wrong then the corresponding message is displayed.



To shut down the window with the message, click **OK**. Then correct the data and check connection to SQL server once



again.

8.8 If check of connection to SQL server is successful, select from the **Select database on server** list the name of connected database.

**Note.**

Database of the *Time and Attendance* module coincides with the database of Intellect configuration (name by default is intellect).

8.9 Click **OK** in the **Data connection properties** dialog box. As a result of this operation the dialog box will shut down. Setting connection string to the database of *Time and Attendance* module is completed.

9. To set connection string to *POS* database do the following:

9.1 Click **Connection to POS DB.**

9.2 As a result of this operation the **Data connection properties** dialog box is displayed.

9.3 Repeat 8.3-8.9 steps but connect POS database (name by default is *pos*).

Setting connection string to POS database is completed.

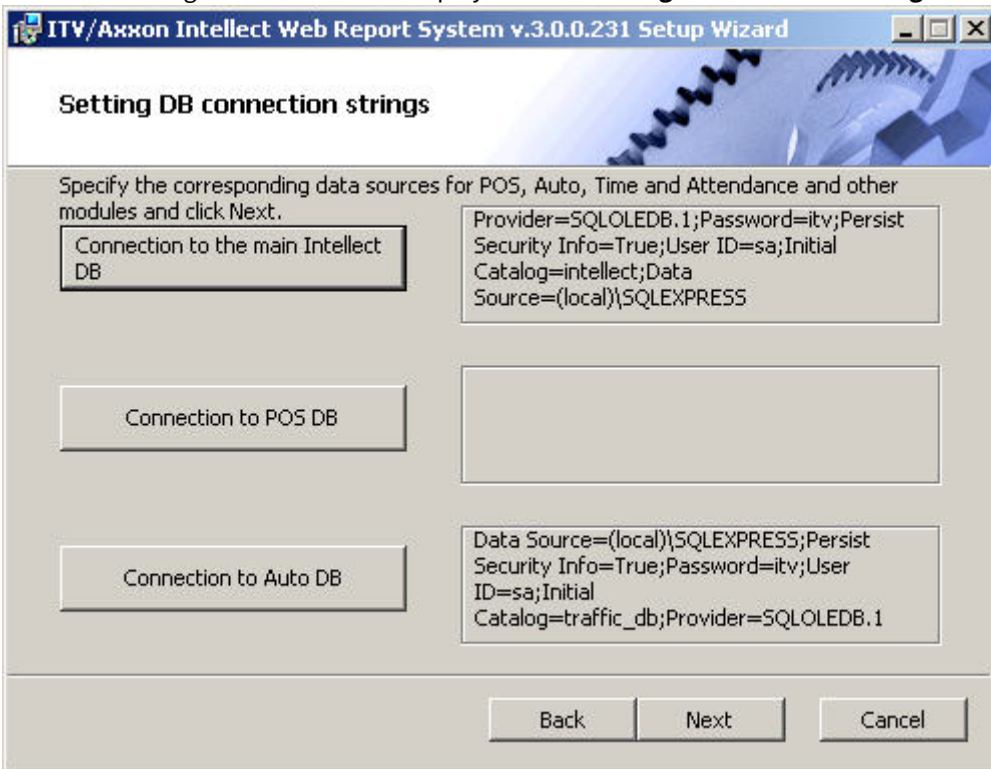
10. To set connection string to *AUTO* database do the following:

10.1 Click **Connection to Auto DB.**

10.2 As a result of this operation the **Data connection properties** dialog box is displayed.

10.3 Repeat 7.3-7.9 steps but connect AUTO database (name by default is *traffic\_db*).

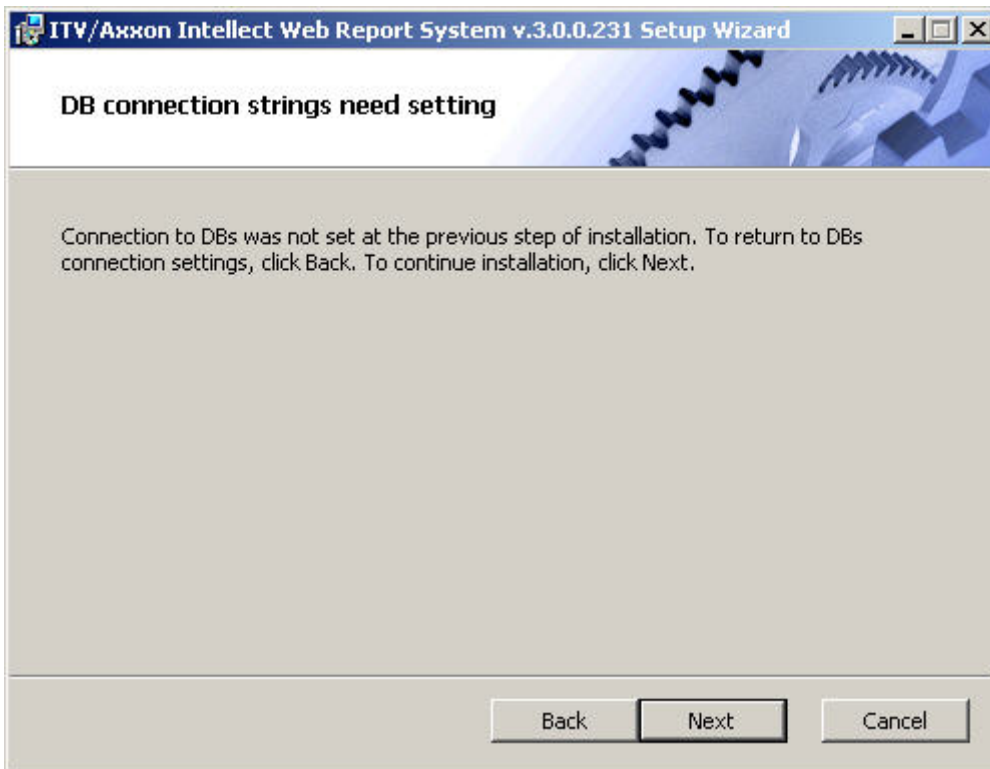
Connection strings to databases are displayed in the **Setting DB connection strings** dialog box.



11. Click **Next**. If DB connection strings has not been set then the **DB connection strings need setting** dialog box will be displayed as a result.

**Note.**

If DB connection strings has been set then installation will start as a result (see point 10).



This dialog box warns about failure of connection to DB that doesn't guarantee the operation of the system.

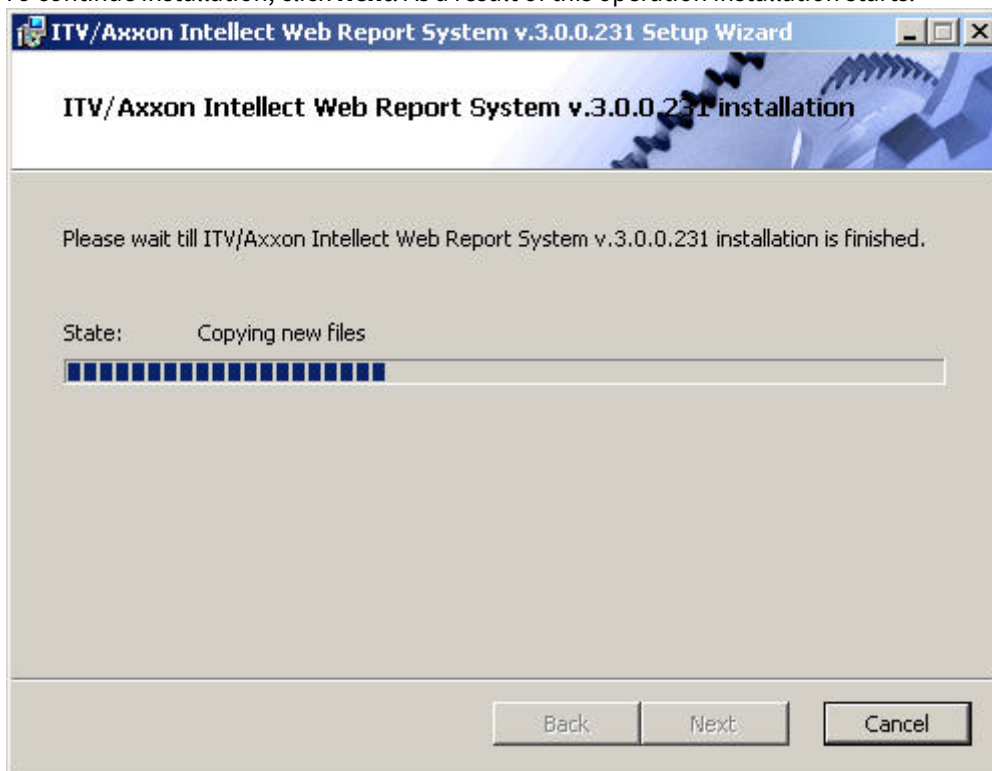
**Note.**

If there was installation without setting connection to DB then you can set the connection to DB using C:\Program Files\Интеллект\Modules\Wt2\Web.config file and adding connection strings. Examples of connection strings are given below:

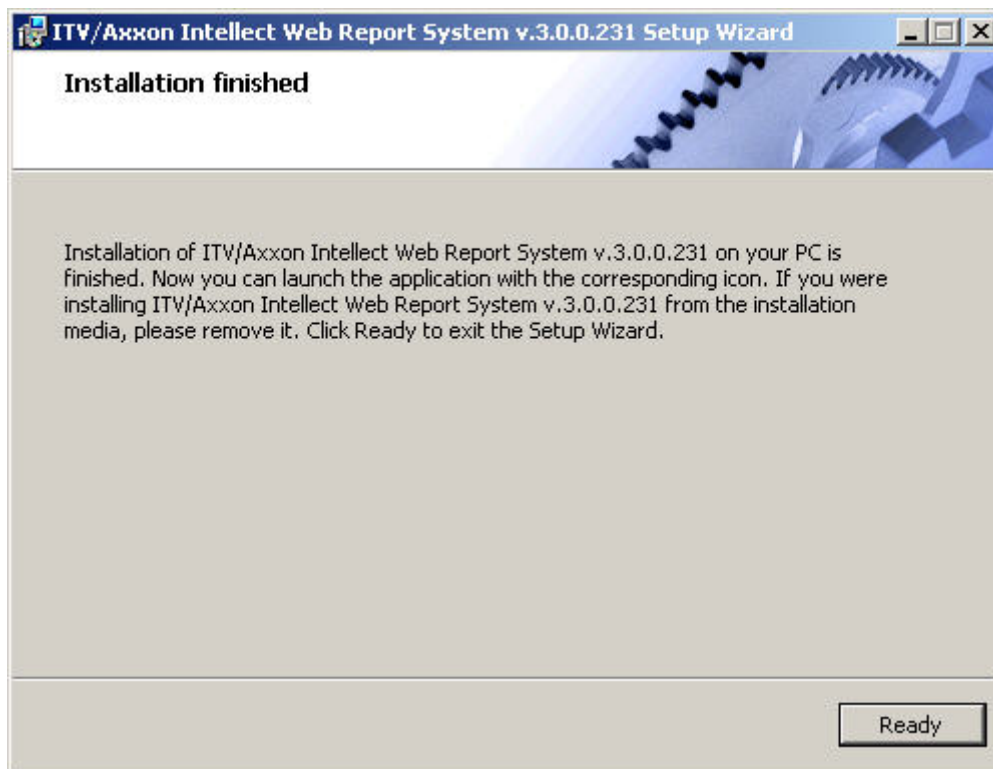
- a. `<add name="IntellectDB" connectionString="Provider=SQLOLEDB.1;Password=itv;Persist Security Info=True;User ID=sa;Initial Catalog=intellect;Data Source=WS2\SQLEXPRESS"/>`
- b. `<add name="PosDB" connectionString="Server=.\SQLEXPRESS;Integrated Security=SSPI;Persist Security Info=False;Database=pos;Provider=SQLOLEDB.1"/>`
- c. `<add name="ReportSystemConnectionString" connectionString="Password=itv;Persist Security Info=True;User ID=sa;Initial Catalog=ReportSystem;Data Source=(local)\SQLEXPRESS;"/>`



12. To continue installation, click **Next**. As a result of this operation installation starts.



Message that *Intellect Web Report System* installation is finished is displayed in a new dialog box.



*Intellect Web Report System* installation is finished and system is installed in *C:\Program Files\Интеллект\Modules\Wt2* folder.

**Note.**

If there is no folder it will be created automatically.

**Attention!**

After Intellect Web Report System installation it's necessary to restart Intellect software package.

## 3.2 Repairing

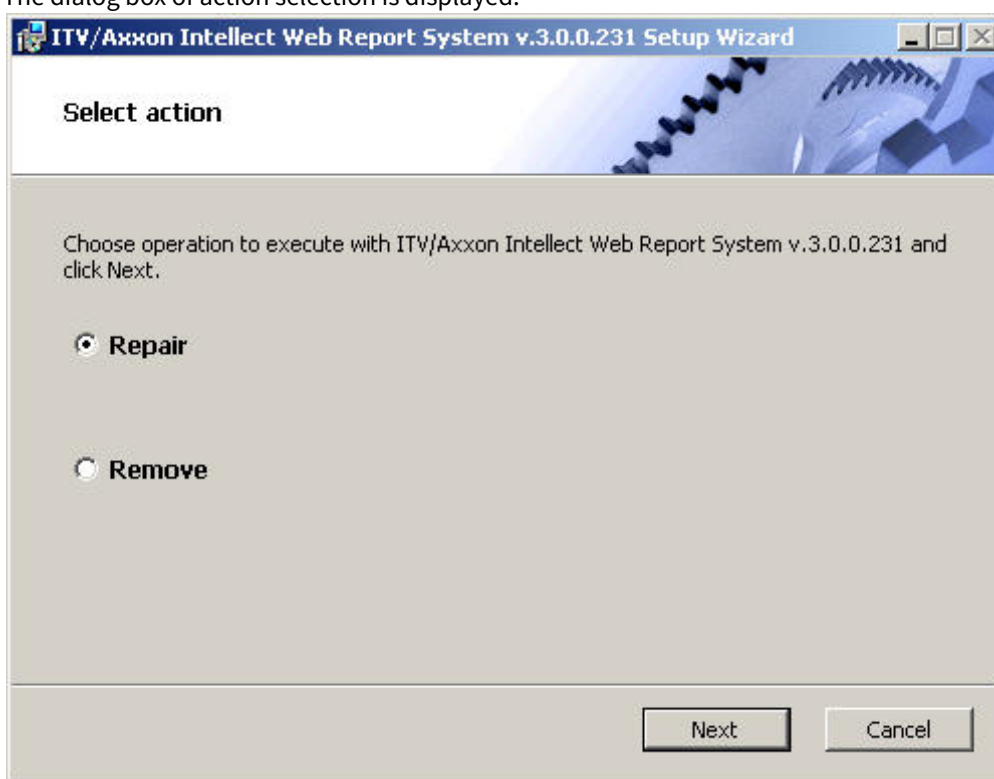
Rus

Repairing mode is designed for reinstallation of all components of *Intellect Web Report System*.

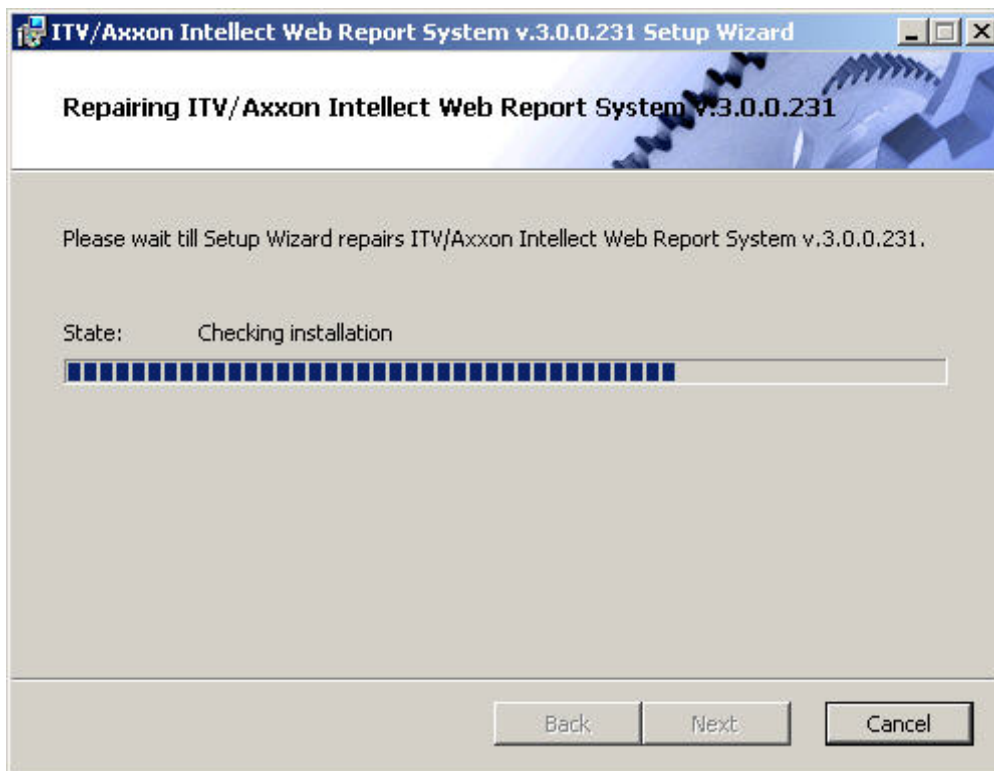
To start repairing mode it's necessary to start *Intellect Web Report System* installation once again without removing previous version of system.

To repair *Intellect Web Report System* do the following:

1. Start the ReportSystem.msi installation package.  
The dialog box of action selection is displayed.



2. Select **Repair** type and click **Next**  
The **Selection DB server** box is displayed.
3. In this and following boxes repeat 4-9 steps of *Installation* part.  
The dialog box of *Intellect Web Report System* repairing is displayed.



When repairing is finished the dialog box, where it's necessary to click **Ready**, is displayed.

*Intellect Web Report System* repairing is completed.

#### **Attention!**

After *Intellect Web Report System* repairing it's necessary to restart Intellect software package.

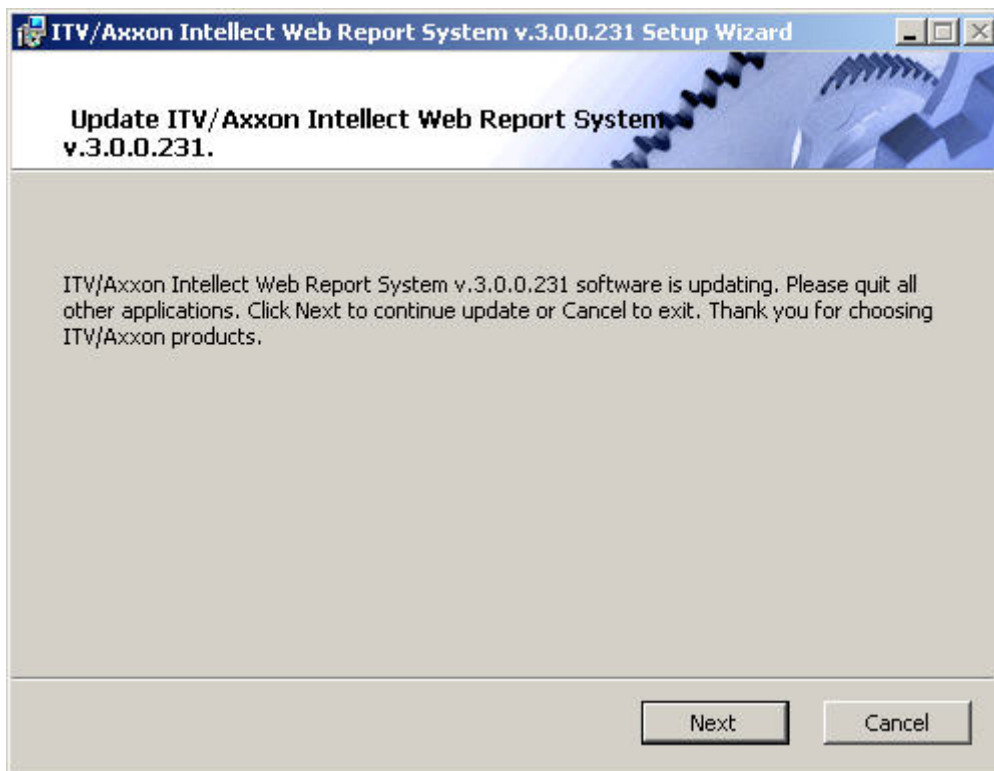
## 3.3 Updating

Rus

Updating mode is used for installation of *Intellect Web Report System* new version without removing the previous one.

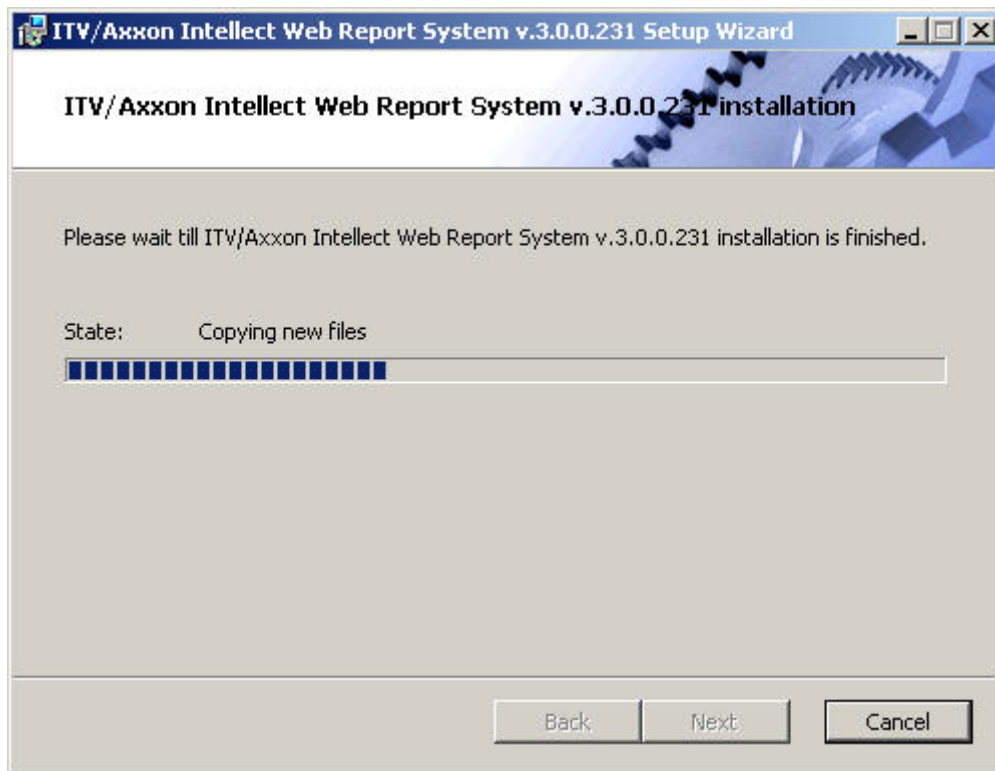
To update *Intellect Web Report System* do the following:

1. Start the ReportSystem.msi installation package.  
The dialog box of *Intellect Web Report System* updating is displayed.



2. Click **Next**.  
The **Selection DB server** box is displayed.
3. Repeat steps 4 and 5 of *Installation* part.

The dialog box of *Intellect Web Report System* updating is displayed.



When updating is finished the dialog box, where it's necessary to click **Ready**, is displayed.

*Intellect Web Report System* updating is completed.

**Attention!**

After *Intellect Web Report System* updating it's necessary to restart Intellect software package.

### 3.4 Removal

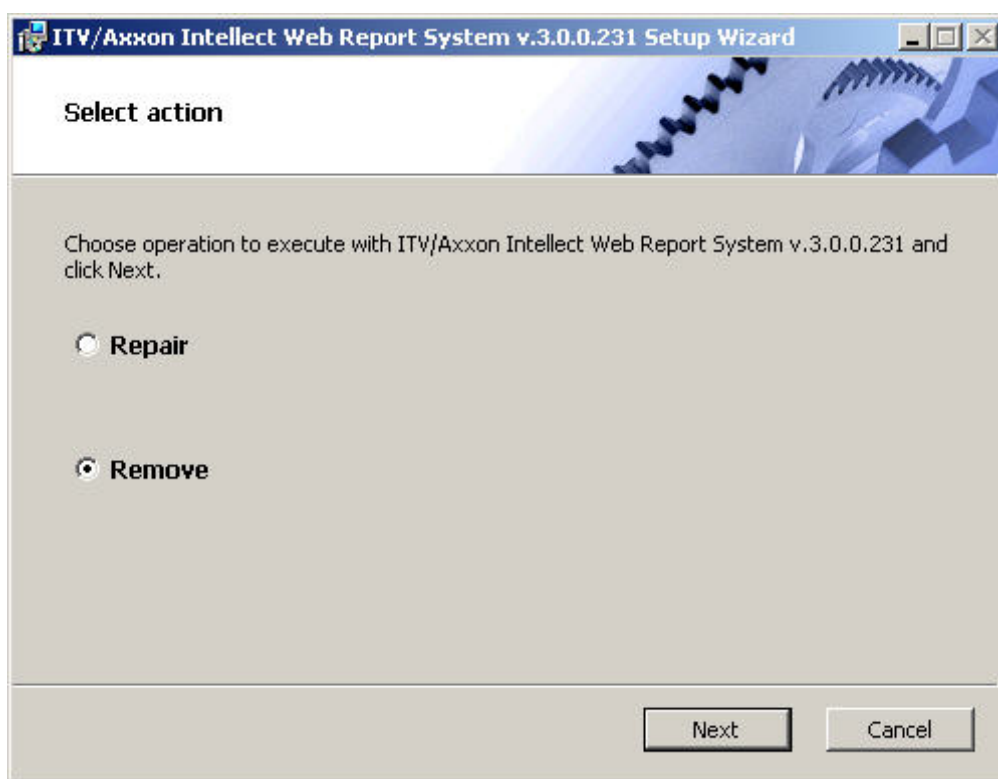
Rus

*Intellect Web Report System* installation wizard also operates in removing mode. This mode is necessary when you need to remove all *Intellect Web Report System* components on your Computer.

Starting removal is performed by using one of the following ways:

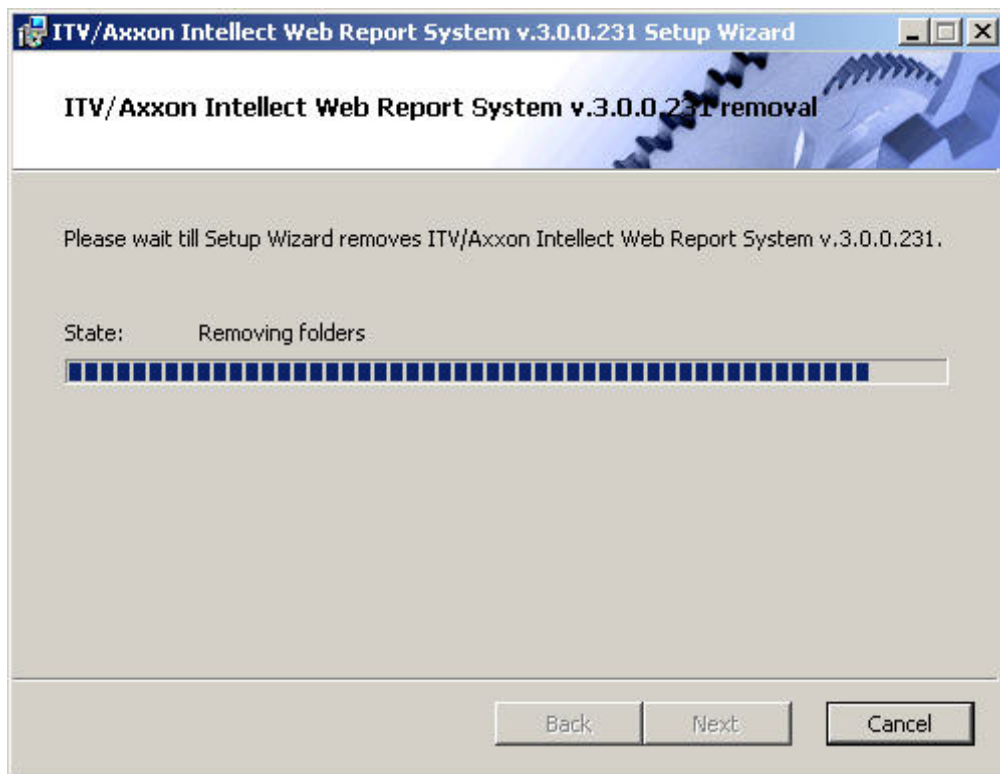
1. Using *Add or Remove Programs application* of Windows OS control panel;
2. Using ReportSystem.msi installation package.

As a result of one of these actions the dialog box of action selection is displayed.



Select **Remove** type and click **Next**.

The dialog box of removing process of *Intellect Web Report System* will be displayed.



When removing is finished the dialog box, where it's necessary to click **Ready**, is displayed.  
*Intellect Web Report System* removing is completed.

## 4 Intellect Web Report System licensing

### 4.1 Activation key

Rus

*Intellect Web Report System* functionality is restricted by the activation key that is bundled with the *Intellect* installation kit.

If the *Intellect Web Report System* is extended (for example if it is necessary to add some types of reports) then it is necessary to replace the previous activation key with a new one that will restrict the updated system functionality.

### 4.2 Activation of Intellect Web Report System functionality

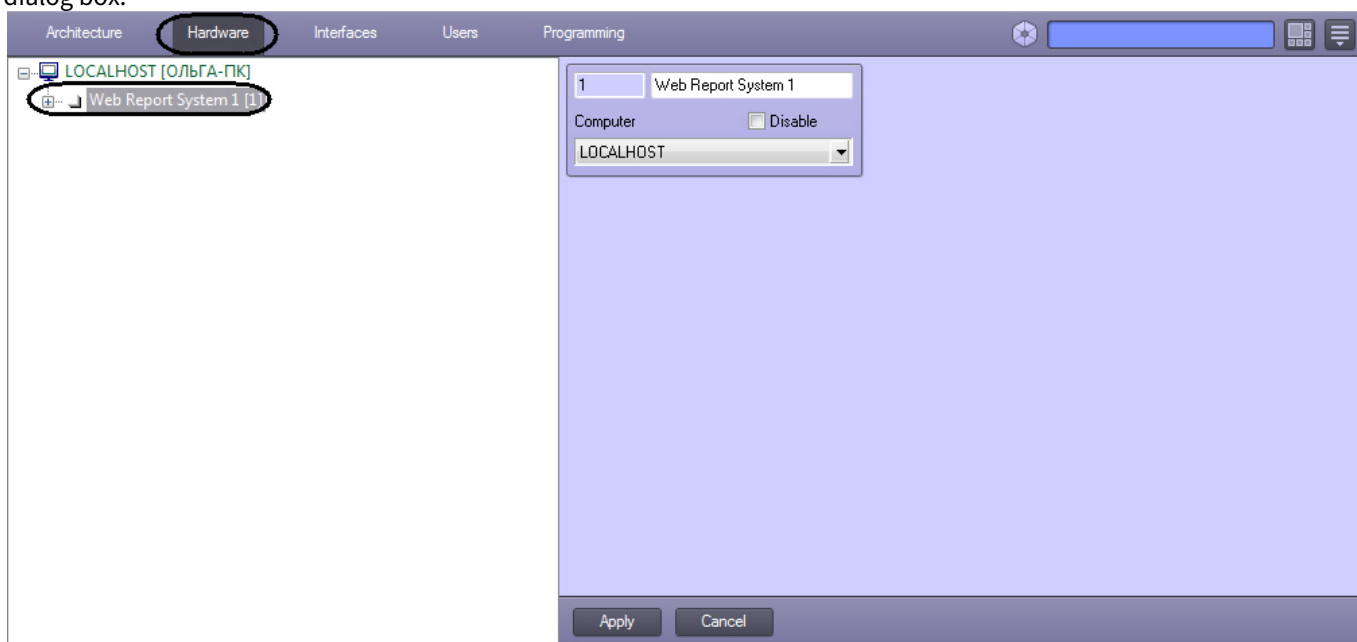
Rus

#### Attention!

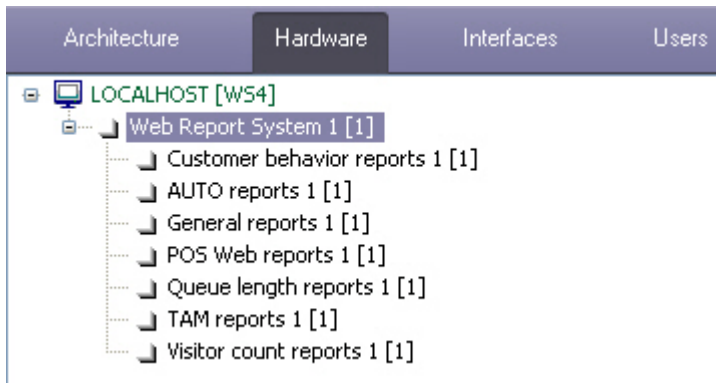
The activation of *Intellect Web Report System* functionality is possible only if there is the corresponding activation key.

To activate *Intellect Web Report System* functionality do the following:

1. Start *Intellect*.
2. Create the **Web report system** object on the basis of the **Computer** object on the **Hardware** tab of the **System settings** dialog box.



3. Create the objects (**Time and Attendance reports, POS reports, Queue-length detection, People counter detection, AUTO reports, General reports, Customer behavior reports**) on the basis of the **Web report system** object corresponding to the types of reports specified in the activation key.



Activation of *Intellect Web Report System* functionality is completed.



## 5 Intellect Web Report System startup and shutdown

### 5.1 Ways of starting

Rus

Starting of *Intellect Web Report System* is carried out in one of two ways:

1. If the Client coincides with the Web server – through the Start menu of Windows OS: Start -> All Programs -> Intellect -> Reports system;
2. On any Client – through the connection string of the browser: http://< Web server IP address>:8081/Reports.

As a result of one of these actions *Intellect Web Report System* authorization page is displayed.

The screenshot shows the authorization page of the Intellect Web Report System. At the top left, there is a folder icon and the text "Report System 2.6.8.846". The main area is a light gray background with a central login form. The form has two input fields: "Username" and "Password". Below the "Password" field is a checkbox labeled "Remember". At the bottom of the form is a dark button labeled "Enter!".

### 5.2 Authorization

Rus

#### Note

The authorization page is displayed in the language selected in the browser by default or specified in **Web.config** file (see details in [Change the Intellect Web Report System interface language](#)).

For *Intellect Web Report System* authorization do the following:

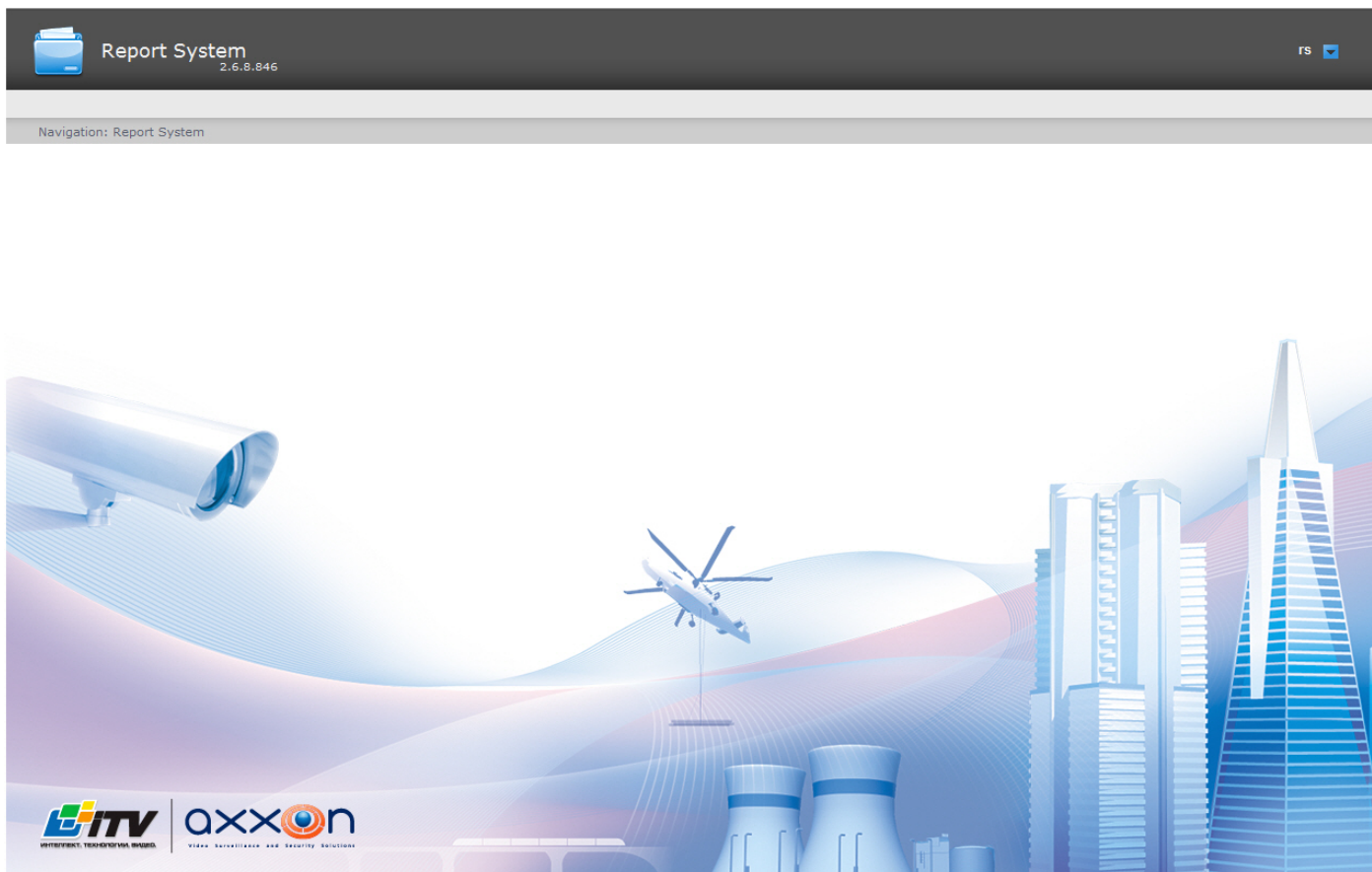
1. Start *Intellect Web Report System* in one of the available ways (see [Ways of starting](#)).
2. Type the username, password.

**Note**

Initial entry to *Intellect Web Report System* is under **rs** user who has administrative rights. In the **Username** and **Password** fields one should type **rs**. Further the administrator has to set the system for a multiuser mode (for more details see [Set up the roles and users](#) section).

3. Set the **Remember** checkbox if the automatic authorization in Report System (with parameters specified in the step 2) is required.
4. Click **Enter!**

As a result one goes on the *Intellect Web Report System* document page.

**Note**

The interface of the document page is described in [Intellect Web Report System interface](#) chapter.

## 5.3 Shutdown

Rus


To shutdown *Intellect Web Report System* close the window in the browser.

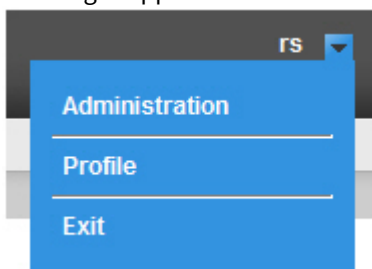
## 5.4 User switching

Rus

One can quickly switch between user accounts of the *Intellect Web Report System*.

For this do the following:

1. In the right upper corner of the Web interface hover cursor over the current username or over  icon.



2. In the context menu select the **Exit** item.
3. *Intellect Web Report System* authorization box is displayed. Type the username under which one should enter the system, password and click **Enter** (see the [Authorization](#) chapter).

User switching is completed.

## 6 Intellect Web Report System interface


*Intellect Web Report System* interface consists of the following elements:

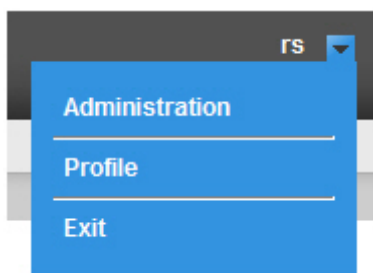
1. context menu;
2. page of documents;
3. administration page;
4. user profile page.

### 6.1 Context menu

Rus

*Intellect Web Report System* context menu is available both on the page of documents and on the administration page.

In order to display the context menu hover cursor over the current username in the right upper corner or over  icon.



The following operations are available from the context menu:

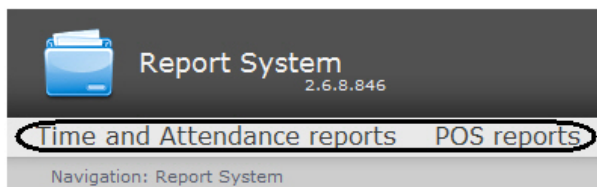
1. Switch to the administration page – the **Administration** item is used;
2. Switch to the user profile page – the **Profile** item is used;
3. Switch to the authorization page – the **Exit** item is used.

### 6.2 Documents page

Rus

Page of documents is displayed automatically after the authorization in *Intellect Web Report System*.

Besides the context menu the reports menu is also displayed on the page of documents.

**Note.**

If there are no operation rights for Time and Attendance reports and/or POS reports then the corresponding items of the reports menu (POS reports, Time and Attendance reports) are not displayed.

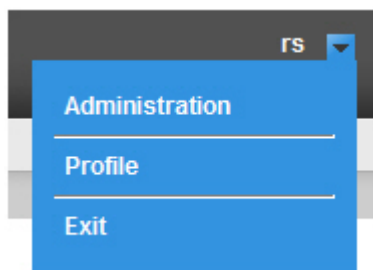
## 6.3 Administration page

Rus

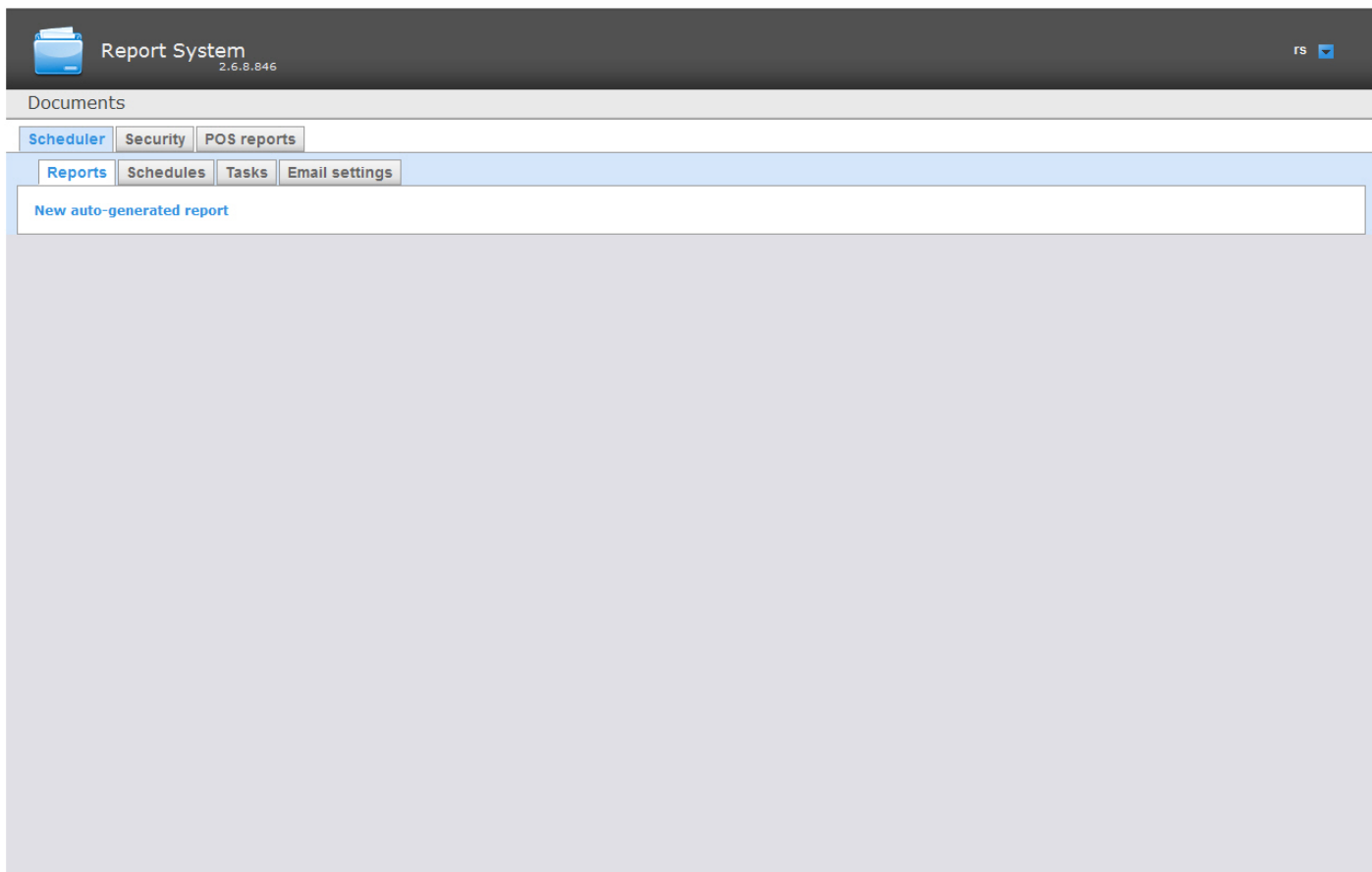
Switch to the *Intellect Web Report System* administration page is carried out through the context menu by selecting the **Administration** item.

**Note.**

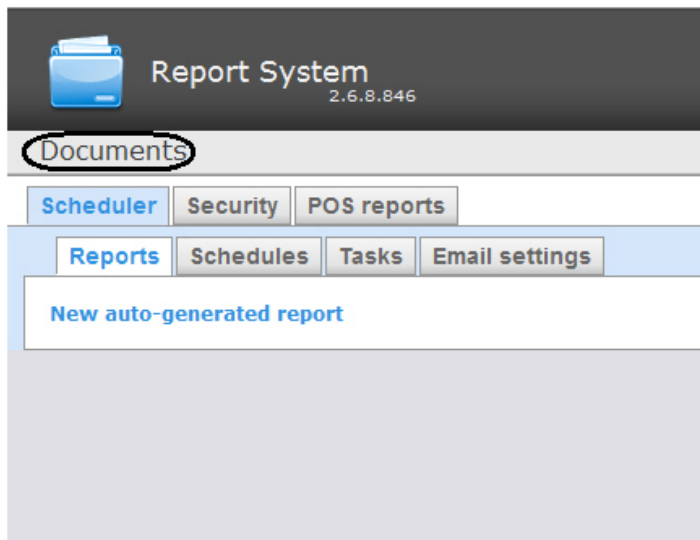
For some users this item can not be displayed (it depends on the availability of the administration rights).



The *Intellect Web Report System* administration page will display.



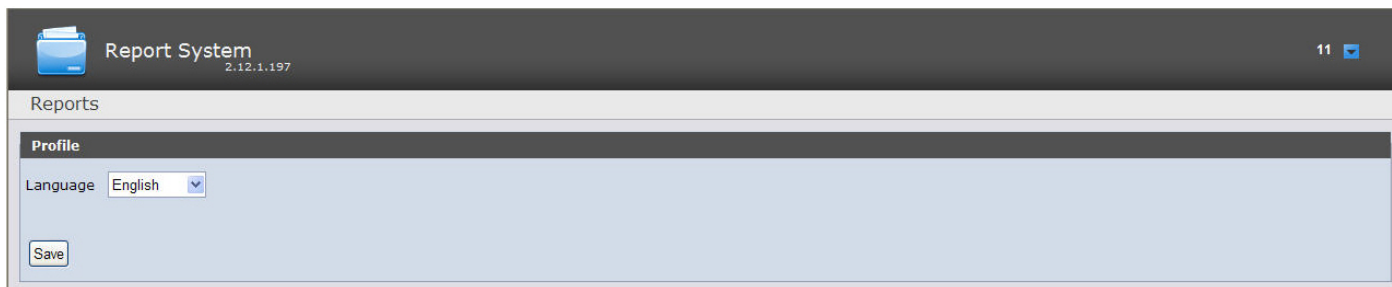
To return to the documents page click the **Documents** link.



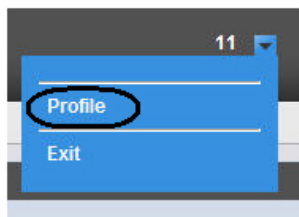
## 6.4 User profile page



Changing the interface language of *Intellect Web Report System* is performed in the user profile page.



Switch to the *Intellect Web Report System* user profile page is carried out through the context menu by selecting the **Profile** item.



## 6.5 Change the Intellect Web Report System interface language

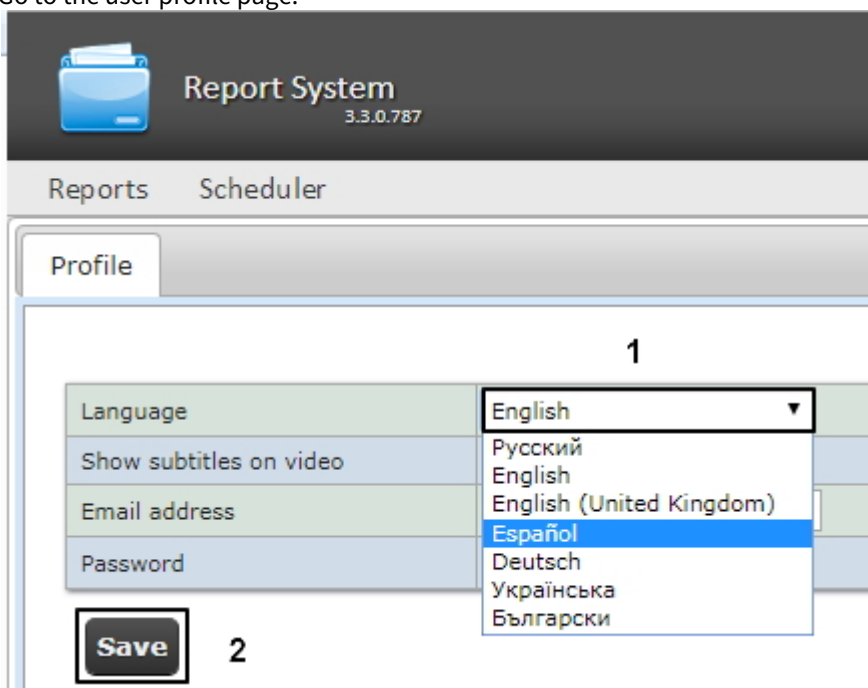
Rus

**Important!**

When changing the language of *Intellect Web Report System* interface, the language of interface of the authorized user is changed too. The authorization page (see [Authorization](#)) is displayed in the language selected in the browser by default. The language of the authorization page can also be changed in **Web.config** file located in <Intellect installation folder>\Modules\Wt2. For this specify the required value of available languages (en, en-GB, es, de, ru, uk, bg, pl) instead of "auto" value in the <globalization culture="auto" uiCulture="auto"/> line.

To change the interface language, do the following:

1. Go to the user profile page.



2. In the **Language** dropdown list select the required interface language (1).

3. Click **Save** (2).

Changing the interface language is completed.

**Note**

The selected interface language affects regional standards, specifically, in date and time formats which are used for report generation.

The table below lists the date and time formats for all languages available in the subsystem.

Local	Data format	Time format
Русский	dd.mm.yyyy	24-hour
English	mm/dd/yyyy	12-hour
English (United Kingdom)	mm/dd/yyyy	24-hour
Español	dd/mm/yyyy	24-hour
Deutsch	dd.mm.yyyy	24-hour
Українська	dd.mm.yyyy	24-hour
Български	dd.mm.yyyy	24-hour



## 7 Intellect Web Report System administration

### 7.1 Set up the roles and users

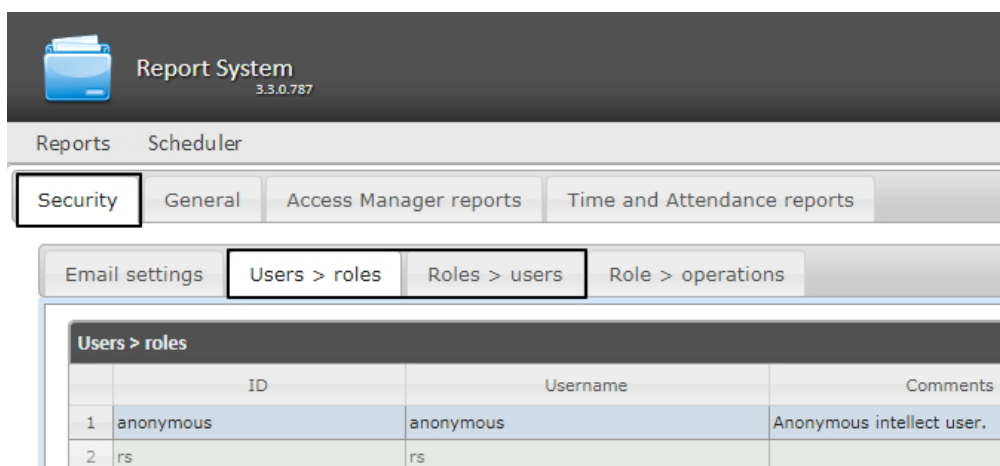
Rus

Setting up the roles and users is carried out in the **Security** tab on the administration page.

#### 7.1.1 Adding new users

Rus

The list of users of the *Intellect Web Report System* is available on the **Users > Roles** and **Roles > Users** of the **Security** tab.



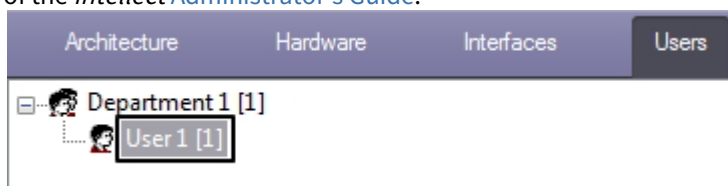
By default the *Intellect Web Report System* contains two users, **rs** and **anonymous**, none of which can be deleted.

The **rs** user in *Intellect Web Report System* performs the administrator functions, while **anonymous** is a dummy operator account.

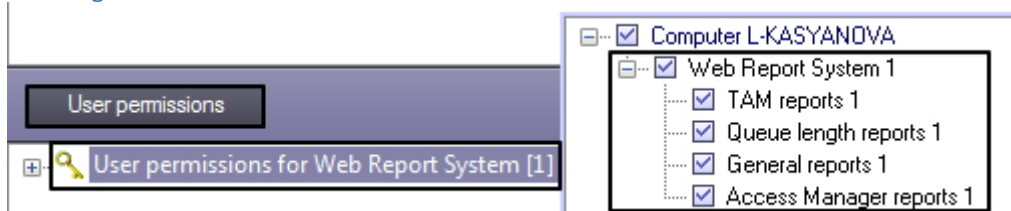
New users can be added to *Intellect Web Report System* by means of *Intellect* system settings only.

Adding a new user to *Intellect Web Report System* includes three basic steps:

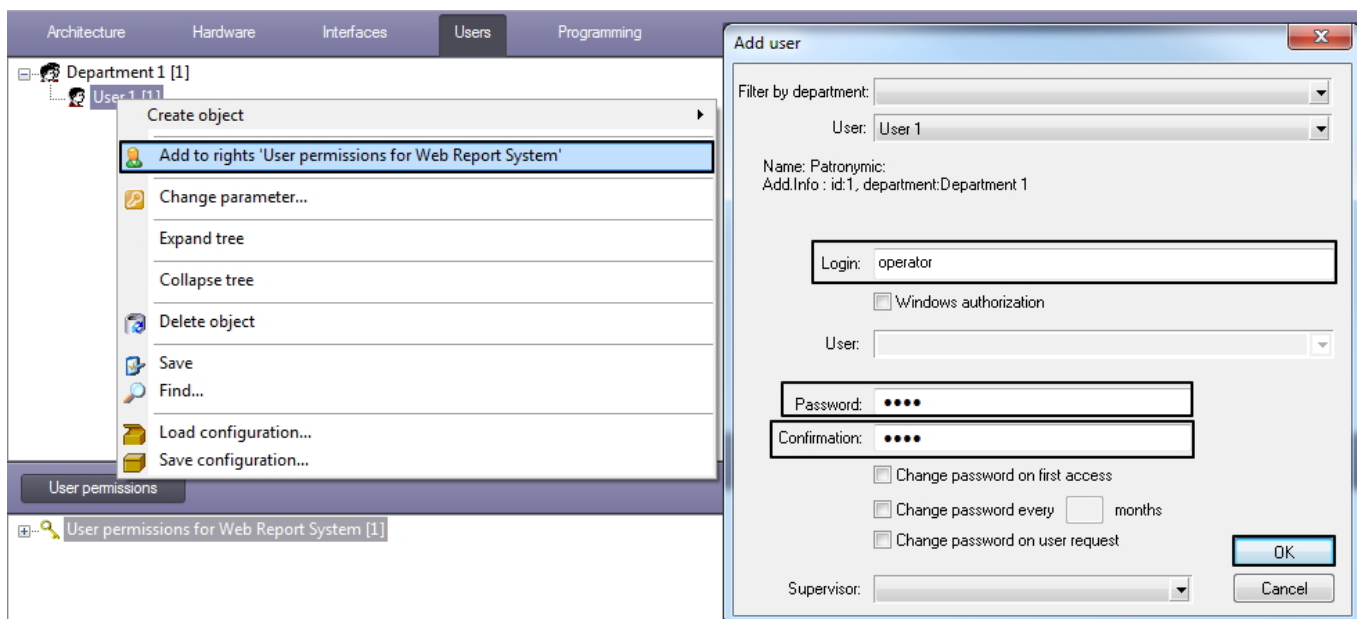
1. Registration of a new user in *Intellect*. This procedure is described in detail in the [User registration and removal](#) section of the *Intellect Administrator's Guide*.



2. Registration of the right to use *Intellect Web Report System*. This procedure is described in detail in the [Registration of users' rights](#) section of the *Intellect Administrator's Guide*.



3. Assigning the right to use *Intellect Web Report System* to the new user. This procedure is described in detail in the [Assigning the rights and password to operators for authorization in the Intellect](#) section of the *Intellect Administrator's Guide*.

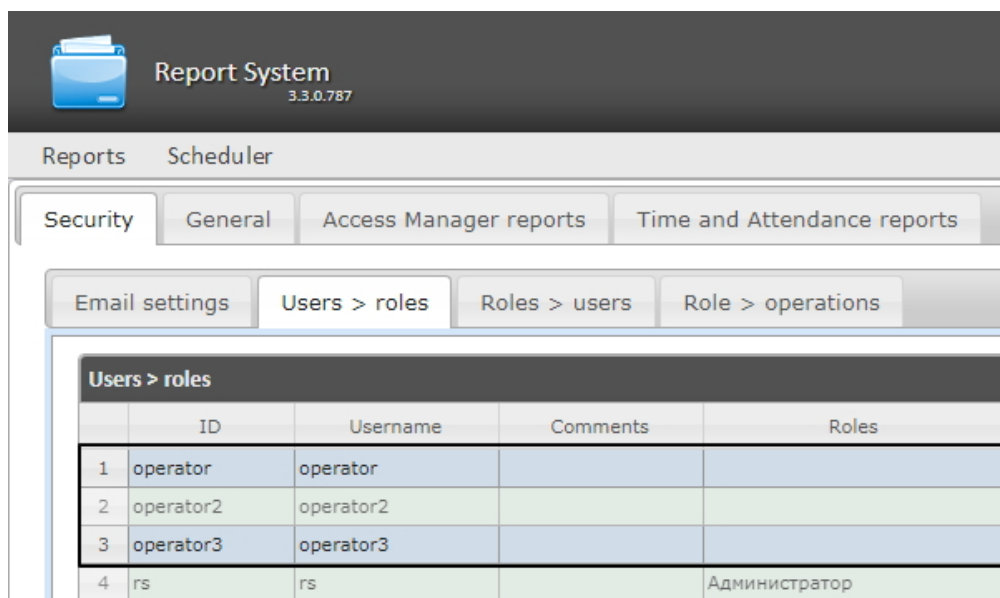


**Note**

It is recommended to take into account the following specifics while adding a new *Intellect Web Report System* user by means of *Intellect*:

- a. The **anonymous** user is a dummy operator account. Once the first operator will be created with *Intellect*, the dummy will be replaced with the account data of the first added user.
- b. The user login in *Intellect Web Report System* is similar to the login assigned to the user when he is granted the right in *Intellect*.
- c. The username and login are subject to the same rules as the Windows login.

Any required number of users may be added to *Intellect Web Report System* in this manner.



### 7.1.2 Set up the roles

Rus

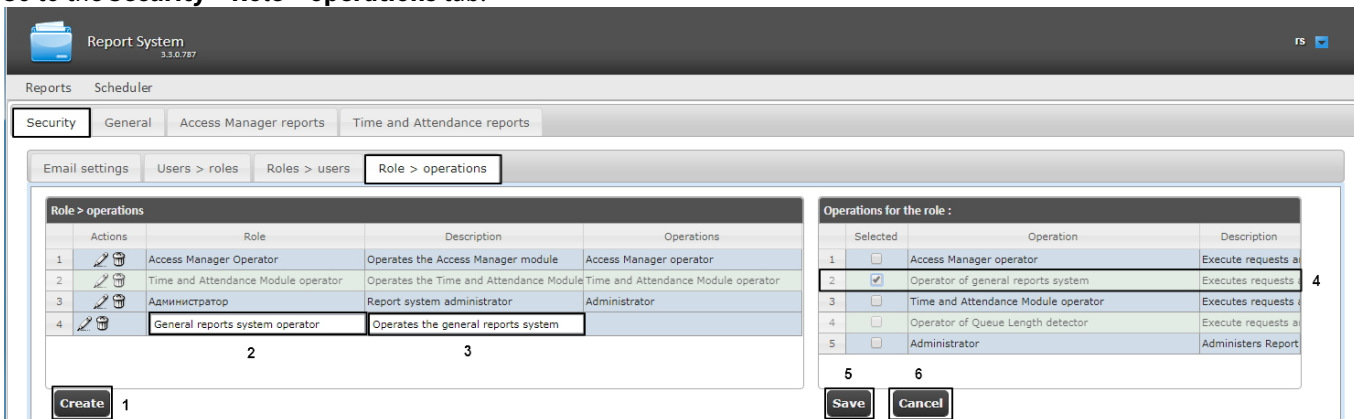
Setting up the roles is carried out in the **Roles > operations** nested tab of the **Security** tab.

### 7.1.2.1 Role registration

Rus

In order to register a new role in *Intellect Web Report System* do the following:

1. Go to the **Security > Role > operations** tab.



2. Click **Create** (1).
3. As a result a new line will be added to the **Role > operations** table. Fill in its fields:
  - a. In the **Description** field type a brief description of the operations that will be available to the users with a new role (3).

**Note.**  
This field is optional for filling in.

- b. In the **Role** field type the name of a new role (2).
4. In the **Operations for the role** table (4) in the **Selected** column set checkboxes for those operations that should be solved by users with a new role.

**Note.**  
It is recommended to study the description of operations beforehand in the **Description** column of the same table.

5. In order to register a role click **Save** (5).

**Note.**  
In order to cancel the registration of a new role click **Cancel** (6).

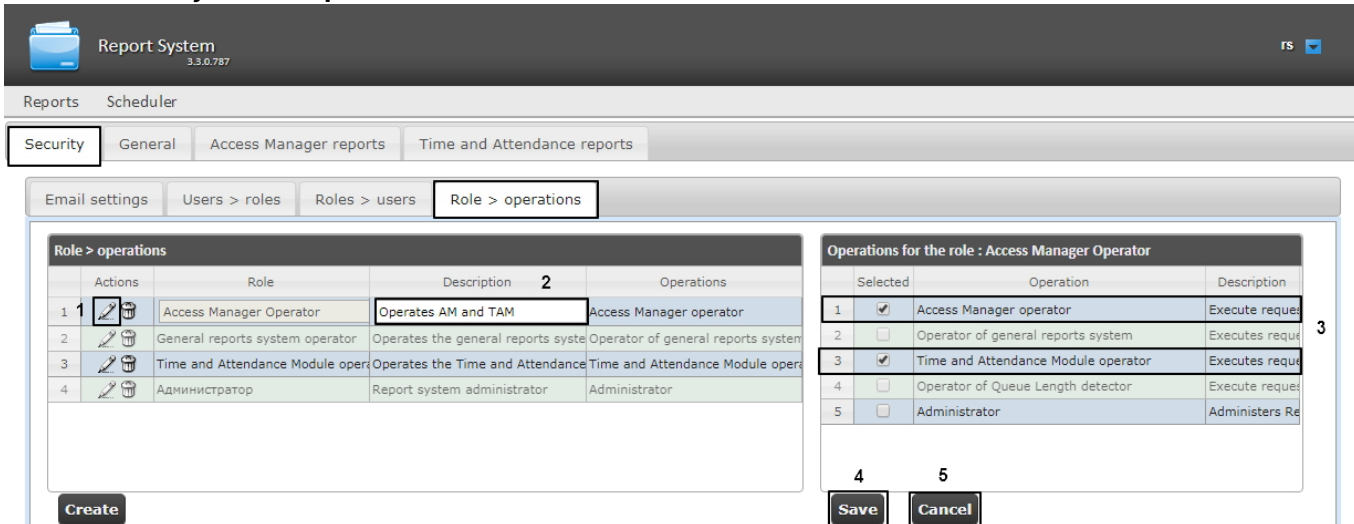
Role registration in *Intellect Web Report System* is completed.


### 7.1.2.2 Role editing

Rus

In order to edit a role do the following:

1. Go to the **Security > Role > operations** tab.



2. For the required role click  button in the **Actions** column of the **Role > operations** table (1).
3. As a result you will be able to edit some role parameters. For example:
4. In the **Description** field one can edit a brief description of operations that will be available for users with this role (2).
5. In the **Operations for the role** table (3) in the **Selected** column one can edit the list of operations that should be solved by users with this role by setting or deselecting the corresponding checkboxes. In order to save the changes in role parameters click **Save** (4).

**Note.**

In order to cancel the changes in the role click **Cancel** (5).

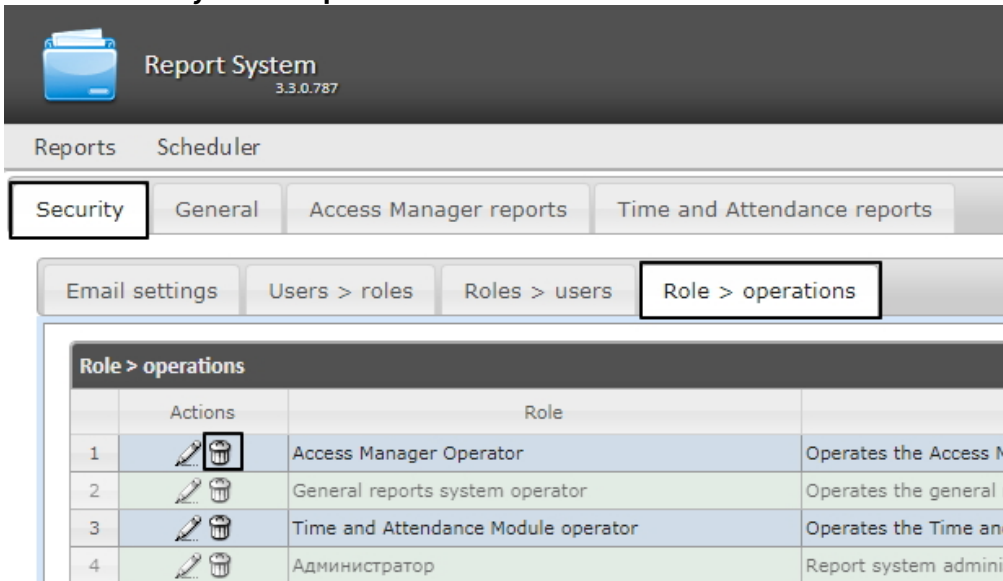
Role editing is completed.


### 7.1.2.3 Role removal

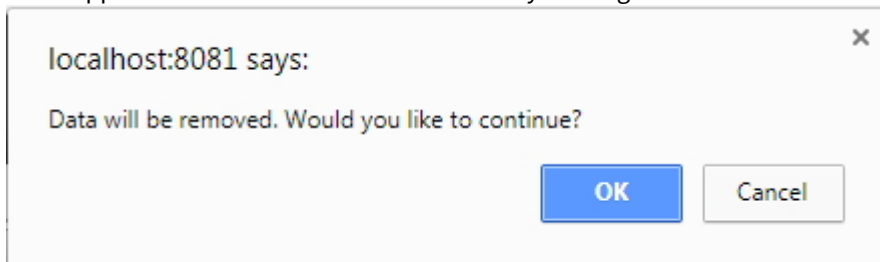
Rus

In order to remove the role, do the following:

1. Go to the **Security > Role > operations** tab.



2. For the required role click the  button in the **Actions** column of the **Role > operations** table.
3. In the appeared box confirm the role removal by clicking **OK**.



Role removal is completed.

### 7.1.3 Configure roles and users compliance

Rus

Roles and users compliance is configured on the **Security** tab of the administration page. It can be carried out in two ways:

1. If the roles are assigned to a user, then the **Users > roles** tab is used.
2. If the users are added to a role, then the **Roles > Users** tab is used.

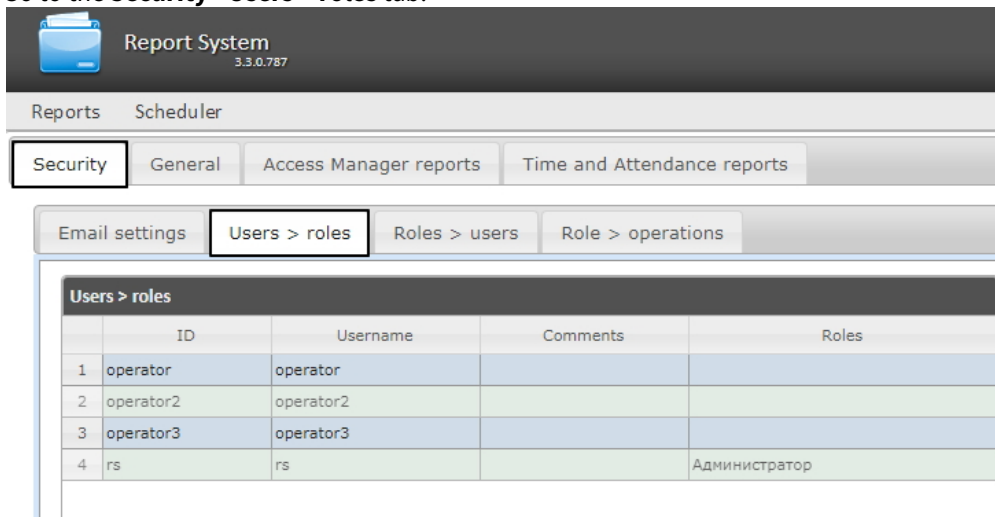
The choice of method is due to the convenience of administration.

#### 7.1.3.1 Assigning the roles to the user

Rus

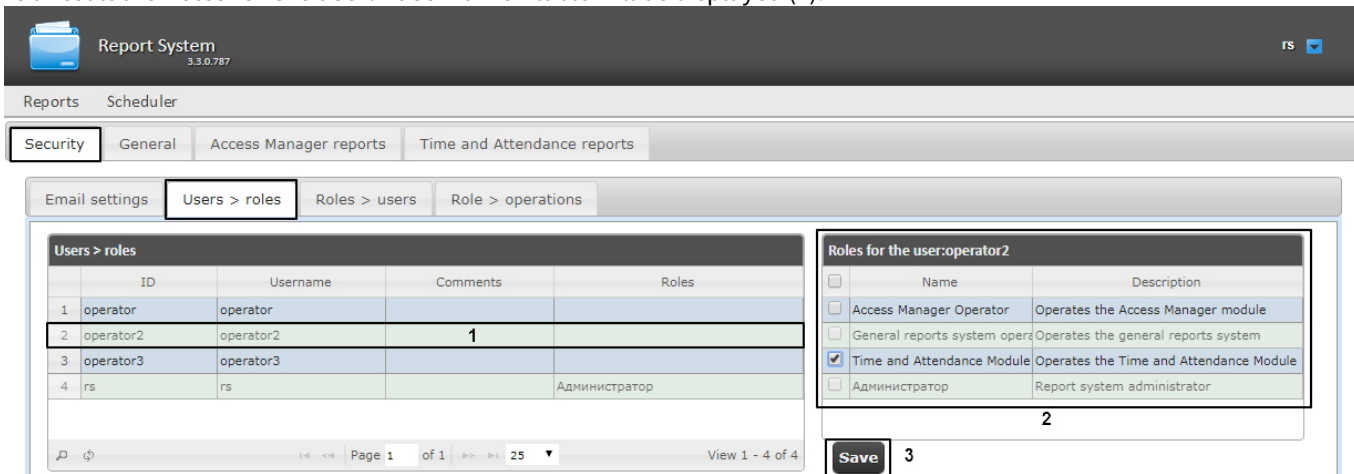
In order to assign the roles to the user do the following:

1. Go to the **Security >Users > roles** tab.



2. Left-click the required user (1).

3. As a result the **Roles for the user: <username>** table will be displayed (2).



4. Check or uncheck the required roles in the list to assign them to the selected user.

**Note.**

To assign all possible roles to the user set the checkbox in the table head at the **Name** field.

Roles for the user:operator2		
<input checked="" type="checkbox"/>	Name	Description
<input checked="" type="checkbox"/>	Access Manager Operator	Operates the Access Manager module
<input checked="" type="checkbox"/>	General reports system operator	Operates the general reports system
<input checked="" type="checkbox"/>	Time and Attendance Module	Operates the Time and Attendance Module
<input checked="" type="checkbox"/>	Администратор	Report system administrator

5. Click **Save** to save the changes (3).

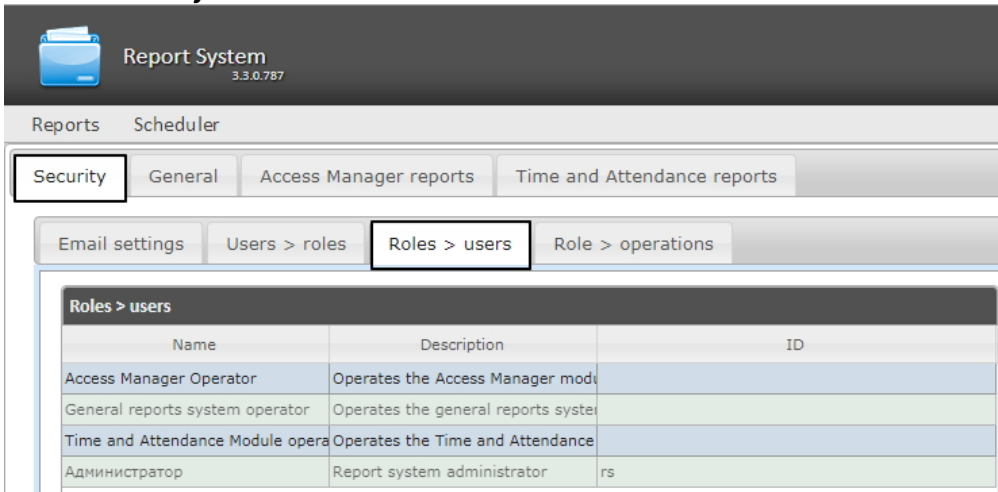
Assigning the roles to the user is completed.

### 7.1.3.2 Adding the users to the role

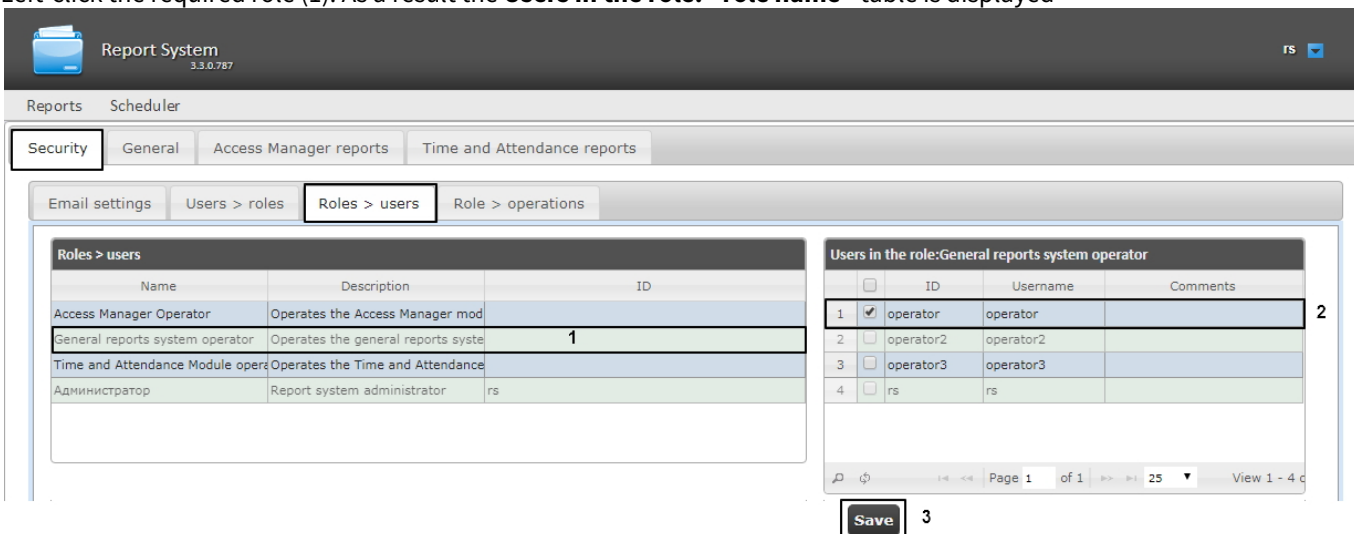
Rus

In order to add the users to the role do the following:

1. Go to the **Security > Roles > users** tab.



2. Left-click the required role (1). As a result the **Users in the role: <role name>** table is displayed



3. Change the list of users added to the role by setting or deselecting the corresponding checkboxes (2).

**Note.**

To add all possible users to the role set the checkbox in the table head at the ID field.

	<input checked="" type="checkbox"/>	ID	Username	Comments
1	<input checked="" type="checkbox"/>	operator	operator	
2	<input checked="" type="checkbox"/>	operator2	operator2	
3	<input checked="" type="checkbox"/>	operator3	operator3	
4	<input checked="" type="checkbox"/>	rs	rs	

4. Click **Save** (3).

Adding the users to the role is completed.

### 7.1.4 Change the administrator password

Rus

The password can be changed in the **Profile** page only for the **rs** user, which is the overall administrator of the subsystem. Password changing for other users is performed only on the **Users** tab of the *Intellect* software.

To change the password for **rs** user login to the *Intellect Web Report System* subsystem, do the following:

1. Go to **rs** user profile page.

The screenshot shows the 'Report System' interface with the 'Profile' tab selected. The 'Password' field is highlighted, and a 'Change' button with the number '1' next to it is visible. Other fields include Language (English), Show subtitles on video (checkbox), and Email address.

2. In the **Password** field click the **Change** button (1).
3. In the **Current password** field enter the current password for login to the *Intellect Web Report System* (1).

This screenshot shows the password change form. The 'Password' field is expanded to show three sub-fields: 'Current password' (with a '1' next to it), 'New password' (with a '2' next to it), and 'Confirm password' (with a '3' next to it). A 'Change' button with a '4' next to it is at the bottom of the form. A 'Save' button with a '5' next to it is located below the form.

4. In the **New password** field enter the new password for login to the *Intellect Web Report System* (2).
5. In the **Confirm password** field enter again the new password (3).

**Attention!**

The new password should contain at least 6 symbols.



6. Click the **Change** button (4).
7. Click the **Save** button to save changes (5).

Changing the password for **rs** user is completed.

## 7.1.5 Setting up the user email

Rus

Setting up the user email allows speeding up setting of the automatically executed tasks (see [Setting up the automatically executed tasks](#)), as the specified user email address will be used by default in the **Emails** field when creating a task (see [Creating the task](#)).

Set up the user email address in the *Intellect Web Report System* as follows:

1. Go to the user profile page.
2. Enter the email address of the current user in the **Email address** field.
3. Click **Save** to save the changes.

Report System 3.3.0.707	
Reports Scheduler	
Profile POS reports	
Language	English
Show titles on video	<input type="checkbox"/>
Email address	I.kasyanova@itv.ru
Password	Change
Save	

User email setup is complete.

## 7.2 Setting up Intellect Web Report System operation in the automatic mode

### 7.2.1 Intellect Web Report System setting up procedure in the automatic mode

Rus

Setting up the *Intellect Web Report System* operation in the automatic mode is carried out in the **Scheduler** tab on the administration page.

The following succession is recommended while setting up:

1. On the **Security > Email settings** tab setup the SMTP Server used for sending the auto-generated reports.

**Note.**

This step can be missed if there is no need to send the reports by e-mail in the automatic mode.

2. On the **Reports** tab create the list of auto-generated reports.

3. On the **Schedules** tab setup the schedule of *Intellect Web Report System* operation in the automatic mode.
4. On the **Tasks** tab create the tasks for auto-generating the reports. Start their execution.

## 7.2.2 SMTP Server setup

Rus

Setting up the SMTP server for sending the autogenerated reports via email is performed in the **Administration > Security** section.

In order to set up the SMTP server, do the following:

1. Go to the **Administration > Security > Email settings** tab.

2. In the **Email address** field (1) type the e-mail address from which the auto-generated reports will be sent.
3. In the **SMTP Server** field (2) enter the name of SMTP Server.
4. In the **Username** field (3) enter the name of account used for sending the messages to SMTP Server.
5. Specify the password of the account used for sending the messages to SMTP Server. For this click the **Enter password** link. In the box enter the password.

6. In the **SMTP Server port** field (4) enter the port number used by SMTP Server.
7. If the SSL coding is required to connect the SMTP Server then set the **Enable SSL coding** checkbox (5).
8. Click **Save** (6).

SMTP Server setup for autogenerated reports sending via email is completed.

## 7.2.3 Auto-generated reports setup

Rus

One can assign and setup the reports that will be auto-generated on the schedule.

**Note.**

Schedule setup is given in details in [Setting up the schedule of operation in the automatic mode](#). The connection between the report and the schedule element is setup at the final stage when the task is created (see the [Setting up the automatically executed tasks](#) chapter).

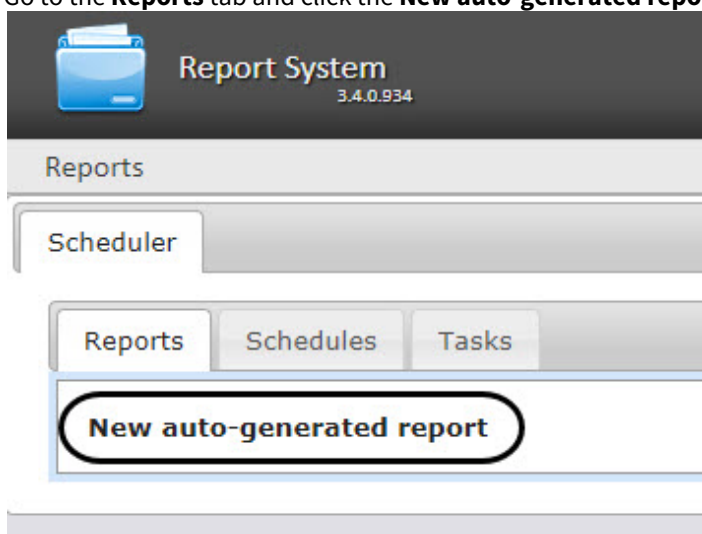
Auto-generated scheduled reports may be created by the administrator of the system (the **rs** user), as well as by ordinary users, given that they have the roles with the required operations.

### 7.2.3.1 Creating the report

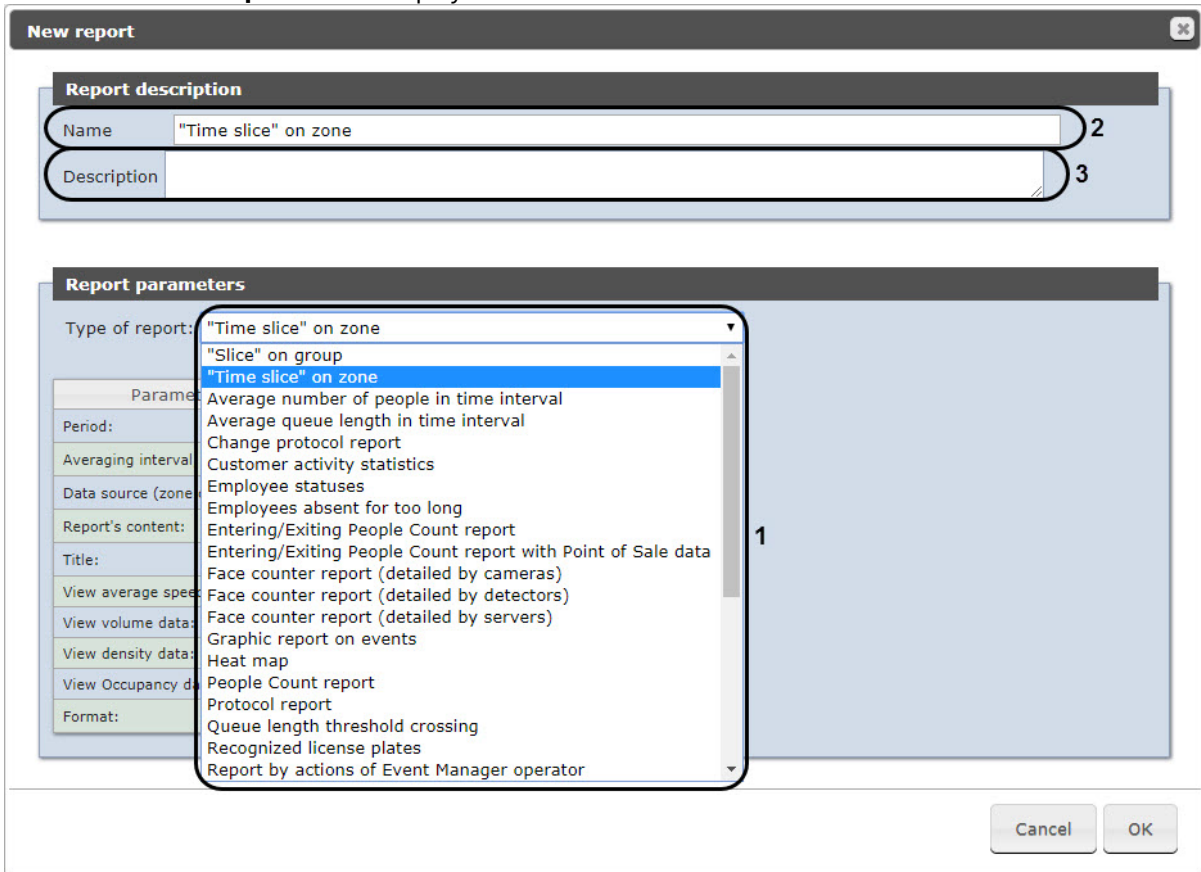
Rus

Make an auto-generated report as follows:

1. Go to the **Reports** tab and click the **New auto-generated report** link.



2. As a result the **New report** form is displayed.



3. In the **Report parameters** group select the required type of report from the **Type of report** list (1).
4. In the **Name** field (2) of the **Report description** group the prior report name is displayed automatically. It can be edited if necessary.
5. In the **Description** field (3) of the **Report description** group specify the description of the report contents.

**Note**  
This field is optional.

6. Set the report parameters in the **Report parameters** group.

### Report parameters

Type of report: "Time slice" on zone ▼

Parameter	Value
Period:	Previous day ▼
Averaging interval, min:	60
Data source (zone or detector):	▼
Report's content:	Chart+Table ▼
Title:	"Time slice" on zone
View average speed data:	<input checked="" type="checkbox"/>
View volume data:	<input checked="" type="checkbox"/>
View density data:	<input checked="" type="checkbox"/>
View Occupancy data:	<input checked="" type="checkbox"/>
Format:	Pdf ▼

**Note**

The list of parameters is individual for every type of report and the same as the list of parameters of the corresponding report when working with reports (see [Working with Intellect Web Report System](#)) with one exception: the **Format** parameter is available - in its dropdown list it is possible to select the required format of saving the report.

**New report**
✕

**Report description**

Name

Description

**Report parameters**

Type of report:

Parameter	Value
Period:	<input type="text" value="Previous day"/>
Averaging interval, min:	<input type="text" value="60"/>
Data source (zone or detector):	<input type="text"/>
Report's content:	<input type="text" value="Chart+Table"/>
Title:	<input on="" type="text" value="Time slice" zone"=""/>
View average speed data:	<input checked="" type="checkbox"/>
View volume data:	<input checked="" type="checkbox"/>
View density data:	<input checked="" type="checkbox"/>
View Occupancy data:	<input checked="" type="checkbox"/>
Format:	<input type="text" value="Pdf"/> <ul style="list-style-type: none"> <li>Pdf</li> <li>Csv</li> <li>Excel 97-2003</li> </ul>

**5**
**4**

**Note**

The contents of the **Format** dropdown list depends on the type of the selected report (see item 3). The following formats are supported:

- PDF:
- Csv:
- Excel 97-2003:
- Excel 2007.

7. In order to save the description and new report parameters click **OK (4)**.

**Note.**

In order to cancel making the report click **Cancel (5)**.

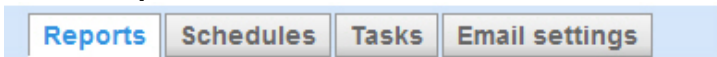
Making the auto-generated report is completed.

### 7.2.3.2 Editing the report

Rus

In order to edit the auto-generated report do the following:

1. Go to the **Reports** tab.



**New auto-generated report**

Name	Description	Type of report	Edit
Latecomers report		Detailed general report	
Hours-worked report		Detailed general report	

2. Click for the required report in the **Edit** column.
3. As a result the **Edit report** form is displayed. In this form one should edit the description and report parameters by analogy with the **New report** form (see [Creating the report](#) section).

**Edit report**
✕

**Report description**

Name

Description

**Report parameters**

Type of report:

Parameter	Value
Area:	<input type="text" value="Region 1"/>
Period:	<input type="text" value="Selected date and time"/> <input type="text" value="8/17/2011"/> <input type="text" value="10:44 AM"/>

4. In order to save the report changes click **OK**.

**Note.**  
In order to cancel the report changes click **Cancel**.

In order to change the language of the auto-generated report select the corresponding language in the profile page of the *rs* user (see [User profile page](#) section).

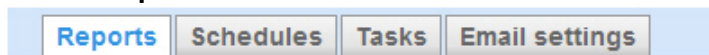
Editing the auto-generated report is completed.

### 7.2.3.3 Deleting the report





Rus


In order to delete the auto-generated report do the following:

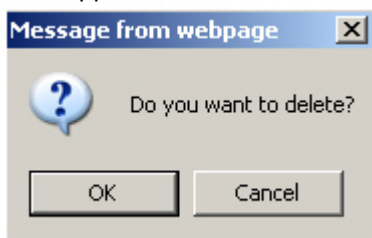
1. Go to the **Reports** tab.



#### New auto-generated report

Name	Description	Type of report	Edit
Latecomers report		Detailed general report	 
Hours-worked report		Detailed general report	 

2. Click  for the required report in the **Edit** column.
3. In the appeared window confirm the report deleting by clicking **OK**.



Deleting the auto-generated report is completed.

## 7.2.4 Setting up the schedule of operation in the automatic mode

Rus

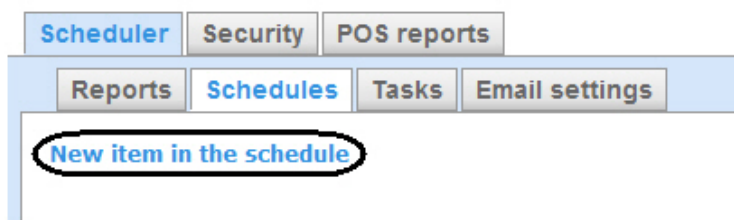
Setting up the schedule of *Intellect Web Report System* operation in the automatic mode is performed by creating the schedule items. Later on any of created items in the schedule can be used while creating the task that should be executed in the automatic mode (see [Setting up the automatically executed tasks](#) section).

### 7.2.4.1 Creating the schedule item

Rus

In order to create the schedule item do the following:

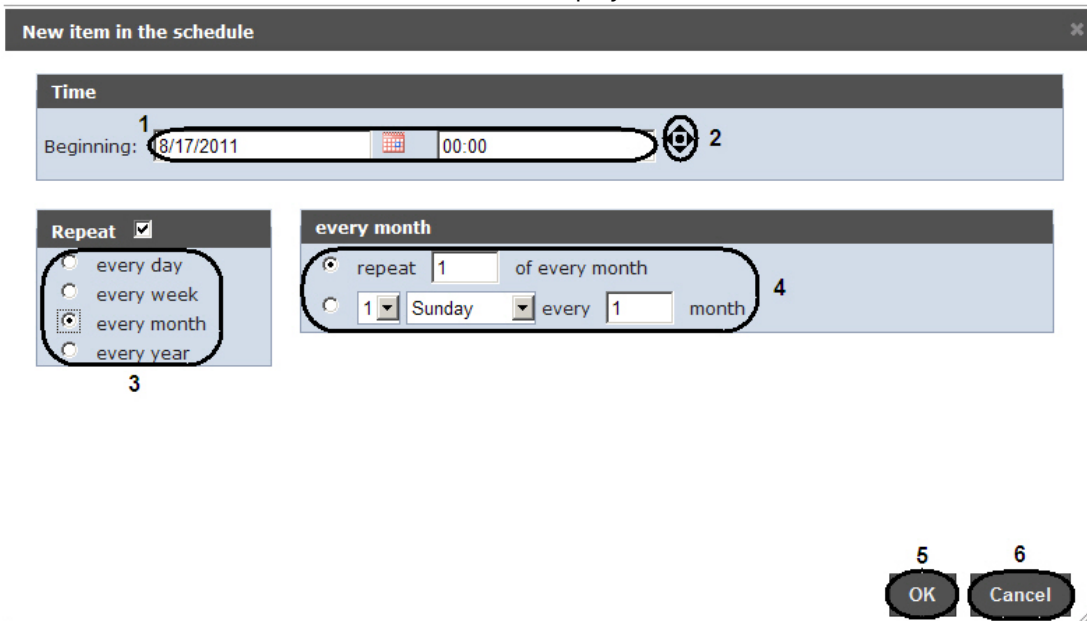
1. Go to the **Schedules** tab.



2. Click the **New item in the schedule** link.



3. As a result the **New item in the schedule** form is displayed.



4. In the **Time** group (1) enter the instant approaching which the required reports will be generated automatically.

**Note.**  
The selection of required reports will be performed when the tasks are created (see [Setting up the automatically executed tasks](#) section).

**Note.**  
In order to set current time it is convenient to use  button (2).

- 5. If the reports should be generated regularly since the specified instant then in the **Repeat** group set the checkbox in the boxes of required generation period (3).
- 6. As a result the tweaking form of strategy for repeating is displayed (4). The procedure of filling it in is clear.
- 7. In order to save the schedule item click **OK** (5).

**Note.**  
In order to cancel creating of the schedule item click **Cancel** (6).

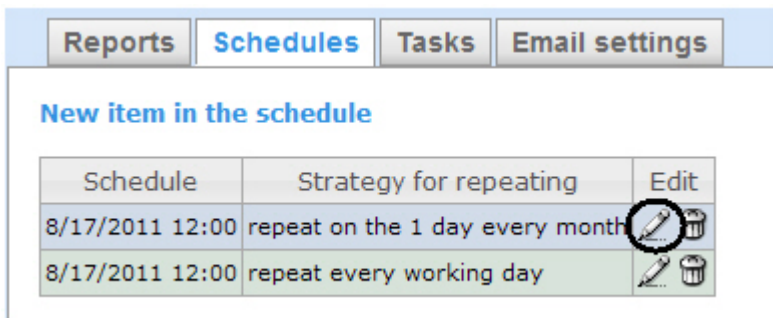
Creating the schedule item is completed.

### 7.2.4.2 Editing the schedule item

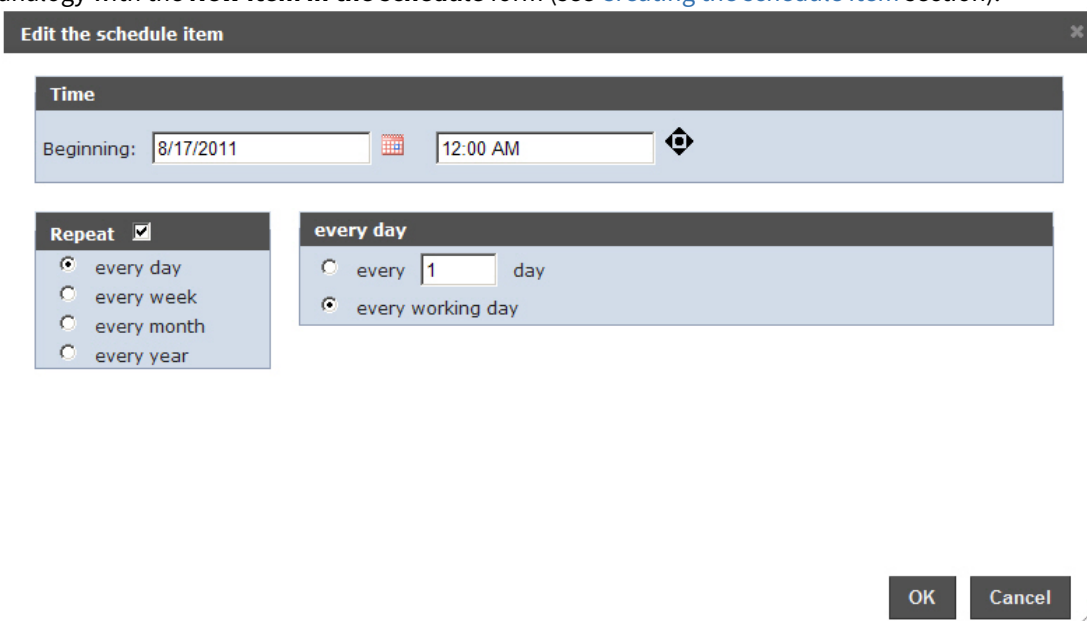
Rus

In order to edit the auto-generated report do the following:

1. Go to the **Schedules** tab.



2. Click for the required schedule item in the **Edit** column.
3. As a result the **Edit the schedule item** form is displayed. In this form one should edit the schedule item parameters by analogy with the **New item in the schedule** form (see [Creating the schedule item](#) section).



4. In order to save the changes in the schedule item click **OK**.

**Note.**  
In order to cancel the changes in the schedule item click **Cancel**.

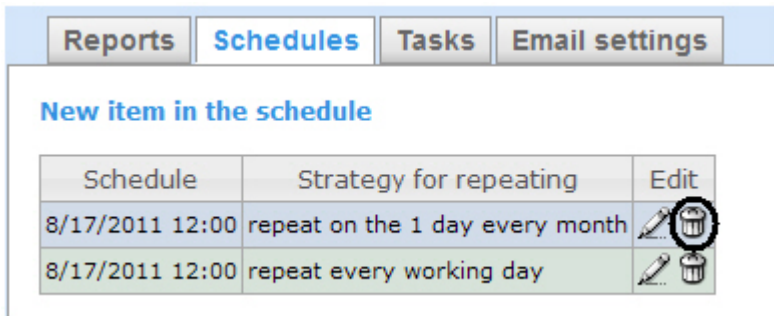
Editing the schedule item is completed.


### 7.2.4.3 Deleting the schedule item

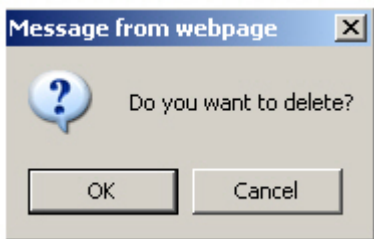
Rus

In order to delete the schedule item do the following:

1. Go to the **Schedules** tab.



2. Click  for the required schedule item in the **Edit** column.
3. In the appeared window confirm the schedule item deleting by clicking **OK**.



Deleting the schedule item is completed.

## 7.2.5 Setting up the automatically executed tasks

Rus

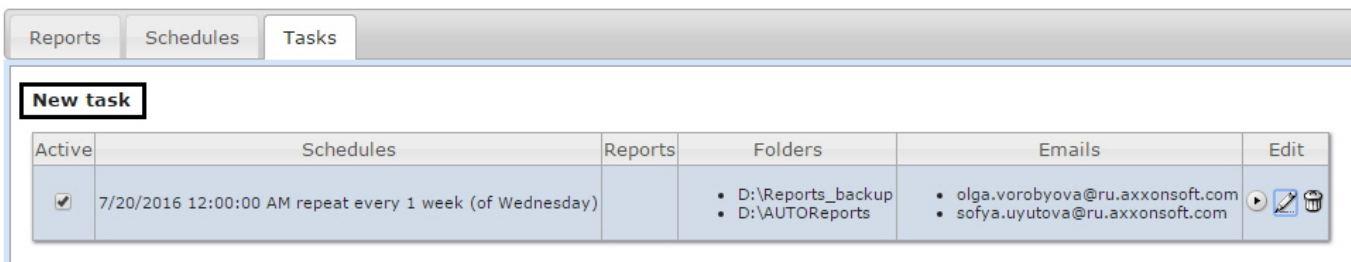
If the required reports should be auto-generated according to the specified schedule then it is necessary to create, set up and run a task.

### 7.2.5.1 Creating the task

Rus

In order to create the auto-executed task do the following:

1. Go to the **Tasks** tab.

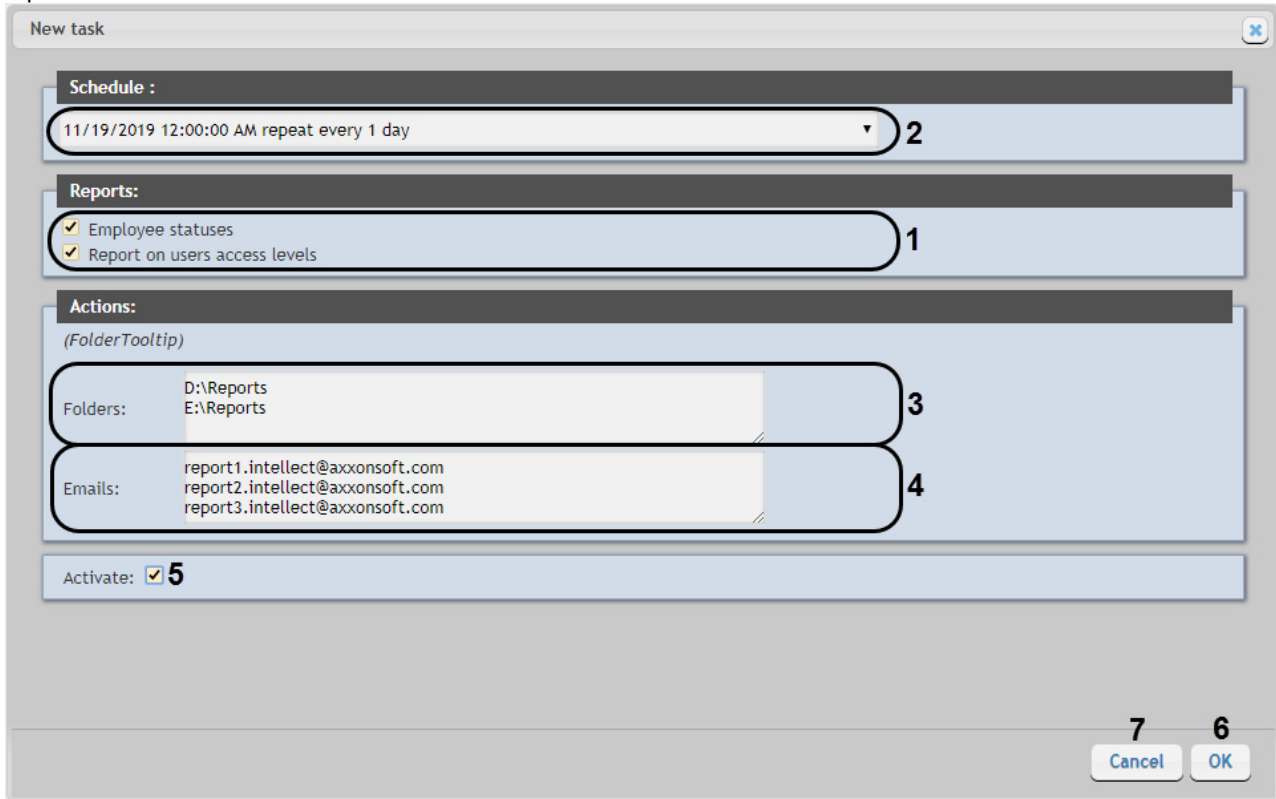


2. Click the **New task** link.
3. As a result the **New task** form is displayed.
4. In the **Reports** group (1) select the reports that should be auto-generated by setting the checkboxes.
5. From the **Schedule** list (2) select the schedule according to which the selected reports should be generated.
6. In the **Actions** group, set up at least one action with the reports:
  - a. In the **Folders** field (3) enter the path for the folders where the generated reports should be stored. Use Enter key as a separator, i.e. there is a certain line for every folder.

**Attention!**

If a network folder is selected, then it is necessary to launch the CassiniService utility on behalf of a user who has access to this network folder, because by default, this utility is launched on behalf of a system user who does not have access to network folders.

- b. In the **Emails** field (4) enter the email addresses to which the generated reports should be sent. Use ";" sign as a separator.



**Note.**

Generated reports that are sent to emails are PDF and XLS files.

7. In order to run the task execution right after its creation set the **Activate** checkbox (5).

**Note.**

Later one can run the task execution at any moment (see the [Running and stopping the task execution](#) section).

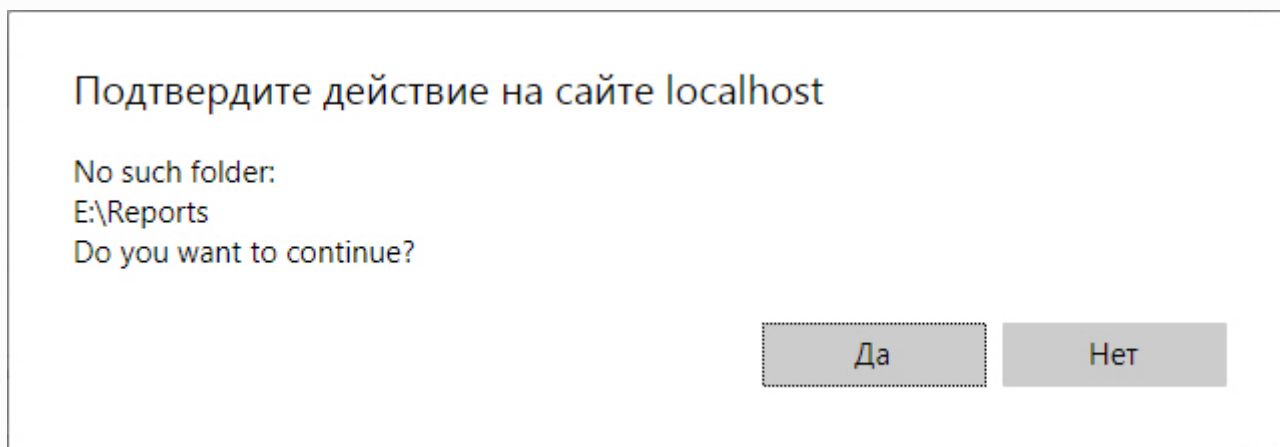
8. In order to save the task parameters click **OK** (6).

**Note.**

In order to cancel the task creation click Cancel (7).

**Note.**

If there are no folders that are set at 6.a step then the following message is displayed when the task parameters are saved. In order to auto create folders click OK.



Creating the automatically executed task is completed.

### 7.2.5.2 Checking the task execution





Rus


One can check the task execution at any time without taking into account the selected schedule. For this do the following:

1. Go to the **Tasks** tab.



#### New task

Active	Schedules	Reports	Folders	Emails	Edit
<input checked="" type="checkbox"/>	8/17/2011 12:00:00 AM repeat on the 1 day every month	■ Latecomers report	■ D:\Reports	■ mail@mailserver.com	  
<input type="checkbox"/>	8/17/2011 12:00:00 AM repeat on the 1 day every month	■ Latecomers report	■ D:/reports share	■ mail@axxonsoft.com	  

2. For the required task click  in the **Edit** column.
3. Reports specified in the task will be generated and saved in the folders and/or sent to the e-mail addresses. If it is not happening one should check whether the actions with reports are set up correctly (see [Creating the task](#) section).

Checking the task execution is completed.

### 7.2.5.3 Running and stopping the task execution

Rus

One can run and stop the task execution without editing them. For this do the following:

1. Go to the **Tasks** tab.



**New task**

Active	Schedules	Reports	Folders	Emails	Edit
<input checked="" type="checkbox"/>	8/17/2011 12:00:00 AM repeat on the 1 day every month	Latecomers report	D:\Reports	mail@mailserver.com	
<input type="checkbox"/>	8/17/2011 12:00:00 AM repeat on the 1 day every month	Latecomers report	D:/reports share	mail@axxonsoft.com	

2. In the **Active** column set the checkboxes checked for the tasks that should be run and unchecked for the tasks that should be stopped.

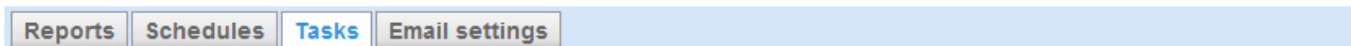
Running or/and stopping the task execution are completed.

### 7.2.5.4 Editing the task



In order to edit the auto-executed task do the following:

1. Go to the **Tasks** tab.



**New task**

Active	Schedules	Reports	Folders	Emails	Edit
<input checked="" type="checkbox"/>	8/17/2011 12:00:00 AM repeat on the 1 day every month	Latecomers report	D:\Reports	mail@mailserver.com	
<input type="checkbox"/>	8/17/2011 12:00:00 AM repeat on the 1 day every month	Latecomers report	D:/reports share	mail@axxonsoft.com	

2. For the required task click in the **Edit** column.

- As a result the **Edit the task** form is displayed. The task parameters should be changed by analogy with the **New task** form (see [Creating the task](#) section).

**Edit the task**
✕

**Schedule :**

8/17/2011 12:00:00 AM repeat on the 1 day every month

**Reports:**

Latecomers report

**Actions:**

Folders:

D:/reports share

↑

---

Emails:

mail@axxonsoft.com

↑

Activate:

OK

Cancel

- In order to save the changes click **OK**.

**Note.**  
In order to cancel the changes in the task click **Cancel**.

Editing the auto-executed task is completed.

### 7.2.5.5 Deleting the task

Rus

In order to delete the task do the following:

- Go to the **Tasks** tab.

Reports

Schedules

Tasks

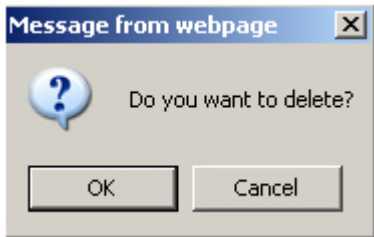
Email settings

**New task**

Active	Schedules	Reports	Folders	Emails	Edit
<input checked="" type="checkbox"/>	8/17/2011 12:00:00 AM repeat on the 1 day every month	■ Latecomers report	■ D:\Reports	■ mail@mailserver.com	▶
<input type="checkbox"/>	8/17/2011 12:00:00 AM repeat on the 1 day every month	■ Latecomers report	■ D:/reports share	■ mail@axxonsoft.com	▶

- For the required task click in the **Edit** column.

- In the appeared box confirm the task deleting by clicking **OK**.



Deleting the task is completed.

## 7.3 Setting up the POS reports

Rus

Setting up the POS reports is performed in the **POS reports** tab on the administration page.

POS reports setup consists of:

- Creating the list of POS operators.
- Setting up the statuses of POS events.
- Setting up the groups of statuses of POS events.

### 7.3.1 Creating the list of POS operators

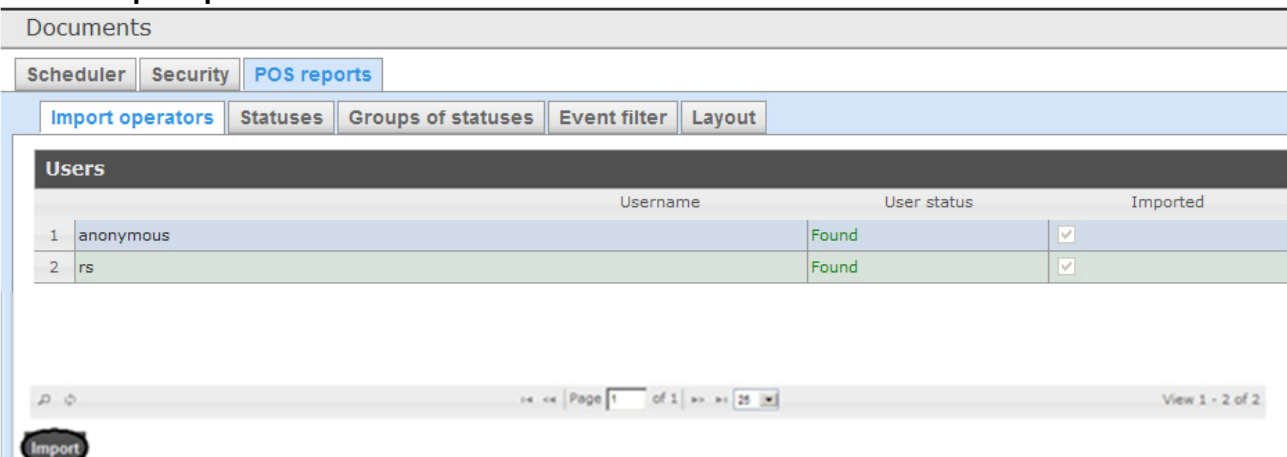
Rus

The user that is not in the list of POS operators can not change statuses of POS events in reports whether he has the **POS expert** role or not (see [Set up the roles and users](#) section).

The list of POS operators is empty by default. In order to fill it in it is necessary to import users from the general list of *Intellect Web Report System* users.

In order to import users do the following:

- Go to the **Import operators** tab.



- The list of users registered in *Intellect Web Report System* including those who do not have the rights of POS operator or POS expert, is displayed. If the user is imported into the list of POS operators then there will be the checked checkbox in the **Imported** column.
- In order to import remaining users click **Import**.

Users import into the list of POS operators is completed.



## 7.3.2 Setting up the cashiers list in the POS reports

Rus

The list of all cashiers from the database is displayed in the **Cashiers** tab.

To display only working cashiers in the panel of cashiers report or report by suspicious events it is possible to specify their hiring and firing dates. In this case fired cashiers won't be able to select while report creating.

In order to specify hiring and firing dates, do the following:

1. Go to the **Cashiers** tab.
2. Select cashier for which information about hiring and firing dates should be entered.

ID	Full name	Hired	Fired
Bill Smith	Bill Smith		
Carlton Cole	Carlton Cole		
Jeff Carter	Jeff Carter		
Joe Black	Joe Black	2015-07-14	
John Dawson	John Dawson		
John Pisani	John Pisani		
Lisa Young	Lisa Young		
Mary Ashley	Mary Ashley		
Max Lopez	Max Lopez		
Natalie Moore	Natalie Moore		

3. Specify date of hiring using the **Calendar** tool in the area (1).
4. Specify date of firing using the **Calendar** tool in the area (2).

## 7.3.3 Setting up the statuses of POS events

Rus

Every POS event has the status. By default all POS events have the **Event not processed** status. In order to change this status POS operator should be added to the **POS expert** role.

**Note.**

This role allows changing the statuses of events repeatedly.

The following statuses processed by the operator of POS events are already registered in *Intellect Web Report System*:



















1. Non- violation.
2. Possibly violation.
3. Minor violation detected.
4. Moderate violation detected.
5. Serious violation detected.

Documents

Scheduler Security **POS reports**

Import operators **Statuses** Groups of statuses Event filter Layout

**Statuses**

	Actions	In use	Name	Description	Background c	Text color
1	  	<input checked="" type="checkbox"/>	Event not processed (by default)		#858585	#000000
2	  	<input checked="" type="checkbox"/>	Non-violation		#2D9518	#000000
3	  	<input checked="" type="checkbox"/>	Possibly violation		#DAE042	#000000
4	  	<input checked="" type="checkbox"/>	Minor violation detected		#E9962B	#000000
5	  	<input checked="" type="checkbox"/>	Moderate violation detected		#F34320	#000000
6	  	<input checked="" type="checkbox"/>	Serious violation detected		#6B1E0E	#000000

Create

One can create user statuses and edit all existing ones.

### 7.3.3.1 Creating the user status

Rus

In order to create the user status do the following:



















1. Go to the **Statuses** tab.




Documents

Scheduler Security **POS reports**


Import operators **Statuses** Groups of statuses Event filter Layout

**Statuses**






















	Actions	In use	Name	Description	Background c	Text color
1	  	<input checked="" type="checkbox"/>	Event not processed (by default)		#858585	#000000
2	  	<input checked="" type="checkbox"/>	Non-violation		#2D9518	#000000
3	  	<input checked="" type="checkbox"/>	Possibly violation		#DAE042	#000000
4	  	<input checked="" type="checkbox"/>	Minor violation detected		#E9962B	#000000
5	  	<input checked="" type="checkbox"/>	Moderate violation detected		#F34320	#000000
6	  	<input checked="" type="checkbox"/>	Serious violation detected		#6B1E0E	#000000

Create 1

2. Click **Create (1)**.
3. As a result a new line is added to the **Statuses** table.
4. In the **Name** field (2) enter a status name.
5. In the **Description** field (3) enter a short status description.
6. Set a color in which the line with event when it is moved to the created status will be colored. For this enter HTML color code in the **Background color** field (4) or use a color selection window.  
In the latter case left-click in the **Background color** field (4) and set the necessary color in the appeared window (5). For setting a color one can use both a color palette and RGB/HSB/HTML codes. In order to apply a color to a status and close a color selection window click .
7. By analogy with the step 6 set a color in which the text of event when it is moved to the created status will be colored (6).

8. If it is necessary to use the status after its creation then set the checkbox checked in the **In use** column.

Statuses				
	Actions	In use	Name	
1	  	<input checked="" type="checkbox"/>	Event not processed (by default)	
2	  	<input checked="" type="checkbox"/>	Non-violation	
3	  	<input checked="" type="checkbox"/>	Possibly violation	
4	  	<input checked="" type="checkbox"/>	Minor violation detected	
5	  	<input checked="" type="checkbox"/>	Moderate violation detected	
6	  	<input checked="" type="checkbox"/>	Serious violation detected	
7	  	<input type="checkbox"/>	<input type="text" value="New status"/>	

**Note.**

One can both activate and deactivate the status afterwards when it is edited (see [Editing the status](#) section).

9. In order to save the status click  (7) in the **Actions** column.

**Note.**

In order to cancel the status creation click  in the same column.






















User status creating is completed.


### 7.3.3.2 Editing the status

Rus


In order to edit a status do the following:

1. Go to the **Statuses** tab.

Statuses						
	Actions	In use	Name	Description	Background	Text color
1	  	<input checked="" type="checkbox"/>	Event not processed (by default)		#858585	#000000
2	  	<input checked="" type="checkbox"/>	Non-violation		#2D9518	#000000
3	  	<input checked="" type="checkbox"/>	Possibly violation		#DAE042	#000000
4	  	<input checked="" type="checkbox"/>	Minor violation detected		#E9962B	#000000
5	  	<input checked="" type="checkbox"/>	Moderate violation detected		#F34320	#000000
6	  	<input checked="" type="checkbox"/>	Serious violation detected		#681E0E	#000000
7	  	<input checked="" type="checkbox"/>	New status		#c21fc2	#000000

2. Click  for a required status in the **Actions** column.

3. As a result it will be possible to edit a status. The editing procedure of any status is similar to creating the user status (see [Creating the user status](#) section).

4. In order to save the status changes click  in the **Actions** column.

**Note.**

In order to cancel the changes in the status click  in the same column.

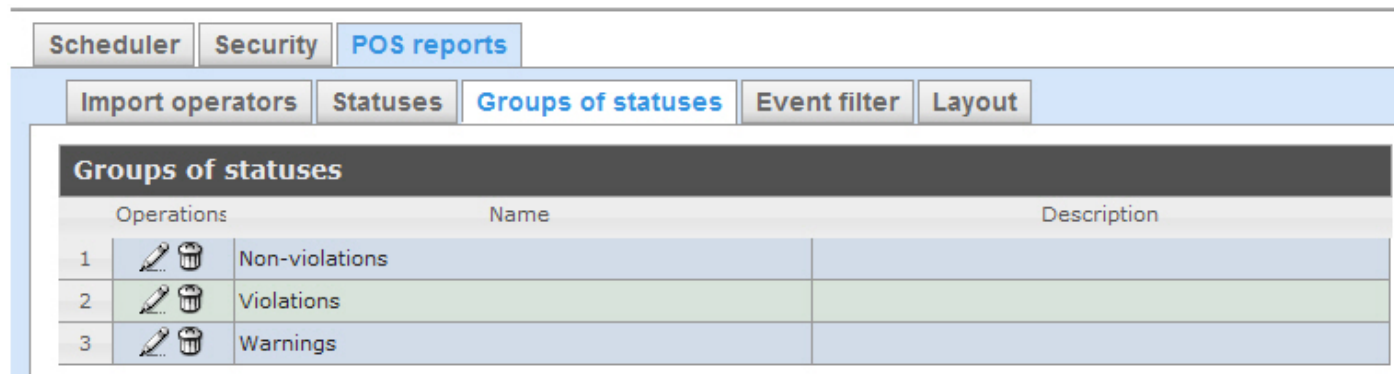
Status editing is completed.

## 7.3.4 Setting up the groups of statuses of POS events

Rus

One can group statuses of POS events on the basis of one or another feature to make *Intellect Web Report System* more convenient to use. Created groups are used for making reports.

Setting up the groups of statuses of POS events is carried out in the **Groups of statuses** tab.



By default three groups of statuses of POS events are already created in *Intellect Web Report System*.

Groups of statuses of POS events are presented in the following table.

Group of statuses	Statuses
Non-violations	Non-violation
Violations	Minor violation detected
	Moderate violation detected
	Serious violation detected
Warnings	Event not processed
	Possibly violation

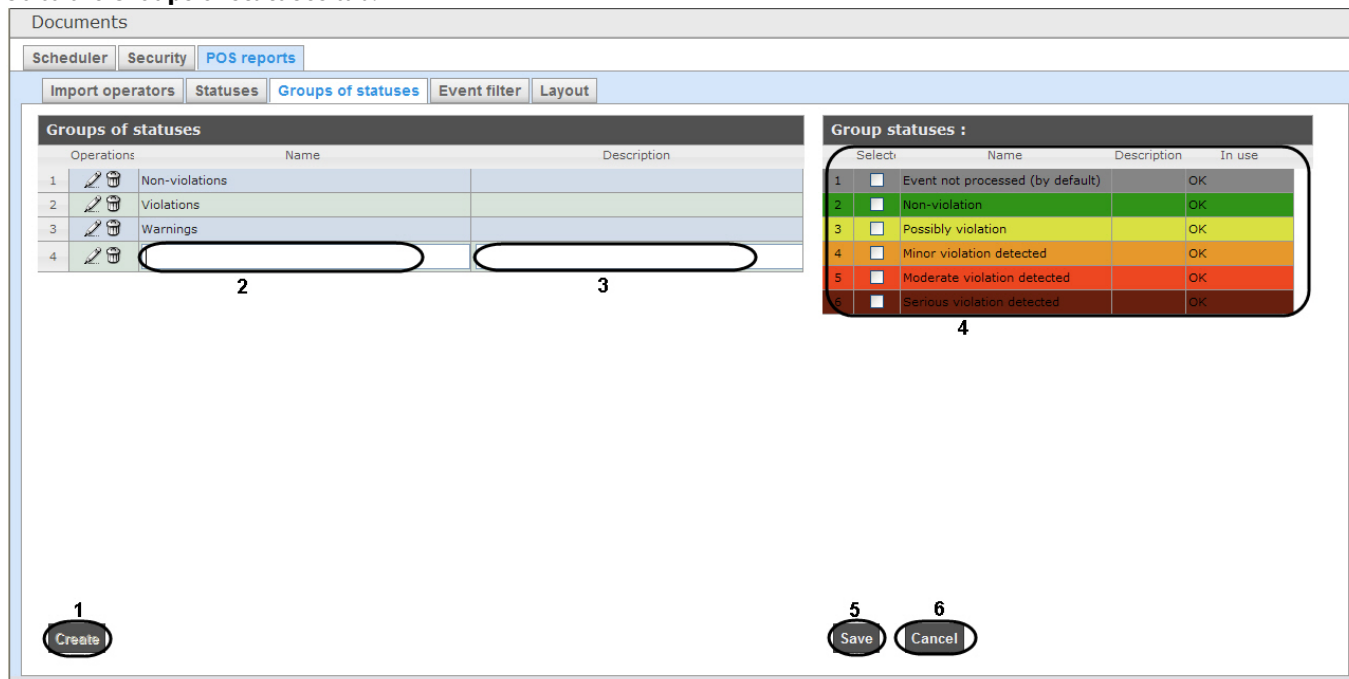
One can create other groups and also edit and delete the existing ones.

### 7.3.4.1 Creating a group of statuses

Rus

In order to create a group of statuses do the following:

1. Go to the **Groups of statuses** tab.



2. Click **Create** (1).
3. As a result a new line is added to the **Groups of statuses** table. Fill in its fields:
  - 3.1 In the **Name** field enter the name of a new group of statuses (2).
  - 3.2 In the **Description** field enter a short description of a group of statuses (3).

**Note.**  
This field is optional for filling in.

4. In the **Selected** column of the **Group statuses** table (4) set checkboxes checked for those statuses that should be added to the group.

**Note.**  
One should make sure that these statuses are in use (in the **In use** field there is **OK**). Otherwise the statuses will be ignored while making a report by group.

5. In order to save parameters of a new group of statuses click **Save** (5).

**Note.**  
In order to cancel the creating a new group of statuses click **Cancel** (6).

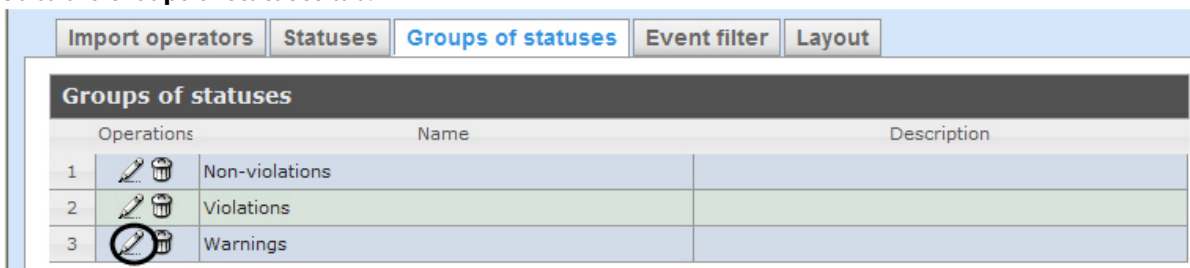
Creating a new group of statuses is completed.

### 7.3.4.2 Editing a group of statuses

Rus

In order to edit a group of statuses do the following:

1. Go to the **Groups of statuses** tab.



2. For the required group of statuses click in the **Operations** column.
3. As a result it will be possible to edit all parameters of a group of statuses. One can edit the group of statuses by analogy with its creation (see [Creating a group of statuses](#) section).

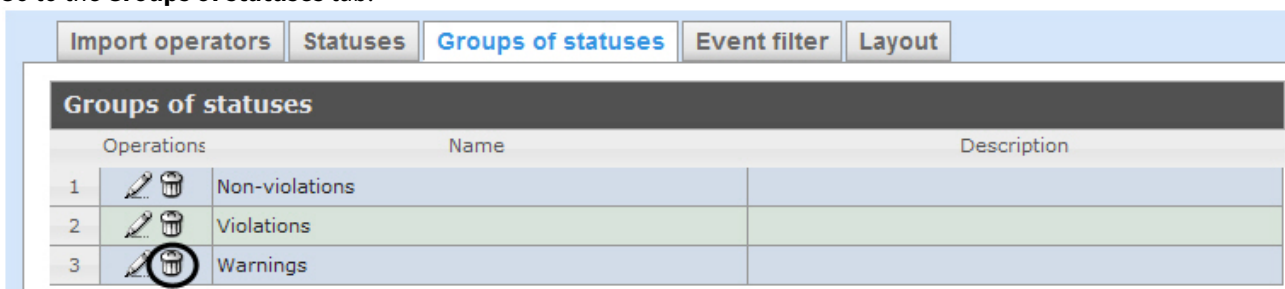
Editing a group of statuses is completed.

### 7.3.4.3 Deleting a group of statuses

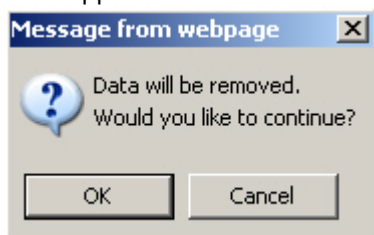
Rus

In order to delete a group of statuses do the following:

1. Go to the **Groups of statuses** tab.



2. For the required group of statuses click in the **Operations** column.
3. In the appeared window confirm deleting a group of statuses by clicking **OK**.



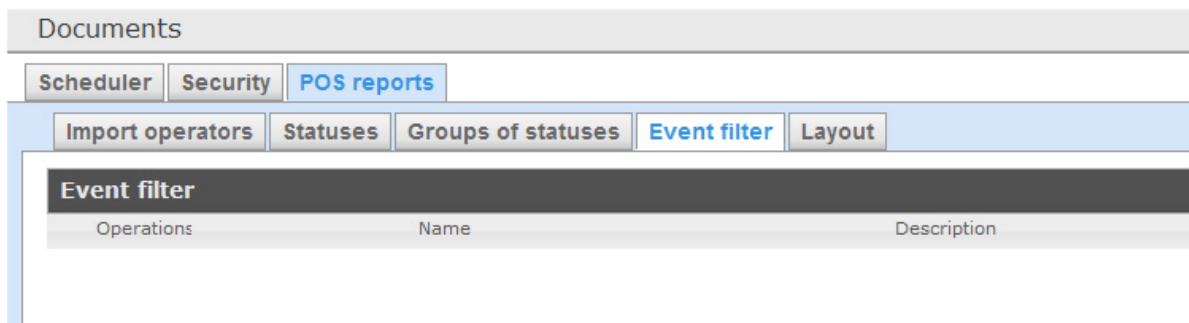
Deleting a group of statuses is completed.

### 7.3.5 Setting up the filter of events

Rus

One can create filters of function events and make general reports by these filters.

Setting up the event filters is carried out in the **Event filter** tab.



By default none filters are created in *Intellect Web Report System*.

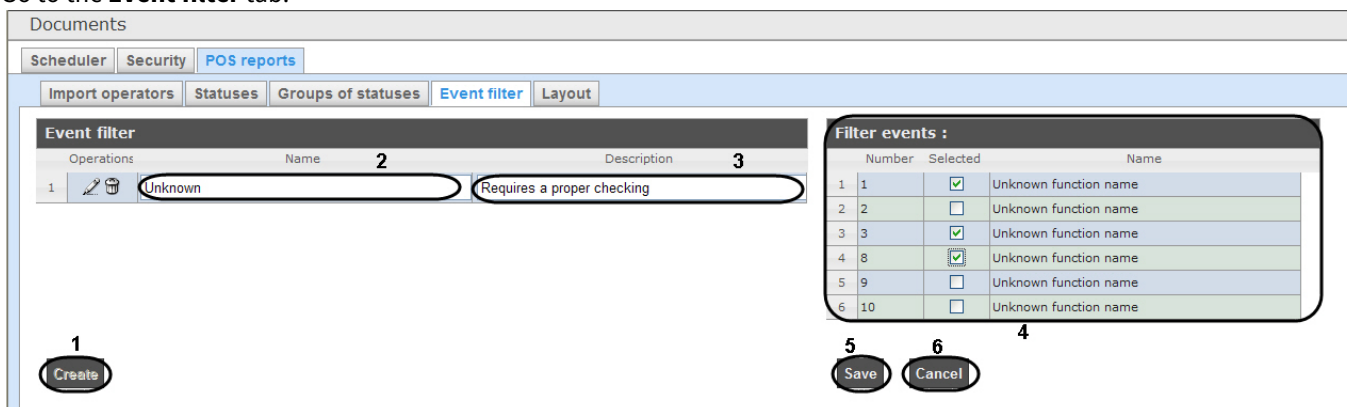
One can create event filters and also edit and delete them.

### 7.3.5.1 Creating a filter of events

Rus

In order to create a filter of events do the following:

1. Go to the **Event filter** tab.



2. Click **Create** (1).
3. As a result a new line is added to the **Event filter** table. Fill in its fields:
  - 3.1 In the **Name** field enter the name of a new filter of events (2).
  - 3.2 In the **Description** field enter a short description of a filter of events (3).

**Note.**  
This field is optional for filling in.

4. In the **Selected** column of the **Event filter** table (4) set checkboxes checked for those events that should be added to the filter.
5. In order to save parameters of a new filter of events click **Save** (5).

**Note.**  
In order to cancel the creating a new filter of events click **Cancel** (6).

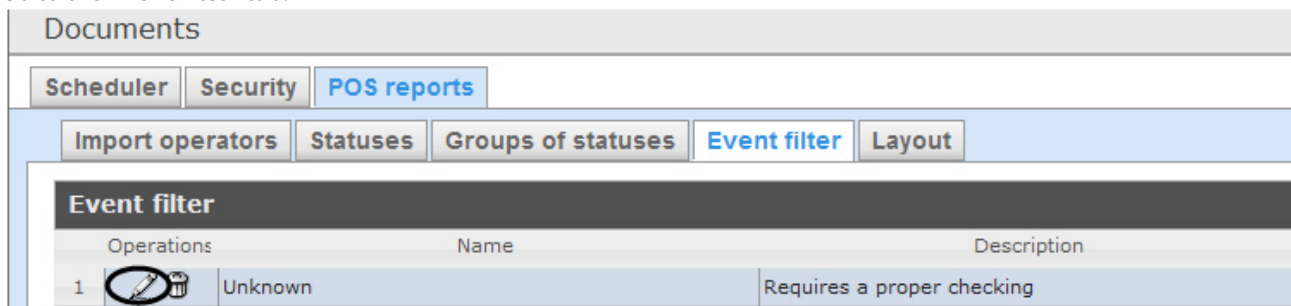
Creating a new filter of events is completed.


### 7.3.5.2 Editing a filter of events

Rus

In order to edit a filter of events do the following:

1. Go to the **Event filter** tab.



2. For the required filter of events click  in the **Operations** column.
3. As a result it will be possible to edit all parameters of a filter of events. One can edit the filter of events by analogy with its creation (see [Creating a filter of events](#) section).

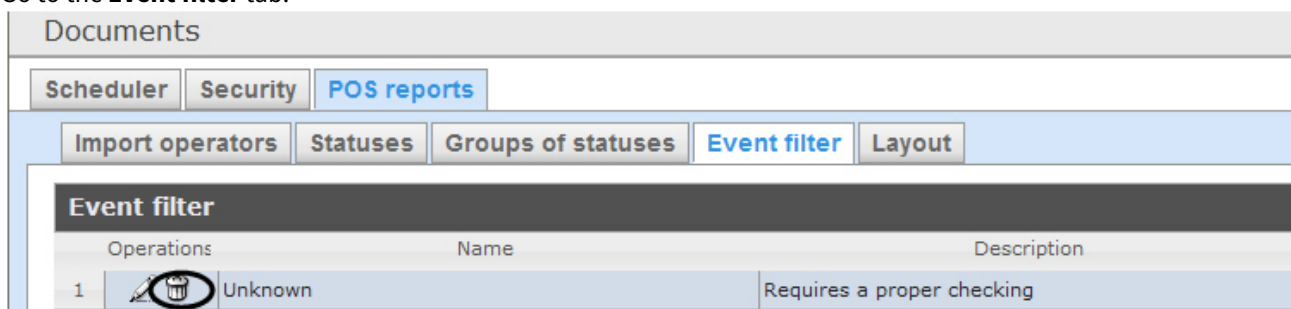
Editing a filter of events is completed.


### 7.3.5.3 Deleting a filter of events

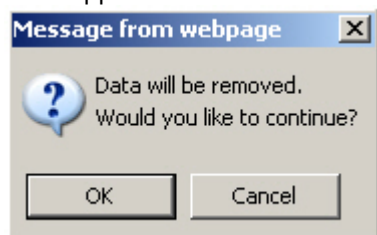
Rus

In order to delete a filter of events do the following:

1. Go to the **Event filter** tab.



2. For the required filter of events click  in the **Operations** column.
3. In the appeared window confirm deleting a filter of events by clicking **OK**.



Deleting a filter of events is completed.

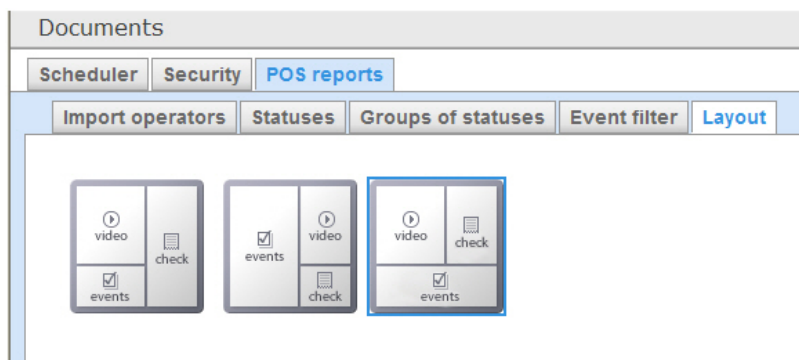
### 7.3.6 Selecting layouts in POS reports

Rus

One can select the layout of POS reports to make *Intellect Web Report System* more convenient to use.

Selecting the layouts POS events is carried out in the **Layout** tab.





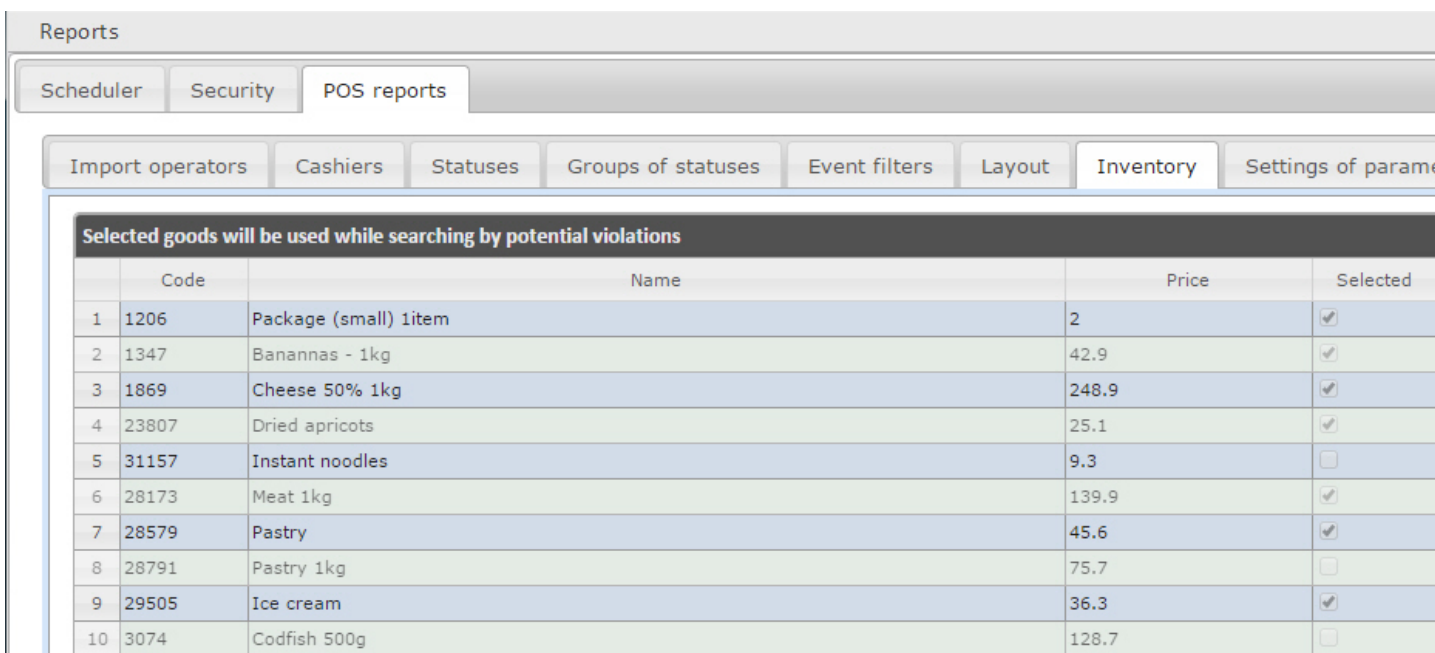
By default three layouts of POS reports are already created in *Intellect Web Report System*.

Select the needed layout by clicking the left mouse button.

### 7.3.7 Selecting items for report creating

Rus

Selecting items by which the report by suspicious events is created is performed in the **Inventory** tab.



Set a checkbox close to the required name to select this item.

### 7.3.8 Setting up parameters of report by potential violations

Rus

Setting up parameters of report by potential violations is performed on the **Settings of parameters** tab.




























Reports Scheduler


Security General **POS reports**



Import operators Cashiers Statuses Groups of statuses Event filters Layout Inventory **Settings of parameters**

Report by potential violations

Analyse entire DB again

Cancellation of all the goods in the check followed by the addition of positions on the same receipt	 <a href="#">Analyse again</a>						
Unauthorized reduction in the price of the goods	 <a href="#">Analyse again</a>						
Unauthorized increase in the price of the goods	 <a href="#">Analyse again</a>						
Intended ignoring some goods	 <a href="#">Analyse again</a>						
Intended change of how the goods look	 <a href="#">Analyse again</a>						
Erroneous double scanning	 <a href="#">Analyse again</a>						
<table border="1"> <thead> <tr> <th>Parameter</th> <th>Value</th> <th></th> </tr> </thead> <tbody> <tr> <td>Timeout</td> <td>180</td> <td></td> </tr> </tbody> </table>	Parameter	Value		Timeout	180		
Parameter	Value						
Timeout	180						
DISABLED: Unintended change of how the goods look ("Enter product code" number needed)	 <a href="#">Analyse again</a>						
Ignoring some goods while scanning	 <a href="#">Analyse again</a>						
<table border="1"> <thead> <tr> <th>Parameter</th> <th>Value</th> <th></th> </tr> </thead> <tbody> <tr> <td>Timeout</td> <td>90</td> <td></td> </tr> </tbody> </table>	Parameter	Value		Timeout	90		
Parameter	Value						
Timeout	90						
Errors while canceling the quantity of goods	 <a href="#">Analyse again</a>						
Cash register reset by the cashier	 <a href="#">Analyse again</a>						
Not giving the receipt to the customer	 <a href="#">Analyse again</a>						
<table border="1"> <thead> <tr> <th>Parameter</th> <th>Value</th> <th></th> </tr> </thead> <tbody> <tr> <td>Timeout</td> <td>90</td> <td></td> </tr> </tbody> </table>	Parameter	Value		Timeout	90		
Parameter	Value						
Timeout	90						
<table border="1"> <thead> <tr> <th>Parameter</th> <th>Value</th> <th></th> </tr> </thead> <tbody> <tr> <td>Timeout</td> <td>180</td> <td></td> </tr> </tbody> </table>	Parameter	Value		Timeout	180		 <a href="#">Analyse again</a>
Parameter	Value						
Timeout	180						
Intended reduction in the number of the goods	 <a href="#">Analyse again</a>						
Cancellation of the receipt when the administrator is absent	 <a href="#">Analyse again</a>						
Intended ignoring some goods using the "Product info" button	 <a href="#">Analyse again</a>						

Click  next to the corresponding violation to disable it for selecting while creating the report by potential violations.

Click  to edit violation time interval for **Erroneous double scanning, Ignoring some goods while scanning, Not giving the receipt to the customer** and **Recounting contents of the cash register** violations. After clicking  there is the window in which the required values are to be specified and then **OK** clicked.

**Erroneous double scanning** ✕

Timeout

**Note**

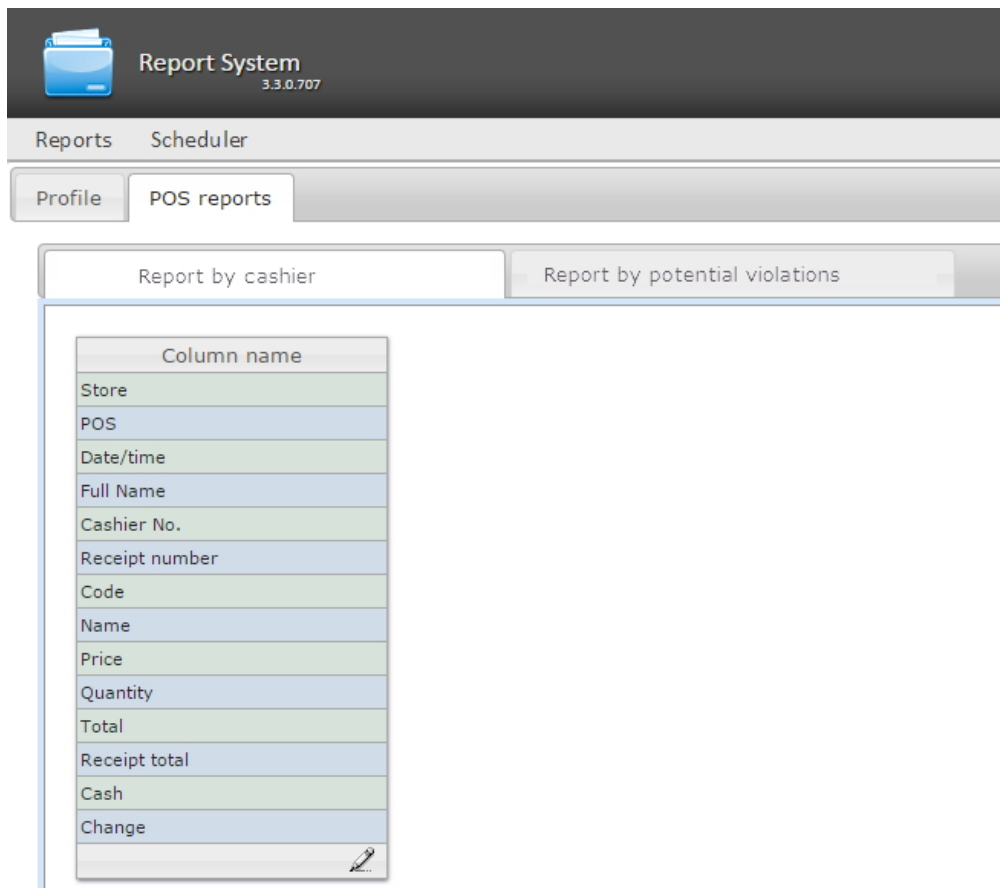
Report by **Unintended change of how the goods look** violation type is not available to create. To enable this violation type contact the technical support of *AxxonSoft*.

## 7.3.9 Setting up the user interface of POS reports




Rus

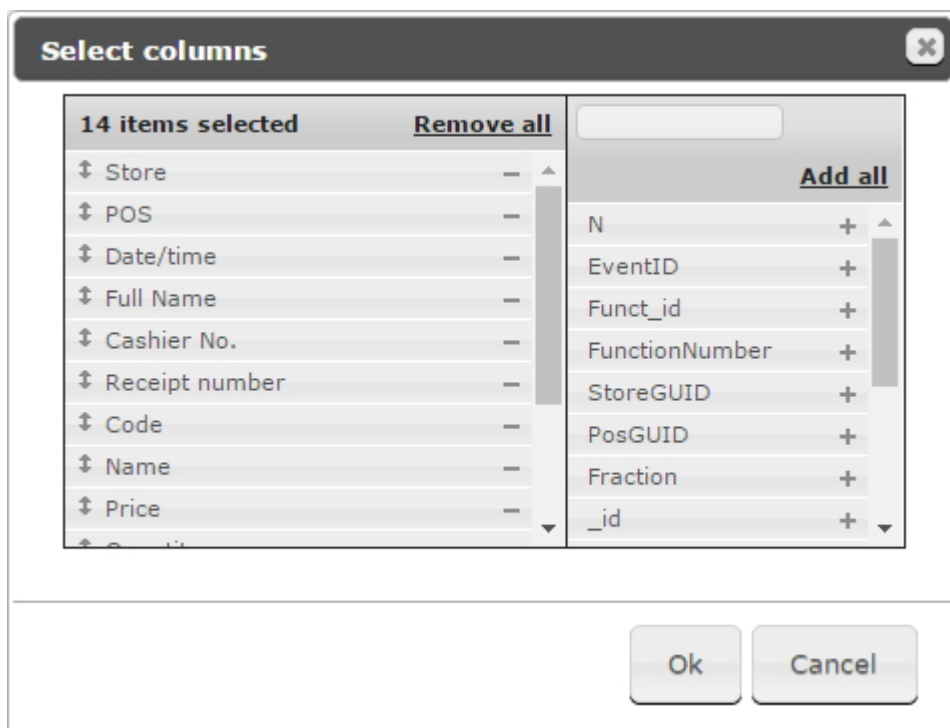
A unique interface of POS reports can be configured for every user.

User interface setup is performed on the **Profile > POS reports** tab.



To edit the list of columns in the report, do the following:

1. Click the  icon at the bottom of the list.
2. In the window that appears, add the required columns by clicking  and remove the unnecessary ones by clicking . It is possible to add/remove all the columns.
3. Click **OK** to save the changes.



The list of columns can be edited in a similar way by clicking the **Edit columns** button right on the report page.

## 7.4 Cleaning up the database for the Customer behavior reports

Rus

Cleaning up the database for the Customer behavior reports allows you to avoid the situation when the surveillance areas of the **Heat map detection** object (see [Configuring the «Heat map detection» module](#)) remain in the database after their deletion from *Intellect* and are displayed in the Customer behavior reports (see [Working with Customer behavior reports](#)).

### Important!

The database is cleaned up on the server which is specified in the *Intellect Web Report System* connection string in the file C:\Program Files(x86)\Intellect\Modules\Wt2\Web.config (see [Intellect Web Report System installation](#)).

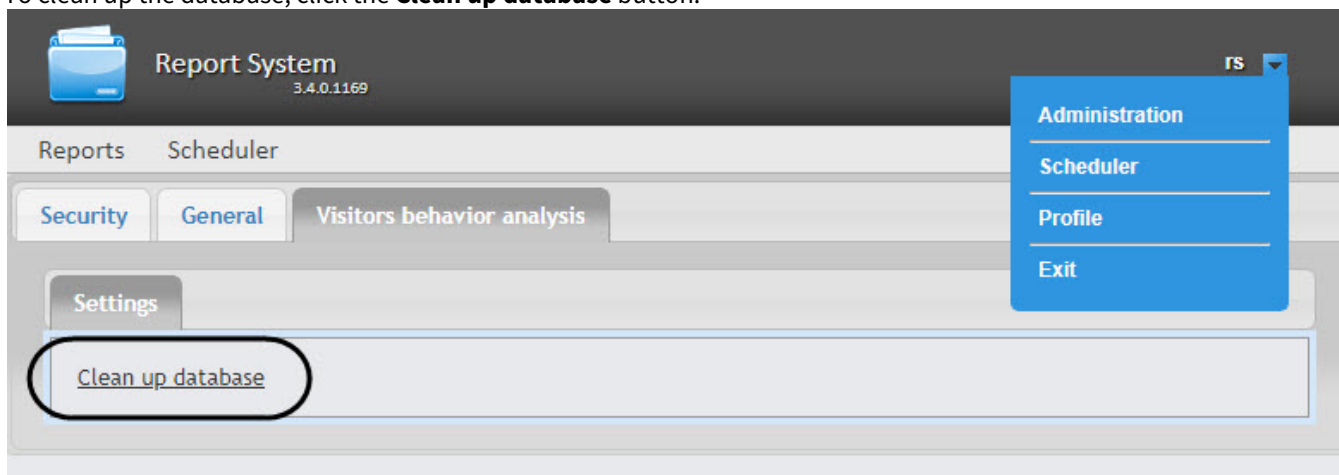
### Note

Only the data related to the **Heat map detection** object is deleted from the database.

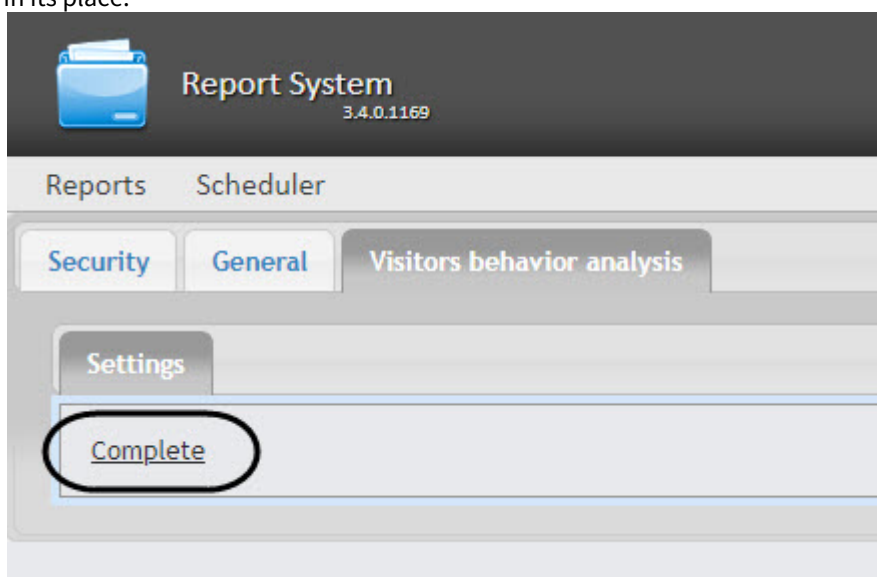
To clean up the database for the Customer behavior reports, do the following:

1. Go to the **Administration**, then open the **Visitors behavior analysis** tab, then open the **Settings** tab.

- To clean up the database, click the **Clean up database** button.



- After you click the **Clean up database** button, the database should be cleaned up, and the **Complete** sign should appear in its place.



- After the database clean up, the computer with the database server should be restarted.

Cleaning up the database for the Customer behavior reports is completed.

## 7.5 Setting up the Time and Attendance reports

Rus

Setting up the Time and Attendance reports is performed in the **Time and Attendance reports** tab on the administration page.

Time and Attendance reports setup is performed in the following sequence:

- [Setting up the user access rights to departments](#)
- [Setting up the access rights to Time and Attendance reports](#)

### Note

In order to perform the setup, you need to create the *Time and Attendance* interface object in the server, see [Time and Attendance object settings](#).

**Note**

In order to be able to work with Time and Attendance reports, the role with the right to perform the **Time and Attendance Module operator** operations should be created and assigned to users, as described in [Set up the roles](#).

**Note**

Once the configuration is complete, update the report database as described in [Updating the report database](#).

## 7.5.1 Setting up the user access rights to departments

Rus

To configure user access to departments do the following:

1. Go to the **Time and Attendance reports** tab.

The screenshot shows the 'Report System' interface with the 'Time and Attendance reports' tab selected. Underneath, the 'Access to departments' sub-tab is active. It contains two main panels:

- Users Table:** A table with columns 'ID', 'Username', and 'Comments'. It lists four users: 'operator', 'operator2', 'operator3', and 'rs'. The first row is highlighted with a '1' in the 'Comments' column, indicating it is selected.
- Access to user departments:operator2 Table:** A table with a 'Department / subdivision' column. It lists six departments with checkboxes: 'Development' (checked), 'Marketing' (unchecked), 'Quality Assurance' (checked), 'Sales' (unchecked), 'Tech Dept' (checked), and 'Tech Support' (checked). A '2' is placed below this table, indicating it is the second step in the process.

At the bottom of the interface, there is a 'Save' button and a '3' indicating the final step.

2. In the **Users** table select the user for which access is to be configured (1).

**Note**

The user must have a role with the right to perform the **Time and Attendance module operator** operations. For details on role configuration, see [Set up the roles](#).

3. The list of available departments for the selected user is displayed in the **Access to user department** table (2).

**Note.**

Only departments selected while configuring the *Time and Attendance* program module display in the **Access to user department** table

4. Set checkboxes close to departments to which access will be allowed for the selected user.
5. Click the **Save** button (3).

6. Repeat steps 2-5 for all users.

**Note**

The **rs** user has access to all departments by default, this can not be changed.

Configuring of user access to departments is completed.

### 7.5.2 Setting up the access rights to Time and Attendance reports

Rus

To configure user access to reports do the following:

1. Go to the **Time and Attendance reports > Access to reports** tab.

The screenshot shows the 'Report System' interface with the 'Time and Attendance reports' tab selected. The 'Access to reports' sub-tab is active. On the left, a 'Users' table lists four users: operator, operator2, operator3, and rs. The 'operator2' row is highlighted with a '1' in the 'Comments' column. On the right, the 'Access to user reports:operator2' panel shows a list of reports with checkboxes. The 'Hours-worked report' is checked and has a '2' in the 'Comments' column. A 'Save' button with a '3' next to it is at the bottom right.

ID	Username	Comments
1	operator	
2	operator2	1
3	operator3	
4	rs	

Report Name	Access	Comments
Department / subdivision	<input type="checkbox"/>	
Detailed general report	<input type="checkbox"/>	
Employee time clock report	<input type="checkbox"/>	
Error report	<input type="checkbox"/>	
General report	<input checked="" type="checkbox"/>	
General report by discipline and overtime	<input type="checkbox"/>	
Generalized report	<input type="checkbox"/>	
Hours-worked report	<input checked="" type="checkbox"/>	2
Latecomers report	<input checked="" type="checkbox"/>	
Official acts report	<input checked="" type="checkbox"/>	
Personal presence-at-workplace report	<input type="checkbox"/>	
Presence at workplace report	<input checked="" type="checkbox"/>	
Simple generalized report	<input type="checkbox"/>	
T-12	<input type="checkbox"/>	
T-13	<input type="checkbox"/>	
Work schedule violations	<input type="checkbox"/>	

2. In the **Users** table select user for which access is configured (1).

**Note**

The user must have a role with the right to perform the **Time and Attendance module operator** operations. For details on role configuration, see [Set up the roles](#).

- The list of available reports for the selected user is displayed in the **Access to user reports** table (2).
- Set the checkboxes next to reports which will be enabled for the selected user.
- Click the **Save** button (3).
- Repeat steps 2-5 for all users.

Configuring user access to reports is complete.

### 7.6 Setting up the Access Manager reports

Rus

**Attention!**

Prior to setting up the Access Manager reports, it is necessary to update the report database as described in [Updating the report database](#).

Setting up the Access Manager reports is performed in the **Access Manager reports** tab on the administration page.

Access Manager reports setup is performed in the following sequence:

1. [Setting up user access to departments](#)
2. [Setting up user access to reports](#)

**Note**

To perform the configuration, the *Access Manager* interface object must be created and configured on the Server, see [Configuration of the Access Manager module](#).

**Note**

In order to be able to work with Access Manager reports, the role with the right to perform the **Access Manager operator** operations should be created and assigned to users, as described in [Set up the roles](#).

### 7.6.1 Setting up user access to departments

Rus

To configure user access to departments do the following:

1. Go to the **Access manager reports > Access to departments** tab.

The screenshot shows the 'Report System' administration interface. The top navigation bar includes 'Reports' and 'Scheduler'. Below it, there are tabs for 'Security', 'General', 'Access Manager reports', and 'Time and Attendance reports'. The 'Access Manager reports' tab is active, and within it, the 'Access to departments' sub-tab is selected. The main content area is divided into two panels:

- Users Table:** A table with columns 'ID', 'Username', and 'Comments'. It lists four users:
 

ID	Username	Comments
1	operator	
2	operator2	1
3	operator3	
4	rs	
- Access to user departments:operator2 Form:** A form titled 'Access to user departments:operator2' with a 'Department / subdivision' section. It contains a list of departments with checkboxes:
  - Development
  - Marketing
  - Quality Assurance
  - Sales
  - Tech Dept
  - Tech Support

At the bottom of the form, there is a 'Save' button. The page footer shows 'Page 1 of 1' and 'View 1 - 4 of 4'.

2. In the **Users** table select user for which access is to be configured (**1**).



**Note**

The user must have a role with the right to perform the **Access Manager operator** operations. For details on role configuration, see [Set up the roles](#).

3. The list of available departments for the selected user is displayed in the **Access to user departments** table (2).
4. Set the checkboxes close to departments to which access will be allowed for the selected user.
5. Click the **Save** button (3).
6. Repeat steps 2-5 for all users.

**Note**

The **rs** user has access to all departments by default, this can not be changed.

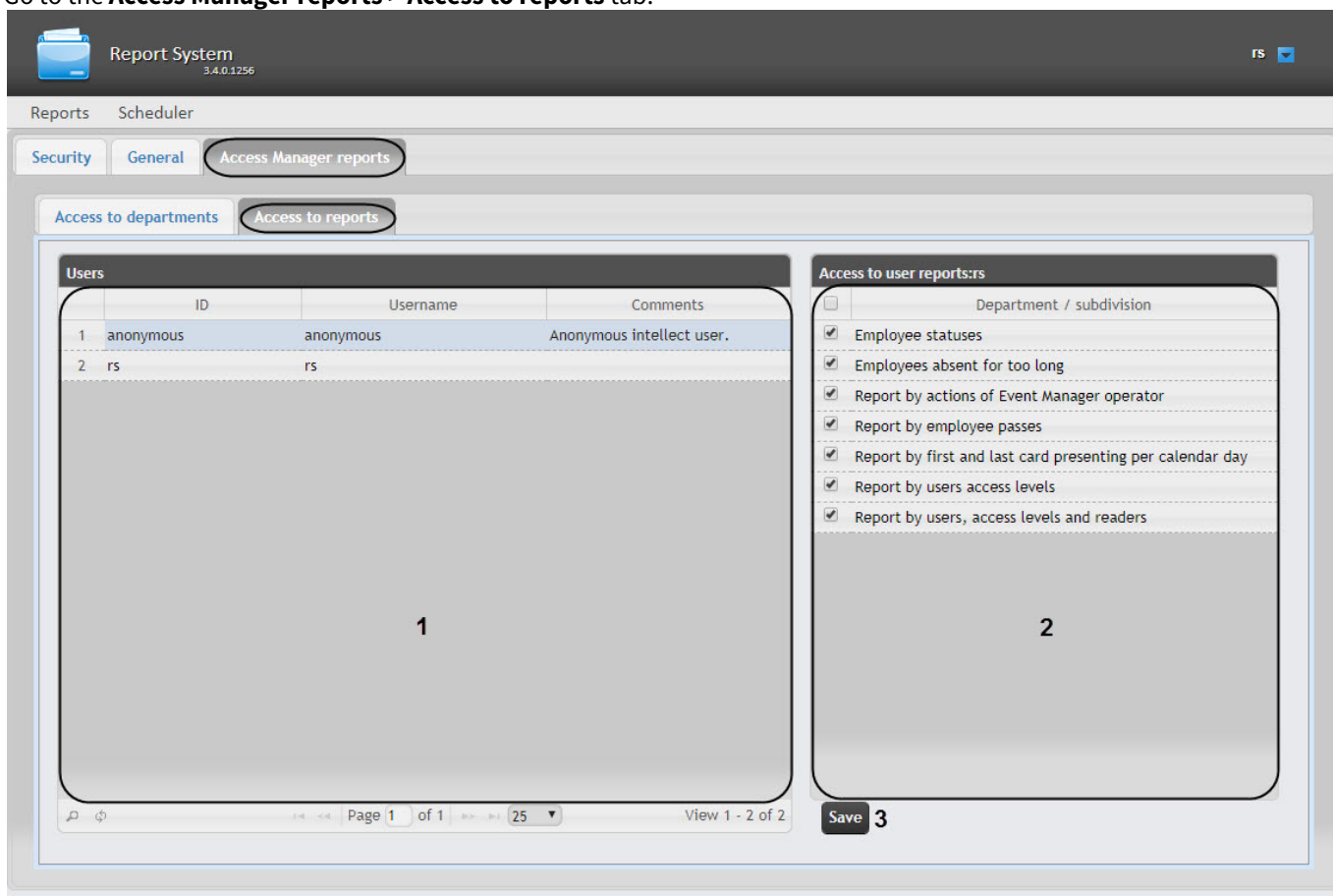
Configuring user access to departments is completed.

## 7.6.2 Setting up user access to reports

Rus

To configure user access to reports do the following:

1. Go to the **Access Manager reports > Access to reports** tab.



2. In the **Users** table select user for which the access is configured (1).

**Note**

The user must have a role with the right to perform the **Access Manager operator** operations. For details on role configuration, see [Set up the roles](#).

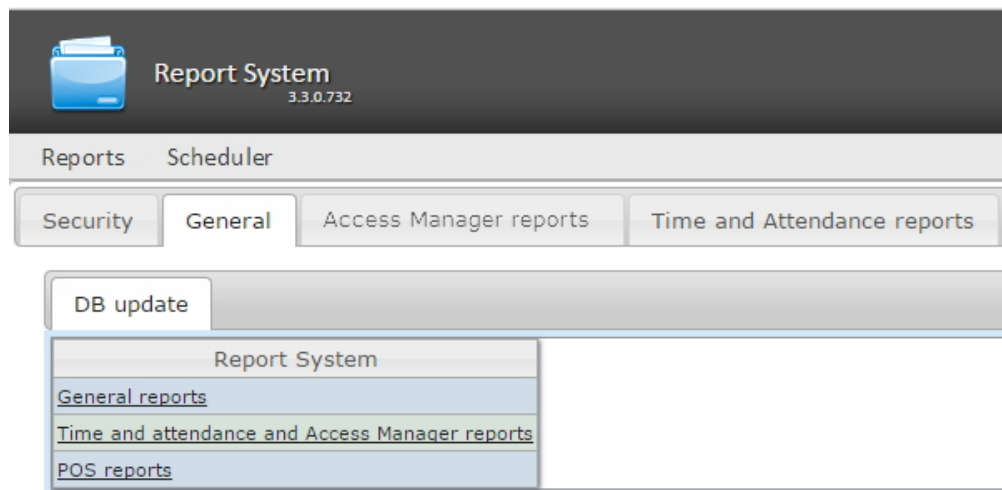
3. The list of available reports for the selected user is displayed in the **Access to reports of user** table (2).
4. Set the checkboxes next to reports which will be enabled for the selected user.
5. Click the **Save** button (3).
6. Repeat steps 2-5 for all users.

Setting up user access to Access Manager reports is complete.

## 7.7 Updating the report database

Rus

Stored procedures for **General**, **Time and Attendance** and **POS** reports are updated in the database on the **General** tab of the administration page.



In order to update the stored procedures in the database for a specific type of reports, click the corresponding link in the **Database update** table.

The stored procedures for Time and Attendance reports and Access Manager reports are stored in a single database. If any of the two modules is absent, it will not hamper the update procedure: the stored procedure for the absent module will not be loaded in the database.

**Warning!**

The **General reports** database must be updated after each new installation of the Web Report System or re-installation with configuration update.

## 8 Working with Intellect Web Report System

Rus

Working with *Intellect Web Report System* is performed on the document page (see [Intellect Web Report System interface](#) section).

Opportunities of the *Intellect Web Report System* are described in the [Purpose of the Intellect Web Report System](#) section.

### Note.

For proper operation of the Web Report System you may need to edit the configuration file (**Web.config**) by increasing the value of the **CommandTimeout** parameter (see the [XML-file parameters reference guide](#))

### 8.1 Working with POS reports

Rus

POS reports are created by the local database of the *Intellect* software package, but it is also possible to use data from remote servers. Configuration of database replication is needed (see *POS-Intellect Software Package. Administrator's guide* document, *Configuring the POS-replicator system object* section).

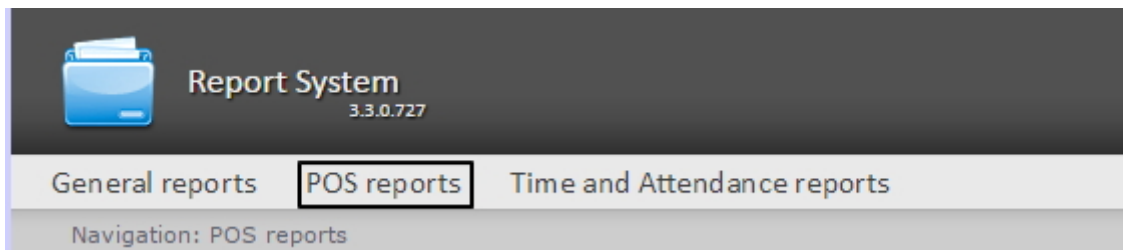
Working with POS reports starts with selection of summary report type.

#### 8.1.1 General reports

##### 8.1.1.1 Selecting a type of general POS report


Rus

In order to select type of general POS report click **POS reports** in the menu of reports.



As a result the list of available general POS reports (with a short description of each one) is displayed:

1. Statistics by cashiers is a summary statistics table by cashiers;
2. Report by cashier is a general table of by cashier-related events;
3. Report by event is a general table by-events and by-cashier related events;
4. Report by POS is a general table of by POS-related events;
5. Report by operator is a general table of by operator-related events;
6. Report by number of open POS terminals is a general table or a chart;
7. Sweethearting report opens a Sweethearting monitor (see [Sweethearting monitor](#));
8. Report by potential violations is a general table by potential violations.


Report System  
3.4.0.1056

POS reports


Navigation: POS reports

<a href="#">Statistics by cashiers</a>	Summary statistics table by cashiers
<a href="#">Report by cashier</a>	General table of by-cashier events.
<a href="#">Report by event</a>	General table of by-events and by-cashier.
<a href="#">Report by POS</a>	General table of by-POS events.
<a href="#">Report by operator</a>	General table of by-operator events.
<a href="#">Report by number of open POS terminals</a>	
<a href="#">Sweethearting</a>	
<a href="#">Report by potential violations</a>	General table of events by potential violations.

In order to switch to the required report click the corresponding link.

**Note.**

The list of links for switching to general POS reports is also available when hovering over a link to **POS reports** in the reports menu.


Report System  
3.4.0.1056

POS reports

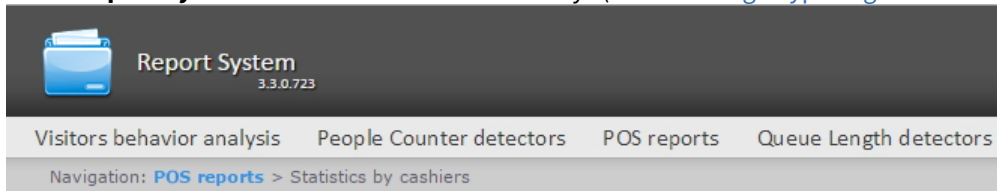
- Statistics by cashiers
- Report by cashier
- Report by event
- Report by POS
- Report by operator
- Report by number of open POS terminals
- Sweethearting
- Report by potential violations

### 8.1.1.2 Stastics by cashiers

Rus

In order to display the cashier statistics do the following:

1. Select **Report by cashier** in one of the available ways (see [Selecting a type of general POS report section](#)).



#### Statistics by cashiers

Parameter	Value
Period:	User <input type="button" value="v"/> from 05/05/2017 <input type="button" value="calendar"/> to 05/05/2017 <input type="button" value="calendar"/>

1

**Execute**

2

2. Specify the period in one of the following ways (1):
  - a. By default, the **User defined** period is selected. Enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the  button near the corresponding field to use the **Calendar** tool.
  - b. There is also a possibility to build a report for a fixed period of time (a week, a month, etc.). These periods are selected in the drop-down list.
  - c. Finally, the **User defined 2** period enables to enter the start and end time of period for which the report is to be created using the  button.
3. Click **Execute** to run the report (2).

As a result of the operation, a summary table of events will be displayed for all the cashiers in accordance with predefined parameters. The number of events registered for each cashier will be displayed in the corresponding column. The **Total** column for each type of event will indicate the total number of events for each cashier. To view them, click the **[all]** link.

Number	Name	Total	Phoebe Burke	Joanna Hoover	Cody Cox	Tia Fox	Lola Dean	Bridget Phelps	Bethany Lawrence	Sloane Bates	Alexandra Mason	Karen Wheeler	Holly Wilson	Kelra
1	Items total	<a href="#">[all]</a> 38679	5554	2927	6450	7948	1117	87772	36841	52808	57116	16254	5559	
2	Work time	<a href="#">[all]</a> 182:37:35	18:34:19	8:45:8	24:20:30	132:12:11	28:32:44	294:58:15	232:35:44	227:2:54	203:56:0	54:37:58	20:35:2	
3	Checks total	<a href="#">[all]</a> 4237	570	264	648	841	118	10177	4237	5918	6144	1818	599	
4	Checks annulated	<a href="#">[all]</a>						1						
5	Items annulated	<a href="#">[all]</a> 143	7	2	9	80	7	172	74	158	139	73	5	
6	Sum	<a href="#">[all]</a> 2328921.28	336769.32	177622.8	374467.7	466622.17	75830.37	5574556.98	2483133.63	3405961.95999999	3354047.1	953956.01	363147	
7	Average check	<a href="#">[all]</a> 549.66	590.82	672.81	577.88	554.84	642.63	547.76	586.06	575.53	545.91	524.73	606.26	
8	Time per item	<a href="#">[all]</a> 0:0:16	0:0:12	0:0:10	0:0:13	0:0:59	0:1:32	0:0:12	0:0:22	0:0:15	0:0:12	0:0:12	0:0:13	
9	% of checks annulated	<a href="#">[all]</a>						0.01%						
10	% of items annulated	<a href="#">[all]</a> 0.37%	0.13%	0.07%	0.14%	1.01%	0.63%	0.20%	0.20%	0.30%	0.24%	0.45%	0.09%	

**Save**

In order to save a general report by cashier in.xls format click **Save**.

### 8.1.1.3 Report by cashier

Rus

In order to display a report by cashier do the following:

1. Select **Report by cashier** in one way (see [Selecting a type of general POS report](#) section).

Navigation: [POS reports](#) > Report by cashier



### Report by cashier

Parameter	Value
Choose:	<div style="border: 1px solid black; padding: 2px;"> <span>All, None</span> <span style="float: right;">2</span> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <input checked="" type="checkbox"/> Bill Smith <span style="float: right;">1</span> </div>
Events:	[all] <span style="float: right;">3</span> <span style="float: right;">4</span>
Period:	User defined 2 from 10/30/2015 14:24 to 10/30/2015 14:24
Status group:	[all] <span style="float: right;">5</span>
<div style="border: 1px solid black; padding: 5px; display: inline-block;">Execute</div> <span style="float: right;">6</span>	

2. Select cashiers by whom it is necessary to display a report by setting corresponding checkboxes checked in the list (1).

**Note.**

In order to set checkboxes checked in every item of the list click **All**, to set all checkboxes unchecked click **None** (2).

3. Specify a filter of those events that should be displayed in a report (3). If **All** is selected then filter of events is not considered and report is created by all events.
4. Specify the period in the following way:
  - a. From the **Period:** drop-down list select the time period for which the report is to be created (4).
  - b. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the  button near the corresponding field to use the **Calendar** tool.
  - c. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button. If another period type is selected, specifying the date of start and end periods is not needed.
5. Specify a group of statuses of those events that should be displayed in a report (4). If **All** is selected then all POS events are displayed regardless of their status.
6. Click **Execute** (6).

As a result a general table of by-cashier events (according to the parameters) is displayed. In the **Total** column the total amount of events is displayed by their type. In the column called by cashier name the amount of events registered for this cashier is displayed by their type.

Navigation: [POS reports](#) > [Report by cashier](#) > General report

Status group:  Events:

Number	Name	Total	Bill Smith
1	User deregistration	<a href="#">10</a>	<a href="#">10</a>
2	Start	<a href="#">87</a>	<a href="#">87</a>
3	End	<a href="#">96</a>	<a href="#">96</a>
4	Addition of good to document	<a href="#">295</a>	<a href="#">295</a>
5	Change prise of good in document	<a href="#">33</a>	<a href="#">33</a>
6	Discounting (extra price) of good	<a href="#">120</a>	<a href="#">120</a>
7	Payment	<a href="#">87</a>	<a href="#">87</a>
8	Total	<a href="#">97</a>	<a href="#">97</a>
9	Payment	<a href="#">97</a>	<a href="#">97</a>
10	Document printing	<a href="#">97</a>	<a href="#">97</a>

**Save**

In order to save a general report by cashier in.xls format click **Save**.

#### 8.1.1.4 Report by event

Rus

Report by event allows viewing information on selected events including what shop and checkout lane they took place in, what cashier performed specified actions.

In order to display a report by event do the following:

1. Select **Report by event** in one of the available ways (see [Selecting a type of general POS report](#) section).

Navigation: [POS reports](#) > Report by event

### Report by event

Parameter	Value
Events:	Choose: <a href="#">All</a> , <a href="#">None</a> <b>1</b> View: <a href="#">Hide all</a> , <a href="#">Show all</a> <input checked="" type="checkbox"/> [2001] End of document <b>2</b> <input checked="" type="checkbox"/> [2002] Adding product to the document <input checked="" type="checkbox"/> [2003] Change the quantity of goods <input checked="" type="checkbox"/> [2006] Removing Item from the document <input checked="" type="checkbox"/> [2009] Change in the price of goods in the document <input checked="" type="checkbox"/> [2012] Appointment prices (margins) of the product <input checked="" type="checkbox"/> [2015] Cancellations document <input checked="" type="checkbox"/> [2018] Sub total <input checked="" type="checkbox"/> [2021] Calculation <input checked="" type="checkbox"/> [2022] Result <input checked="" type="checkbox"/> [2024] Payment <input checked="" type="checkbox"/> [2025] Printing a document <input checked="" type="checkbox"/> [2027] Assign prices (margins) to document
<b>3</b> Receiving data period:	User <input type="text"/> from 10/11/2017  to 10/11/2017
<b>4</b> Status group:	[all] <input type="text"/>

**Execute** **5**

2. Select events to be displayed in the report by checking corresponding boxes in the list (**2**).

**Note.**

Click **All** to select every item on the list or **None** to remove selection (**1**).

3. Specify the period in the following way:
  - a. From the **Receiving data period**: drop-down list select the time period for which the report is to be created (**3**).
  - b. If the **User** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the button near the corresponding field to use the **Calendar** tool.
  - c. If the **User 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the button.  
If another period type is selected, specifying the date of start and end periods is not needed.
4. Specify a group of statuses of those events that should be displayed in a report (**4**). If **All** is selected then all POS events are displayed regardless of their status.
5. Click **Execute** (**6**).

As a result a general table of cashiers and events is displayed according to the specified parameters. A total of events for a cashier is displayed in the event type column.

POS reports  
 Navigation: [POS reports](#) > [Report by event](#) > General report

Status group: [all]  Events: [all]

Number	Name	Total	User	Authorization	Logout	Users	Starting document	End of document	Adding product to the document	Removing Item from the document	Change in the price of goods in the document	Appointment prices (margins) of the product	Sub total	Calculation	Result	Payment	Printing a docum
1	Ben Tompson	3	1			2											
2	Amanda Green	161				2	13	13	59		3	19		13	13	13	13
3	Nelson Ross	1854				2	136	136	665	1	19	150		192	137	137	137



### 8.1.1.5 Report by POS

Rus

**Attention!**

In order to create reports by POS terminal the **Shop** objects are to be created and configured in the Intellect software package. The **Shop** object is created on the **Programming** tab of the **System settings** dialog box.

**Note.**

Detailed information about **Shop** object settings see in the Setting up the Shop system objects section of the POS-Intellect Software Package. Administrator's Guide document.

In order to display a report by POS do the following:

1. Select **Report by POS** in one way (see [Selecting a type of general POS report](#) section).

Navigation: [POS reports](#) > Report by POS

#### Report by POS

Parameter	Value
POS:	Choose: <b>All, None</b> <b>2</b> <div style="border: 1px solid black; padding: 5px; width: fit-content;">                         + <input checked="" type="checkbox"/> Shop 1 <b>1</b>                          + <input checked="" type="checkbox"/> Shop 2                     </div>
Events:	<b>[all]</b> <b>3</b> <b>4</b>
Period:	User defined 2 ▼ from 10/30/2015  14:31  to 10/30/2015  14:31
Status group:	<b>[all]</b> <b>5</b>

**Execute** **6**

2. Select POS terminals (cash desks) by which it is necessary to display a report by setting corresponding checkboxes checked in the list (1).

**Note.**



In order to set checkboxes checked in every item of the list click **All**, to set all checkboxes unchecked click **None** (2).

**Note.**

In order to select all POS terminals in one shop set a checkbox for this shop. In order to delete all POS terminals of a shop from report do vice versa: set a checkbox unchecked for this shop.

**Note.**

POS terminals which do not related with the shop are not available in the list.

3. Specify a filter of those events that should be displayed in a report (3). If **All** is selected then filter of events is not considered and report is created by all events.
4. Specify the period in the following way:
  - a. From the **Period:** drop-down list select the time period for which the report is to be created (4).
  - b. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the  button near the corresponding field to use the **Calendar** tool.
  - c. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.  
If another period type is selected, specifying the date of start and end periods is not needed.
5. Specify a group of statuses of those events that should be displayed in a report (5). If **All** is selected then all events are displayed regardless of their status.
6. Click **Execute** (6).

As a result a general table of by POS events (according to the parameters) is displayed. In the **Total** column the total amount of events is displayed by their type. In the column called by cash desk name the amount of events registered for this cash desk is displayed by their type.

AUTO reports   POS reports   Time and Attendance reports

Status group: [all]   Events: [all]

Number	Name	Total	POS terminal 1
1	User deregistration	<b>130</b>	<b>130</b>
2	Start	<u>1069</u>	<u>1069</u>
3	End	<u>1194</u>	<u>1194</u>
4	Addition of good to document	<u>3594</u>	<u>3594</u>
5	Change prise of good in document	<u>393</u>	<u>393</u>
6	Discounting (extra price) of good	<u>1452</u>	<u>1452</u>
7	Payment	<u>1064</u>	<u>1064</u>
8	Total	<u>1195</u>	<u>1195</u>
9	Payment	<u>1194</u>	<u>1194</u>
10	Document printing	<u>1194</u>	<u>1194</u>

**Save**

In order to save a general report by POS terminals in.xls format click **Save**.

#### 8.1.1.6 Report by operator

Rus

One can create reports by POS operators that gave one or another status to POS events.

In order to display a report by POS operator do the following:

1. Select **Report by operator** in one way (see [Selecting a type of general POS report](#) section).

Navigation: [POS reports](#) > Report by operator

### Report by operator

Parameter	Value
Operators:	Choose: <b>All, None</b> <b>2</b> <input checked="" type="checkbox"/> anonymous <b>1</b> <input checked="" type="checkbox"/> rs
Events:	[all] <b>3</b> <b>4</b>
Period:	User defined 2 <b>4</b> from 10/30/2015 14:35  to 10/30/2015 14:35
Status group:	[all] <b>5</b>

**Execute** **6**

2. Select POS operators by which it is necessary to display a report by setting corresponding checkboxes checked in the list **(1)**.

**Note.**  
 In order to set checkboxes checked in every item of the list click **All**, to set all checkboxes unchecked click **None** **(2)**.

3. Specify a group of those events that should be displayed in a report **(3)**. If **All** is selected then filter of events is not considered and report is created by all events.
4. Specify the period in the following way:
  - a. From the **Period:** drop-down list select the time period for which the report is to be created **(4)**.
  - b. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the button near the corresponding field to use the **Calendar** tool.
  - c. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the button.  
 If another period type is selected, specifying the date of start and end periods is not needed.
5. Specify a group of statuses of those events that should be displayed in a report **(5)**. If **All** is selected then all events are displayed regardless of their status.
6. Click **Execute** **(6)**.

As a result a general table of by-operator events (according to the parameters) is displayed. In the **Total** column the total amount of events is displayed by their type. In the column called by POS operator name the amount of events processed by this operator (changed a status) is displayed by their type.

Navigation: [POS reports](#) > [Report by operator](#) > General report

Status group:  Events:

Number	Name	Total	rs
1	User deregistration	4	4

In order to save a general report by POS operators in.xls format click **Save**.

### 8.1.1.7 Report by number of open POS terminals

#### Important!

In order to generate a report by number of open POS terminals, the **Shop** object should be set up and configured in the *Intellect*. The **Shop** object is created on the **Programming** tab of the **System settings** dialog box.

#### Note

For the detailed information about **Shop** object settings, see [Setting up the Shop system object](#).

In order to display a report by number of open POS terminals, do the following:

1. Select a **Report by number of open POS terminals** in one way (see [Selecting a type of general POS report](#)).

**Report System**  
3.4.0.1146

POS reports

Navigation: [POS reports](#) > Report by number of open POS terminals

### Report by number of open POS terminals

Parameter	Value
POS:	<p><b>2</b></p> <p>Choose: <a href="#">All</a>, <a href="#">None</a> View: <a href="#">Hide all</a>, <a href="#">Show all</a></p> <div style="border: 1px solid black; padding: 5px;"> <p><input checked="" type="checkbox"/> Shop 1</p> <p><input checked="" type="checkbox"/> POS terminal 1</p> <p><input type="checkbox"/> Shop 2</p> </div> <p><b>1</b></p>
Receiving data period:	User ▼ from 31 Jan 2019 to 31 Jan 2019 <b>3</b>
Data averaging interval (min.):	30 <b>4</b>
Chart:	<input checked="" type="checkbox"/> <b>5</b>
Layout:	Portrait ▼ <b>6</b>
Delete zero values:	<input checked="" type="checkbox"/> <b>7</b>

**Execute** **8**

2. Select POS terminals (cash desks) by which it is necessary to display a report by setting corresponding checkboxes checked in the list (**1**).

**Note**



In order to set checkboxes checked in every item of the list click **All**, to set all checkboxes unchecked click **None** (**2**).

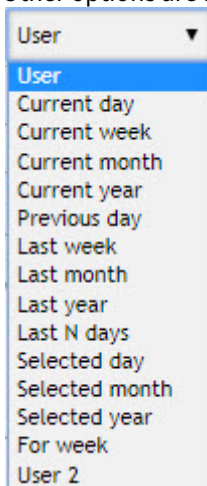
**Note**

In order to select all POS terminals in one shop set a checkbox for this shop. In order to delete all POS terminals of a shop from report do vice versa: set a checkbox unchecked for this shop.

**Note**

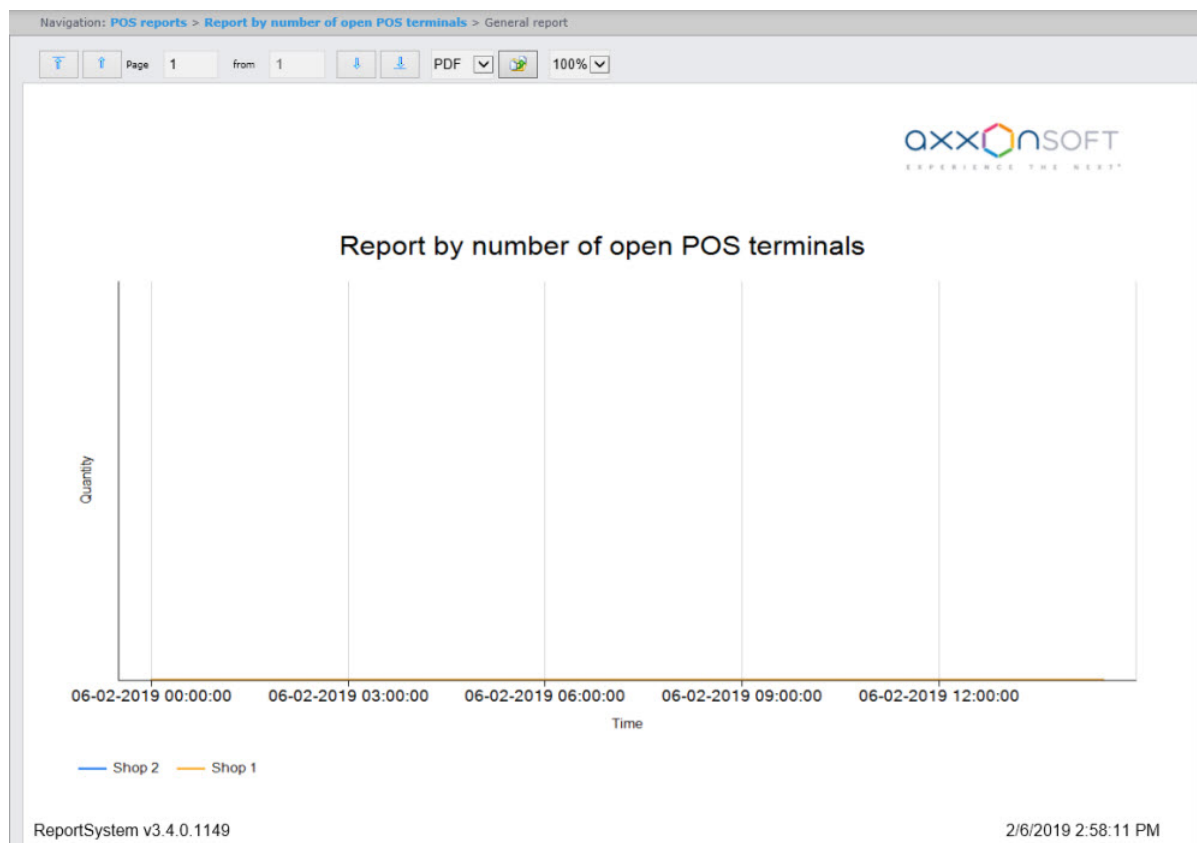
POS terminals which do not related with the shop are not available in the list.

3. Specify the period in the following way:
  - a. From the **Receiving data period** drop-down list select the time period for which the report is to be created **(3)**.
  - b. If the **User** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the  button near the corresponding field to use the **Calendar** tool.
  - c. If the **User 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.
  - d. Other options are also available:



4. Specify the data averaging interval in minutes **(4)**.
5. Set the **Chart** checkbox to display the report as a chart **(5)**.
6. In the **Layout** drop-down list select the report orientation (landscape or portrait) **(6)**.
7. Set the **Delete zero values** checkbox in order to not display the open POS terminals in the report if their number equals zero **(7)**.
8. Click **Execute** to start the report generation **(8)**.

As a result, a summary table or a chart will be displayed containing the number of open POS terminals in accordance with the specified parameters. In the report is displayed as a chart, then the number of open POS terminals will be displayed along the vertical line, and the time corresponding to the number of open POS terminals will be displayed along the horizontal line.



You can export the generated report (see [Exporting of reports](#)).

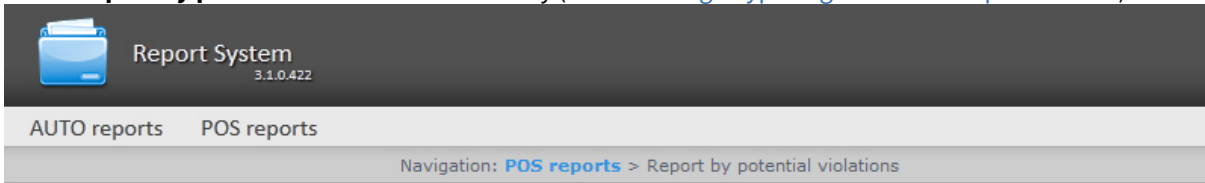
### 8.1.1.8 Report by potential violations

Rus

In order to display a report by cashier do the following:



1. Select **Report by potential violations** in one way (see [Selecting a type of general POS report](#) section).





### Report by potential violations

Parameter	Value
Cashiers:	Choose: <b>All, None</b> <b>2</b> <div style="border: 1px solid black; padding: 5px;"> <input checked="" type="checkbox"/> Bill Smith  <input checked="" type="checkbox"/> Carlton Cole  <input checked="" type="checkbox"/> Jeff Carter  <input checked="" type="checkbox"/> Joe Black  <input checked="" type="checkbox"/> John Dawson  <input checked="" type="checkbox"/> John Pisani  <input checked="" type="checkbox"/> Lisa Young  <input checked="" type="checkbox"/> Mary Ashley  <input checked="" type="checkbox"/> Max Lopez  <input checked="" type="checkbox"/> Natalie Moore                     </div> <b>1</b>
Violation:	[all] <b>3</b>
Description:	
Procedure:	
Display data by processing time:	<input type="checkbox"/> <b>4</b>
Period:	Selected day   05/15/2007 <b>5</b>
Status group:	[all] <b>6</b>
<b>Execute</b> <b>7</b>	

2. Select cashiers by whom it is necessary to display a report by setting corresponding checkboxes checked in the list **(1)**.

**Note.**  
 In order to set checkboxes checked in every item of the list click **All**, to set all checkboxes unchecked click **None** **(2)**.

3. Select potential violations which should be displayed in a report **(3)**. If **All** is selected then all types of violations will be displayed in a report.
4. Set the **Display data by processing time:** checkbox to add time waisted by operator for choosing the event status **(4)**. Time between selecting the string in the detailed report and changing the event status of this string is counted. If the checkbox is not set, the processing time will not be calculated and displayed in the report.
5. Specify the period in the following way:
  - a. From the **Period:** drop-down list select the time period for which the report is to be created **(5)**.
  - b. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the  button near the corresponding field to use the **Calendar** tool.
  - c. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.  
 If another period type is selected, specifying the date of start and end periods is not needed.

6. Enter a period of time (in minutes) between load values in the **Step (min.)** field (2). The average values of queue length for the specified interval are displayed in the report.
7. Specify a group of statuses of those potential violations that should be displayed in a report (6). If **All** is selected then all violations are displayed regardless of their status.
8. Click **Execute** (7).

As a result a general table of potential violations according to the specified parameters is displayed. In the **Total** column the total amount of potential violations is displayed by their type. In the column called by cashier name the amount of potential violations registered for this cashier is displayed by their type.

POS reports

Navigation: [POS reports](#) > [Report by potential violations](#) > General report

Status group:  ▼

	Name	Total	Bill Smith
❗	Cancellation of all the goods in the check followed by the addition of positions on the same receipt	0 (0:00)	0 (0:00)
❗	Unauthorized reduction in the price of the goods	1030 (0:28)	1030 (0:28)
❗	Unauthorized increase in the price of the goods	1030 (0:28)	1030 (0:28)
❗	Intended ignoring some goods	350 (0:00)	350 (0:00)
❗	Intended change of how the goods look	1261 (0:00)	1261 (0:00)
❗	Erroneous double scanning	0 (0:00)	0 (0:00)
❗	DISABLED: Unintended change of how the goods look ("Enter product code" number needed)	0 (0:00)	0 (0:00)
❗	Ignoring some goods while scanning	0 (0:00)	0 (0:00)
❗	Errors while canceling the quantity of goods	0 (0:00)	0 (0:00)
❗	Cash register reset by the cashier	0 (0:00)	0 (0:00)
❗	Not giving the receipt to the customer	0 (0:00)	0 (0:00)
❗	Recounting contents of the cash register	1 (0:00)	1 (0:00)
❗	Intended reduction in the number of the goods	0 (0:00)	0 (0:00)
❗	Cancellation of the receipt when the administrator is absent	0 (0:00)	0 (0:00)
❗	Intended ignoring some goods using the "Product info" button	0 (0:00)	0 (0:00)

**Save**

In order to save a general report by cashier in.xls format click **Save**.

## 8.1.2 Detailed reports

Rus

One can view and process the following detailed reports by event:

1. for specific cashier/POS terminal/POS operator;
2. for all cashiers/POS terminals/POS operators.

A detailed report enables viewing data from the POS terminal that corresponds to the POS event. It also enables viewing an event archive (if there are relevant settings in *POS Intellect* software package).

Detailed reports are created on the basis of corresponding general reports (e.g. a detailed report by cashier is created on the basis of a general report by cashier).

### 8.1.2.1 Viewing a detailed report

Rus

In order to view a detailed report, do the following:

1. Display a corresponding general report.

Navigation: [POS reports](#) > [Report by POS](#) > General report

Status group:  Events:

Number	Name	Total	POS terminal 1
1	User deregistration	<u>26</u>	<u>26</u>
2	Start	<u>213</u>	<u>213</u>
3	End	<u>238</u>	<u>238</u>
4	Addition of good to document	<u>712</u>	<u>712</u>
5	Change prise of good in document	<u>78</u>	<u>78</u>
6	Discounting (extra price) for good	<u>288</u>	<u>288</u>
7	Payment	<u>212</u>	<u>212</u>
8	Total	<u>238</u>	<u>238</u>
9	Payment	<u>238</u>	<u>238</u>
10	Document printing	<u>238</u>	<u>238</u>

**Save**

2. Click the link in the cell corresponding to a necessary event and a cashier/POS terminal/ POS operator. To display a detailed report by event for all cashiers/POS terminals/ POS operators click the corresponding link in the **Total** cell.

Number	Name	Total	POS terminal 1
1	User deregistration	<u>26</u>	<u>26</u>
2	Start	<u>213</u>	<u>213</u>
3	End	<u>238</u>	<u>238</u>
4	Addition of good to document	<u>712</u>	<u>712</u>
5	Change prise of good in document	<u>78</u>	<u>78</u>
6	Discounting (extra price) for good	<u>288</u>	<u>288</u>
7	Payment	<u>212</u>	<u>212</u>
8	Total	<u>238</u>	<u>238</u>
9	Payment	<u>238</u>	<u>238</u>
10	Document printing	<u>238</u>	<u>238</u>

3. As a result the required detailed report by event is displayed.

Report System 3.1.0.474

AUTO reports General reports Visitors behavior analysis People Counter detectors POS reports Queue Length detectors Time and Attendance reports

Navigation: POS reports > Report by POS > General report > Detailed report

Choose event to see the receipt contents

Events: Addition of good to document / POS terminal 1														
	Store	POS	Date/time	Full Name	Cashier No.	Receipt number	Code	Name	Price	Total	Receipt total	Cash	Change	Status
1	Shop 1	POS terminal 1	10/19/2015 4:28:15	Bill Smith	7850	2644	47909	Sausage Doktorskay:	44.70	44.70	63.30	63.30	0.00	Event not processed
2	Shop 1	POS terminal 1	10/19/2015 4:28:15	Bill Smith	7850	2644	31157	Instant noodles	9.30	18.60	63.30	63.30	0.00	Event not processed
3	Shop 1	POS terminal 1	10/19/2015 4:28:18	Bill Smith	7850	2645	1347	Banannas - 1kg	42.90	30.20	179.53	500.00	320.47	Non-violation
4	Shop 1	POS terminal 1	10/19/2015 4:28:19	Bill Smith	7850	2645	50865	Kefir	29.20	29.20	179.53	500.00	320.47	Event not processed
5	Shop 1	POS terminal 1	10/19/2015 4:28:20	Bill Smith	7850	2645	52304	Butter 82,5% 450g R	108.10	108.10	179.53	500.00	320.47	Event not processed
6	Shop 1	POS terminal 1	10/19/2015 4:28:20	Bill Smith	7850	2645	36802	Bread	13.40	13.40	179.53	500.00	320.47	Moderate violation de
7	Shop 1	POS terminal 1	10/19/2015 4:28:25	Bill Smith	7850	2646	24743	Кура гриль Окорок	1179.00	66.23	106.23	106.23	0.00	Event not processed
8	Shop 1	POS terminal 1	10/19/2015 4:28:25	Bill Smith	7850	2646	23807	Dried apricots	25.10	25.10	106.23	106.23	0.00	Event not processed
9	Shop 1	POS terminal 1	10/19/2015 4:28:26	Bill Smith	7850	2646	50029	Sunflower seed oil	14.90	14.90	106.23	106.23	0.00	Event not processed
10	Shop 1	POS terminal 1	10/19/2015 4:28:29	Bill Smith	7850	2647	1206	Package (small) 1iter	2.00	2.00	2.00	2.00	0.00	Event not processed

All detailed reports are the same in the structure and represent the table that consists of the following columns:

1. Store where the event happened;
2. Number of POS terminal where the event happened;
3. Date and time of event registration;
4. Full name of cashier for whom the event was registered;
5. Number of cashier;
6. Receipt number in which the event was registered;
7. Code;
8. Name;
9. Price;
10. Quantity;
11. Total sum;
12. Receipt total;
13. Cash;
14. Change;
15. Previous status of event;
16. Current status of event;
17. POS operator who gave the current status to the event;
18. Date and time of last status change.

### 8.1.2.2 Viewing data from the POS terminal and the video of event

Rus

In order to view data from the POS terminal and video of event, do the following:

## 1. Display a detailed report.

Report System  
3.1.0.428

POS reports

Navigation: POS reports > Report by cashier > General report > Detailed report

3

Receipt: 2648 Date: 20.07.10 Time: 10:44:33 Cashier: Bill Smith  
 Barcode: 460631000538 \* 1 = 63.30 rub.  
 460631000538 \* 1 = 63.30 rub.  
 460702499042 \* 1 = 29.2 rub.  
 Discounting (extra price) of good: 4606419002121 \* 1 = 108.1 rub.  
 Discounting (extra price) of good: 460631000538 \* 1 = 63.30 rub.

2

Print

Cashier: Bill Smith/ Receipt number: 2645

Data	Date/time
Receipt: 2645	
Date: 26.05.10	
Time: 10:42:31	2015/07/20 11:12:24 AM
Cashier: Bill Smith	
ID: 7850	
Bananas - 1kg 1347	
42.9 rub. * 0.704 = 30.2 rub.	2015/07/20 11:12:24 AM
4608325169455	
Kefir 50865	
29.2 rub. * 1 = 29.2 rub.	2015/07/20 11:12:25 AM
4606419002121	
Butter 82,5% 450g Russia 52304	
108.1 rub. * 1 = 108.1 rub.	2015/07/20 11:12:26 AM
4600631000538	

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Events: Payment / Bill Smith

	Store	POS	Date/time	Full Name	Cashier No.	Receipt number	Receipt total	Cash	Change	Status
1	Shop 1	1 POS terminal 1	7/20/2015 11:12:23 AM	Bill Smith	7850	2644	63.30	63.30	0.00	Event not processed (by default)
2	Shop 1	POS terminal 1	7/20/2015 11:12:29 AM	Bill Smith	7850	2645	179.53	500.00	320.47	Non-violation
3	Shop 1	POS terminal 1	7/20/2015 11:12:33 AM	Bill Smith	7850	2646	106.23	106.23	0.00	Event not processed (by default)
4	Shop 1	POS terminal 1	7/20/2015 11:12:36 AM	Bill Smith	7850	2647	2.00	2.00	0.00	Event not processed (by default)
5	Shop 1	POS terminal 1	7/20/2015 11:12:42 AM	Bill Smith	7850	2648	229.22	500.00	270.78	Event not processed (by default)
6	Shop 1	POS terminal 1	7/20/2015 11:12:53 AM	Bill Smith	7850	2649	379.40	1000.00	620.60	Serious violation detected
7	Shop 1	POS terminal 1	7/20/2015 11:13:00 AM	Bill Smith	7850	2650	155.13	155.13	0.00	Moderate violation detected
8	Shop 1	POS terminal 1	7/20/2015 11:13:04 AM	Bill Smith	7850	2651	106.33	110.00	3.67	Event not processed (by default)
9	Shop 1	POS terminal 1	7/20/2015 11:13:06 AM	Bill Smith	7850	2652	40.90	40.90	0.00	Event not processed (by default)

2. Left-click the line with the required event (1).

3. As a result data from the POS terminal by event (2) and video events (3) are displayed in the provided windows.

Window for viewing the video by event is a standard *Intellect* video surveying window that is open in the archive mode. One can view the archive not only by the current event but also by other events.

**Note.**

Working with video surveying window in the archive mode is given in details in [Intellect software package. Operator's guide](#).

**Note.**

Video can not be displayed (it depends on whether the requirements for Web server and/or Client realization are performed – see the [Requirements for Intellect Web Report System realization](#) section).

**Note.**

The view of displayed data from the POS terminal and video events can be changed by selecting the needed layout (see [Selecting layouts in POS reports](#) section).

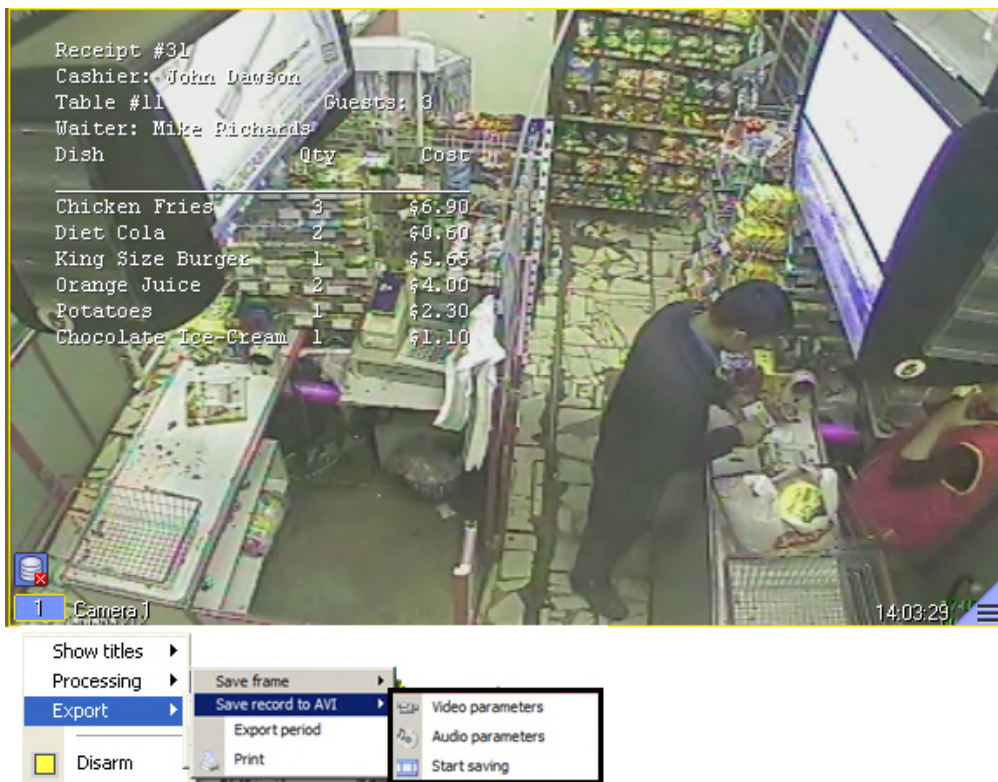
## 8.1.2.3 Exporting the video

Rus

The video recording segment is exported using the playback control panel.

Choose **Export** in the functions menu of the video surveillance window and then select **Save Recording to AVI**.





Parameters of the video and audio, which will be saved, may be configured in the displayed window. As soon as recording saving parameters are selected, the video segment may be exported to the file by selecting the **Start Saving** command (exporting the video is given in details in the [Export of Silent Video Recordings](#) section in *Intellect software package. Operator's guide*).

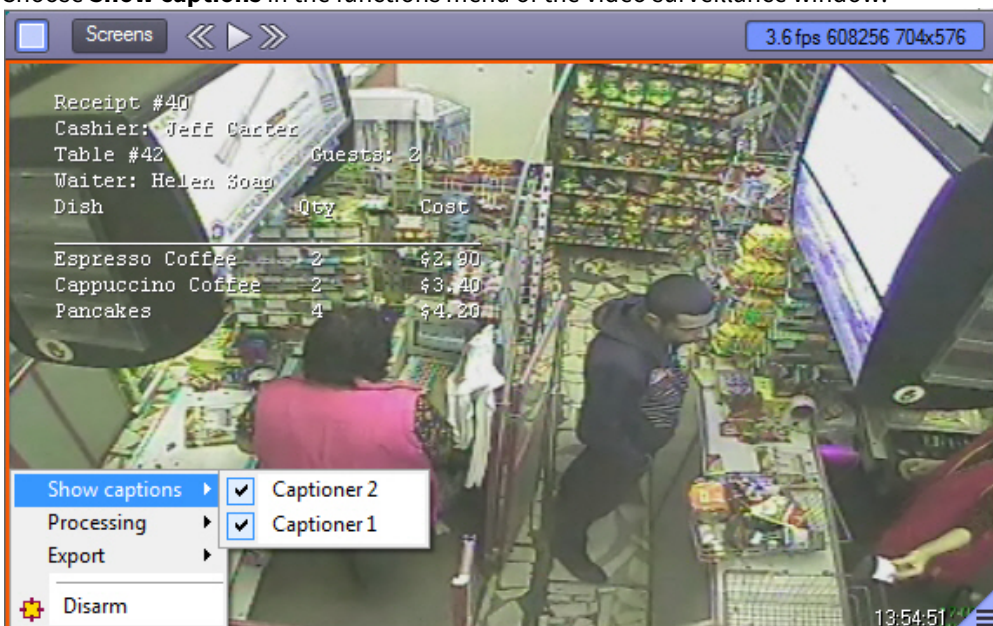
On default, exporting the video is performed to the *My documents\Export* folder.

### 8.1.2.4 Disabling captions in the video surveying window

Rus

To disable captions in the video surveying window, do the following:

1. Choose **Show captions** in the functions menu of the video surveillance window.



2. In the displayed list of available captioners select those from which captions are to be received.

3. To disable captions from some captioners left-click the line with the required captioner.

### 8.1.2.5 Changing the event status

Rus


**Attention!**  
For this operation the user should be added to the POS expert role.

In order to change the event status, do the following:

1. Display a detailed report.

POS reports

Navigation: POS reports > Report by cashier > General report > Detailed report



Receipt: 2649 Date: 26.05.10 Time: 10:45:15 Cashier: Bill Smith  
4601075690001 Milk 2,4% 2L 45849 62.7 rub. \* 1 = 62.7 rub.  
4607023231907 Cheese 50% 300g 46359 94.4 rub. \* 1 = 94.4 rub.  
Meat lkg 28179 103.9 rub. \* 0.5021 = 50.23 rub.  
90005169 Dishwashing detergent 500ml Russia 48891 22.8 rub. \* 1 = 22.8 rub.  
Change price of good: Dishwashing detergent 500ml Russia 48891 11.1 rub. \* 1 = 11.1 rub.  
460121800004 Milk 3% 1.5l Russia 48791 24.2 rub. \* 1 = 24.2 rub.  
4602701001285 Bread 26448 17.9 rub. \* 1 = 17.9 rub.  
Change price of good: Bread 26448 16.9 rub. \* 1 = 16.9 rub.

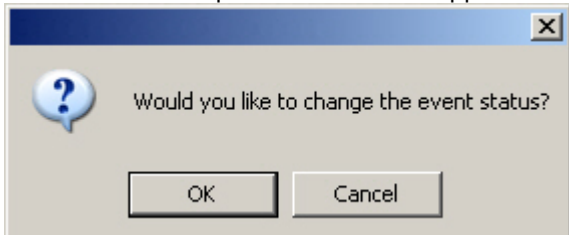
Cashier: Bill Smith/ Receipt number: 2645

Data	Date/time
Receipt: 2645 Date: 26.05.10 Time: 10:42:31 Cashier: Bill Smith ID: 7850	2015/07/20 11:12:24 AM
Bananas - 1kg 1347 42.9 rub. * 0.704 = 30.2 rub.	2015/07/20 11:12:24 AM
4608325169455 Kefir 50865 29.2 rub. * 1 = 29.2 rub.	2015/07/20 11:12:25 AM
4606419002121 Butter 82,5% 450g Russia 52304 108.1 rub. * 1 = 108.1 rub.	2015/07/20 11:12:26 AM
4600631000538 Bread 36802 13.4 rub. * 1 = 13.4 rub. Discounting (extra price) of good	2015/07/20 11:12:26 AM

Events: Payment / Bill Smith

	Store	POS	Date/time	Full Name	Cashier No.	Receipt number	Receipt total	Cash	Change	Status
1	Shop 1	POS terminal 1	7/20/2015 11:12:23 AM	Bill Smith	7850	2644	63.30	63.30	0.00	Event not processed (by default)
2	Shop 1	POS terminal 1	7/20/2015 11:12:29 AM	Bill Smith	7850	2645	179.53	500.00	320.47	Non-violation
3	Shop 1	POS terminal 1	7/20/2015 11:12:33 AM	Bill Smith	7850	2646	106.23	106.23	0.00	Event not processed (by default)
4	Shop 1	POS terminal 1	7/20/2015 11:12:36 AM	Bill Smith	7850	2647	2.00	2.00	0.00	Non-violation
5	Shop 1	POS terminal 1	7/20/2015 11:12:42 AM	Bill Smith	7850	2648	229.22	500.00	270.78	Possibly violation
6	Shop 1	POS terminal 1	7/20/2015 11:12:53 AM	Bill Smith	7850	2649	379.40	1000.00	620.60	Minor violation detected
7	Shop 1	POS terminal 1	7/20/2015 11:13:00 AM	Bill Smith	7850	2650	155.13	155.13	0.00	Moderate violation detected
8	Shop 1	POS terminal 1	7/20/2015 11:13:04 AM	Bill Smith	7850	2651	106.33	110.00	3.67	Event not processed (by default)
9	Shop 1	POS terminal 1	7/20/2015 11:13:06 AM	Bill Smith	7850	2643	40.90	40.90	0.00	Event not processed (by default)

2. Left-click in the **Status** field. As a result the list of available statuses is displayed.
3. Left-click on the required status. In the appeared window confirm the status changing by clicking **OK**.



### 8.1.2.6 Viewing the history of event status changing

Rus

In order to view the history of event status changing, do the following:

1. Display a detailed report.

POS reports Time and Attendance reports

Navigation: POS reports > Report by cashier > General report > Detailed report

Events: Calculation / Total

Store	POS	Date/time	Full Name	Receipt num	Receipt total	Cash	Chan	Previous status	Status	Oper	Status update
1 Shop №1	POS- terminal	11/15/2011 1:19:29	Jonson K.	1511	85.6	100	14.4	Event not proce	Serious violation dete	rs	11/5/2011 10
2 Shop №1	POS- terminal	11/15/2011 1:19:33	Smith G.	1892	85.6	100	14.4		Event not processed	—	—
3 Shop №1	POS- terminal	11/15/2011 1:19:38	Anderson H.	1546	85.6	100	14.4	Event not proce	Non-violation	rs	11/5/2011 10
4 Shop №1	POS- terminal	11/15/2011 1:19:42	Walsh L.	1905	85.6	100	14.4	Possibly violati	Minor violation detec	rs	11/5/2011 10
5 Shop №1	POS- terminal	11/15/2011 1:19:46	Walsh L.	1098	85.6	100	14.4		Event not processed	—	—

- Left-click the link in the **Status update** field where the date and time of last status changing is displayed (if there is any status for event).
- As a result the **History of event status changing** page appears where the following data is displayed: status name, name of operator who gave the status, and time of status change

History of event status changing: Events: Calculation / Total - Windows Internet Explorer

http://localhost:8081/reports/Pos/Home/StatusHistory?eventID=2a238eef-6a0f-e111-bd28-005056c00008&eventName=Events%3A%20Calculation%

History of event status changing

	Status name	Operator's name	Time of status change
1	Minor violation detected	rs	2011/11/05 10:25:05 AM
2	Possibly violation	rs	2011/11/05 10:20:02 AM

8.1.2.7 Search in detailed reports

Rus


To perform the search in detailed reports, do the following:

1. Display a detailed report.

Report System 3.1.0.428

POS reports

Navigation: POS reports > Report by POS > General report > Detailed report



Receipt: 2645 Date: 26.05.10 Time: 10:42:31 Cashier: Bill Smith  
4601075990001 Milk 2.0% 2L 49.99 62.7 rub. \* 1 = 62.7 rub.  
4607023231907 Cheese 50% 500g 49.58 94.4 rub. \* 1 = 94.4 rub.  
Meat 1kg 26179.169.9 rub. \* 0.9021 = 70423. rub.  
90005169 Dishwashing detergent 500ml Russia 48801 22.9 rub. \* 1 =  
Change price of 900051 Dishwashing detergent 500ml Russia 48801 11  
4601212000094 Mineral water 1.5L Russia 49701 29.5 rub. \* 1 = 29.5  
4602701001285 Bread 36340 17.9 rub. \* 1 = 17.9 rub.  
Change price of 460270 Bread 36340 15.9 rub. \* 1 = 15.9 rub.

Cashier: Bill Smith / Receipt number: 2645

Data	Date/time
Receipt: 2645	
Date: 26.05.10	
Time: 10:42:31	2015/07/20 11:12:24 AM
Cashier: Bill Smith	
ID: 7850	
Banannas - 1kg 1347	
42.9 rub. * 0.704 = 30.2 rub.	2015/07/20 11:12:24 AM
4608325169455	
Kefir 50865	
29.2 rub. * 1 = 29.2 rub.	2015/07/20 11:12:25 AM
4606419002121	
Butter 82,5% 450g Russia 52304	
108.1 rub. * 1 = 108.1 rub.	2015/07/20 11:12:26 AM
4600631000538	
Bread 36802	
13.4 rub. * 1 = 13.4 rub.	2015/07/20 11:12:26 AM
Discounting (extra price) of good	


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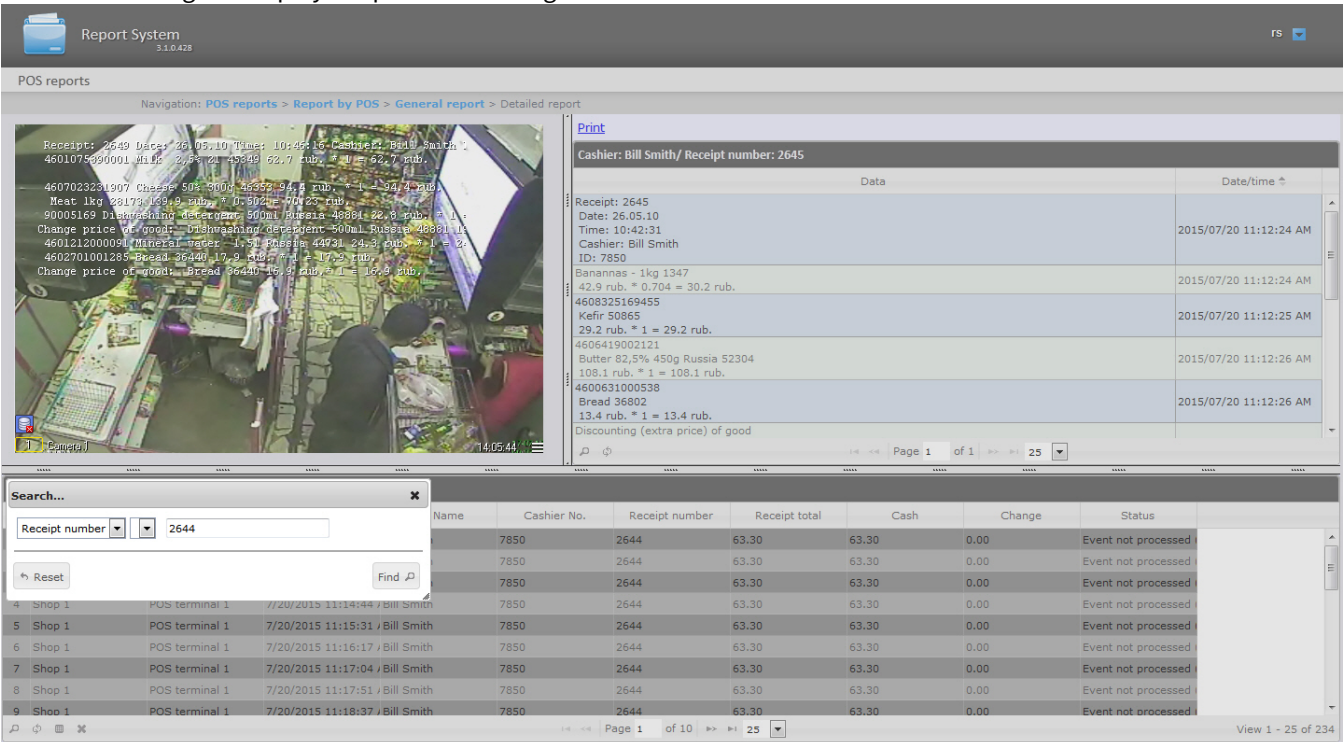
Events: End / POS terminal 1

Store	POS	Date/time	Full Name	Cashier No.	Receipt number	Receipt total	Cash	Change	Status
1 Shop 1	POS terminal 1	7/20/2015 11:12:23	Bill Smith	7850	2644	63.30	63.30	0.00	Event not processed
2 Shop 1	POS terminal 1	7/20/2015 11:12:3	Bill Smith	7850	2645	179.53	500.00	320.47	Event not processed
3 Shop 1	POS terminal 1	7/20/2015 11:12:34	Bill Smith	7850	2646	106.23	106.23	0.00	Event not processed
4 Shop 1	POS terminal 1	7/20/2015 11:12:37	Bill Smith	7850	2647	2.00	2.00	0.00	Event not processed
5 Shop 1	POS terminal 1	7/20/2015 11:12:43	Bill Smith	7850	2648	229.22	500.00	270.78	Event not processed
6 Shop 1	POS terminal 1	7/20/2015 11:12:54	Bill Smith	7850	2649	379.40	1000.00	620.60	Event not processed
7 Shop 1	POS terminal 1	7/20/2015 11:13:00	Bill Smith	7850	2650	155.13	155.13	0.00	Event not processed
8 Shop 1	POS terminal 1	7/20/2015 11:13:05	Bill Smith	7850	2651	106.33	110.00	3.67	Event not processed
9 Shop 1	POS terminal 1	7/20/2015 11:13:07	Bill Smith	7850	2643	40.90	40.90	0.00	Event not processed

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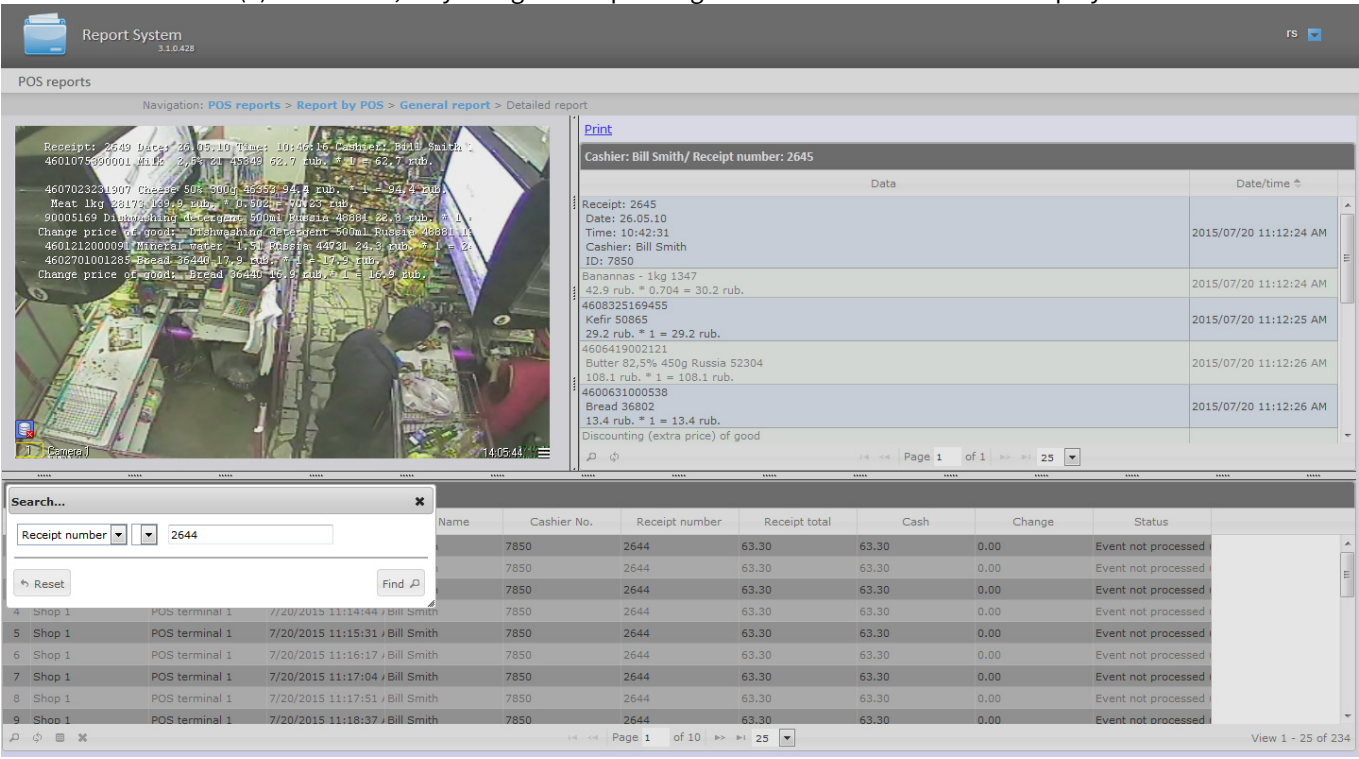
2. Click the  sign to display the panel of forming the search criteria.



The screenshot shows the 'Report System' interface with a search panel open. The search panel has a dropdown menu set to 'Receipt number' and a text input field containing '2644'. A 'Find' button is visible. Below the search panel, a table displays receipt data. The table has columns: Name, Cashier No., Receipt number, Receipt total, Cash, Change, and Status. The data rows show multiple receipts for cashier 7850 with receipt number 2644, all with a total of 63.30 and status 'Event not processed'.

Name	Cashier No.	Receipt number	Receipt total	Cash	Change	Status		
	7850	2644	63.30	63.30	0.00	Event not processed		
	7850	2644	63.30	63.30	0.00	Event not processed		
	7850	2644	63.30	63.30	0.00	Event not processed		
4 Shop 1	POS terminal 1	7/20/2015 11:14:44 / Bill Smith	7850	2644	63.30	63.30	0.00	Event not processed
5 Shop 1	POS terminal 1	7/20/2015 11:15:31 / Bill Smith	7850	2644	63.30	63.30	0.00	Event not processed
6 Shop 1	POS terminal 1	7/20/2015 11:16:17 / Bill Smith	7850	2644	63.30	63.30	0.00	Event not processed
7 Shop 1	POS terminal 1	7/20/2015 11:17:04 / Bill Smith	7850	2644	63.30	63.30	0.00	Event not processed
8 Shop 1	POS terminal 1	7/20/2015 11:17:51 / Bill Smith	7850	2644	63.30	63.30	0.00	Event not processed
9 Shop 1	POS terminal 1	7/20/2015 11:18:37 / Bill Smith	7850	2644	63.30	63.30	0.00	Event not processed

- From the drop-down list (1) select the parameter on which the search will be performed.
- From the drop-down list (2) select the criteria for search.
- In the field (3) enter the required value for search.
- Click the **Find** button (5). As a result, only strings corresponding to the search criteria will be displayed in the list.



This screenshot is identical to the previous one, but the 'Reset' button in the search panel is highlighted with a red circle, indicating the next step in the process.

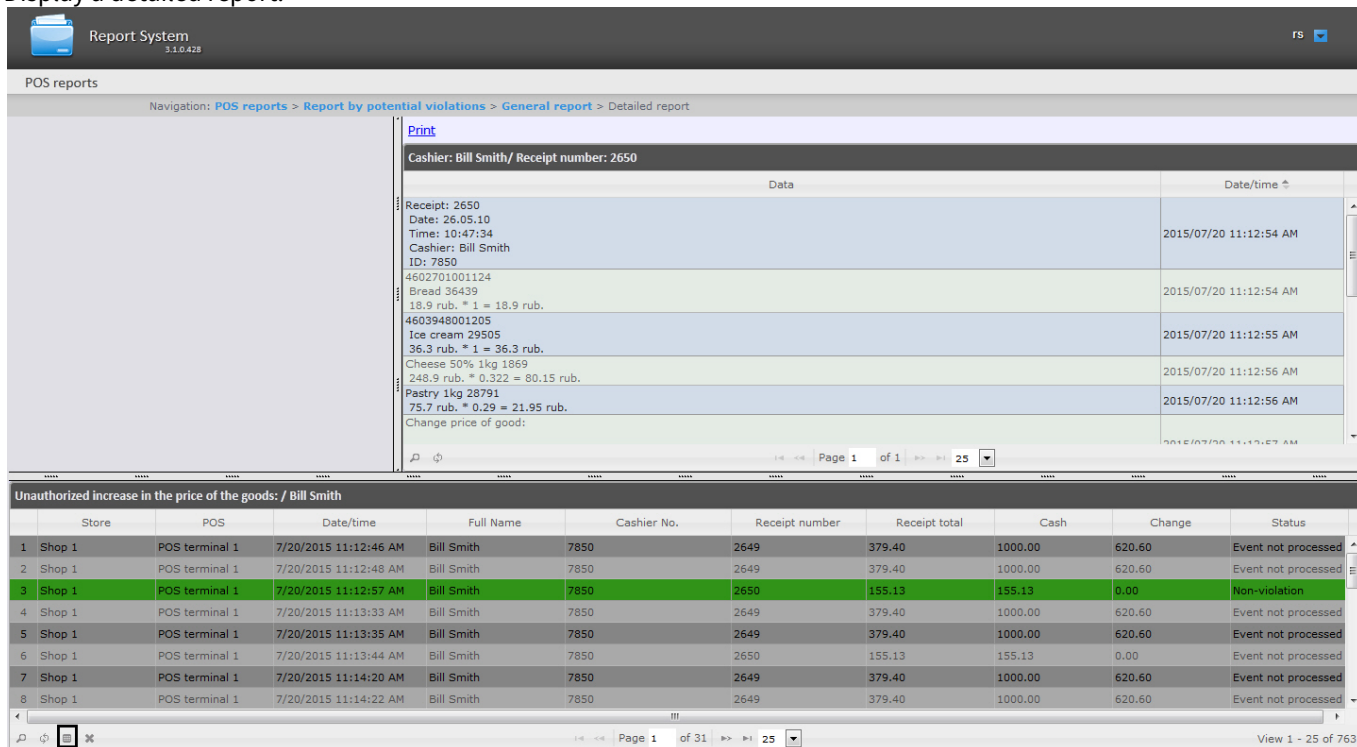
7. To reset the search criteria click the **Reset** button (4).

### 8.1.2.8 Select columns in detailed reports

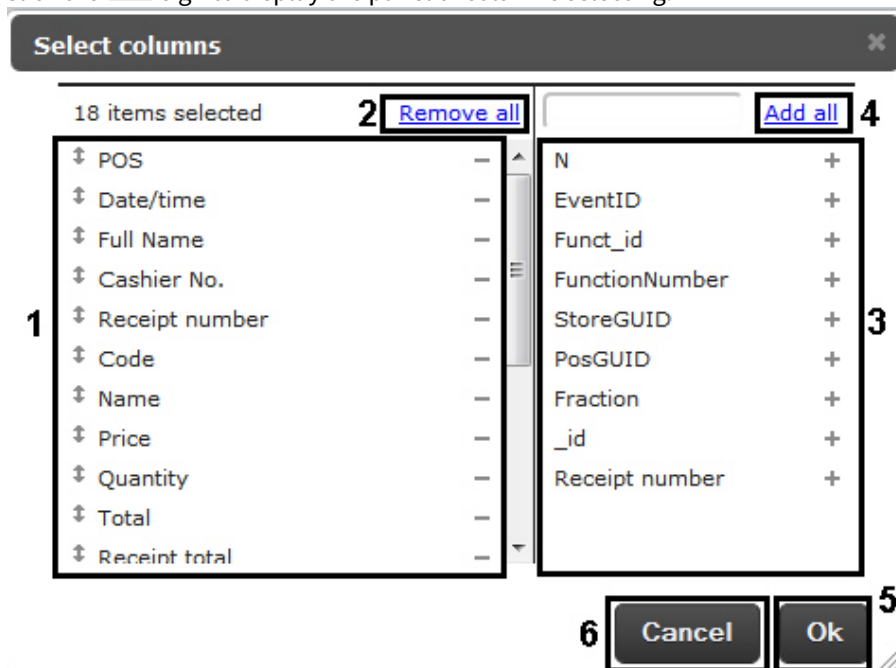
Rus

To select columns in detailed reports, do the following:

1. Display a detailed report.



2. Click the sign to display the panel of columns selecting.



3. To remove column click the sign next to the name of corresponding column in the area (1). To remove all columns, click the **Remove all** link (2).
4. To add column click the sign next to the name of corresponding column in the area (3). To add all columns, click the **Add all** link (4).
5. To change the order of columns, drag the column name to the required position in the area (1).

6. To save the changes, click **Ok** (5).
7. To cancel the changes, click **Cancel** (6).

### 8.1.2.9 Rollback the column settings in detailed reports

Eng

To rollback the column settings in detailed reports, do the following:

1. Display a detailed report.

Report System 3.1.0.428

POS reports

Navigation: POS reports > Report by potential violations > General report > Detailed report

Print

Cashier: Bill Smith / Receipt number: 2650

Data	Date/time
Receipt: 2650 Date: 26.05.10 Time: 10:47:34 Cashier: Bill Smith ID: 7850	2015/07/20 11:12:54 AM
4602701001124 Bread 36439 18.9 rub. * 1 = 18.9 rub.	2015/07/20 11:12:54 AM
4603948001205 Ice cream 29505 36.3 rub. * 1 = 36.3 rub.	2015/07/20 11:12:55 AM
Cheese 50% 1kg 1869 248.9 rub. * 0.322 = 80.15 rub.	2015/07/20 11:12:56 AM
Pastry 1kg 28791 75.7 rub. * 0.29 = 21.95 rub.	2015/07/20 11:12:56 AM
Change price of good:	2015/07/20 11:12:57 AM

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Unauthorized increase in the price of the goods: / Bill Smith

	Store	POS	Date/time	Full Name	Cashier No.	Receipt number	Receipt total	Cash	Change	Status
1	Shop 1	POS terminal 1	7/20/2015 11:12:46 AM	Bill Smith	7850	2649	379.40	1000.00	620.60	Event not processed
2	Shop 1	POS terminal 1	7/20/2015 11:12:48 AM	Bill Smith	7850	2649	379.40	1000.00	620.60	Event not processed
3	Shop 1	POS terminal 1	7/20/2015 11:12:57 AM	Bill Smith	7850	2650	155.13	155.13	0.00	Non-violation
4	Shop 1	POS terminal 1	7/20/2015 11:13:33 AM	Bill Smith	7850	2649	379.40	1000.00	620.60	Event not processed
5	Shop 1	POS terminal 1	7/20/2015 11:13:35 AM	Bill Smith	7850	2649	379.40	1000.00	620.60	Event not processed
6	Shop 1	POS terminal 1	7/20/2015 11:13:44 AM	Bill Smith	7850	2650	155.13	155.13	0.00	Event not processed
7	Shop 1	POS terminal 1	7/20/2015 11:14:20 AM	Bill Smith	7850	2649	379.40	1000.00	620.60	Event not processed
8	Shop 1	POS terminal 1	7/20/2015 11:14:22 AM	Bill Smith	7850	2649	379.40	1000.00	620.60	Event not processed

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2. Click the  icon to revert the column settings.

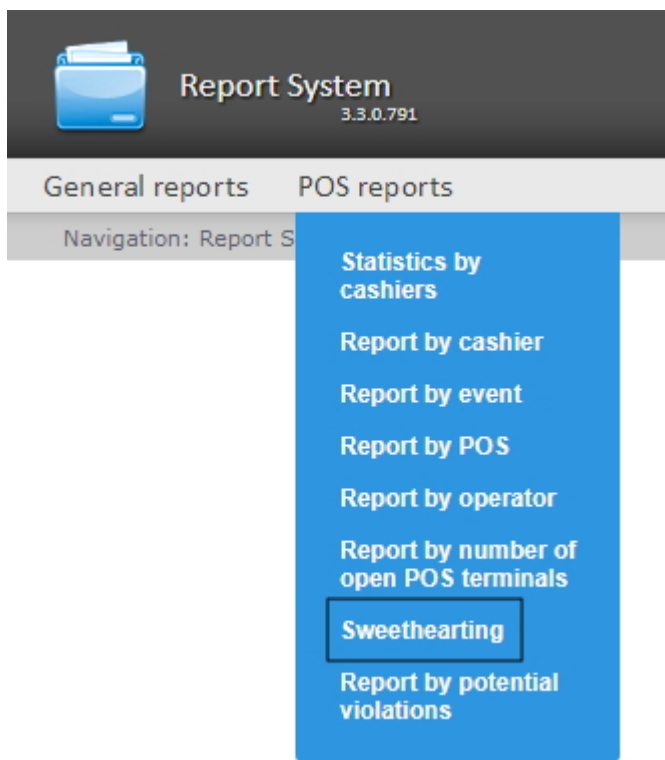
After the button is clicked, all the custom settings of the report table (see [Select columns in detailed reports](#)) will be reverted and the table will get its default look.

### 8.1.3 Sweethearting monitor

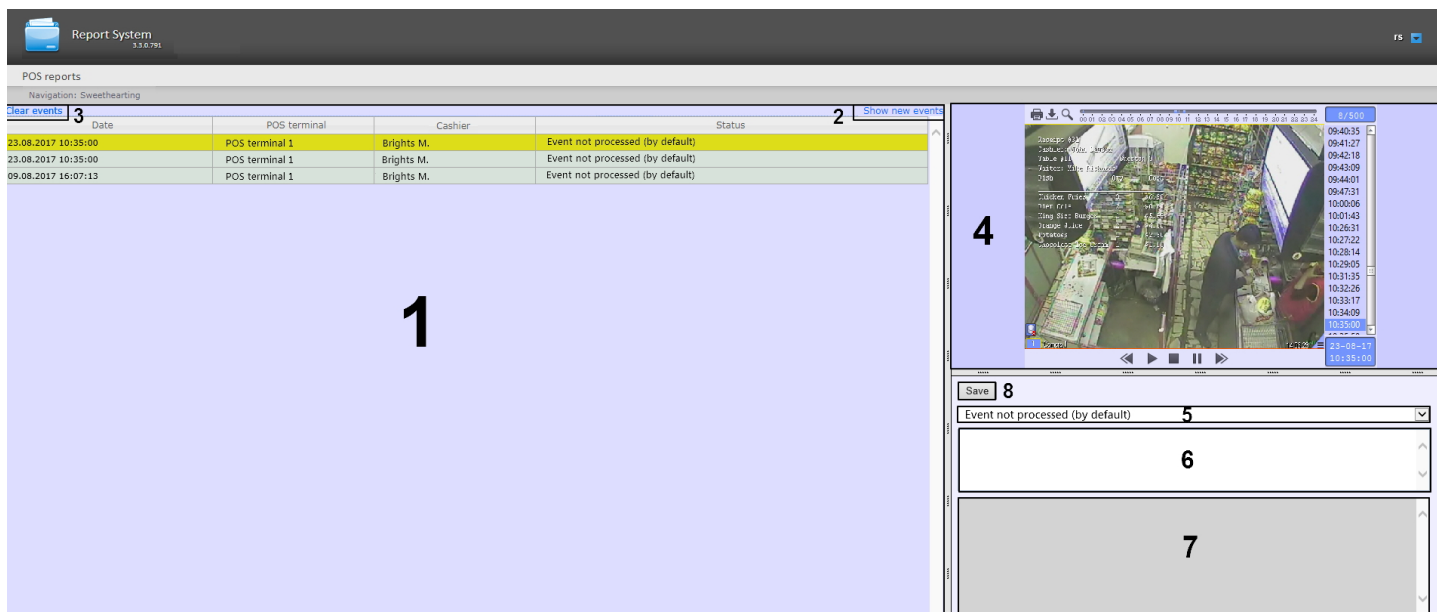
Rus

The **Sweethearting** detailed report enables real-time monitoring of goods scanning events by cashiers in order to prevent intentional theft by carrying goods past the barcode scanner (so-called *sweethearting*).

Unlike other detailed reports, going to which is performed from the corresponding general reports, the **Sweethearting** report is available as an individual menu item at **POS reports > Sweethearting**.



The interface of the **Sweethearding** monitor is shown in the picture below.



The **Sweethearding** report is generated automatically based on the data from the **Sweethearding detection** module, which is part of the *Intellect Detector Pack*. For more information on the detector, see [Detector Pack. User Guide](#).

**Important!**

Events appear in the report only if there is no **Add goods** event at the same second as the event from the **Sweethearding detection** object of POS-Intellect.

The goods scanning events are loaded into the table (1), ranging from the newest to the oldest. Each of the events is provided with the following summary information:

- **Date** - the date and time at which the goods were recognized and identified at the cash register;

- **POS terminal** - the POS-terminal on which the goods were recognized;
- **Cashier** - the full name of the cashier, who was supposed to make a scan;
- **Status** - the status of the event, which is determined by the operator of the Web Report System, working with the **Sweetheating** monitor.

In order to load events into the table, click the **Show new events** link in the upper-right part of the table (2). Similarly, you can optionally update the event table.

In order to clear the event table, click the **Clear events** link in the upper-left part of the table (3).

In order to view the details of an event and a video image, select the event in the list by clicking on the corresponding row in the table. After that, the following elements will become available in the right part of the screen:

1. The video of the event with the indication of the time when the event was recorded and the possibility of viewing in the archive mode (4).

#### Note

Working with video surveillance window in the archive mode is given in details in [Intellect software package. Operator's guide](#).

2. The dropdown list for selecting the status of the event (5). By default, all events have the **Event not processed (by default)** status. Having examined the video, the operator of the Web Report System, working with the **Sweetheating** monitor, can manually assign the event one of the following statuses:
  - a. Non-violation
  - b. Possibly violation
  - c. Minor violation detected
  - d. Moderate violation detected
  - e. Serious violation detected
3. The text field for operator comment (6). If necessary, the operator can leave his comment to the event (no more than five lines).
4. The field for program log output, unavailable for editing (7).
5. The **Save** button to save the event changes (new status and comment) (8).

The **Sweetheating** report is unavailable for export and can only be viewed in the monitoring mode. It is possible to export the video image from the event processing window, as described in the [Exporting the video](#) section.

## 8.2 Working with Time and Attendance reports

Rus

Working with Time and Attendance reports consists of three stages:

1. Selecting a type of report.
2. Creating a report.
3. Viewing a report.

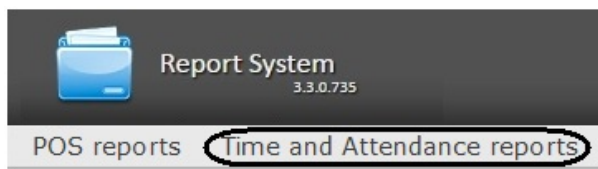
#### Attention!

It's required to configure user access to departments for working with Time and Attendance reports (see the [Setting up the Time and Attendance reports](#) section).

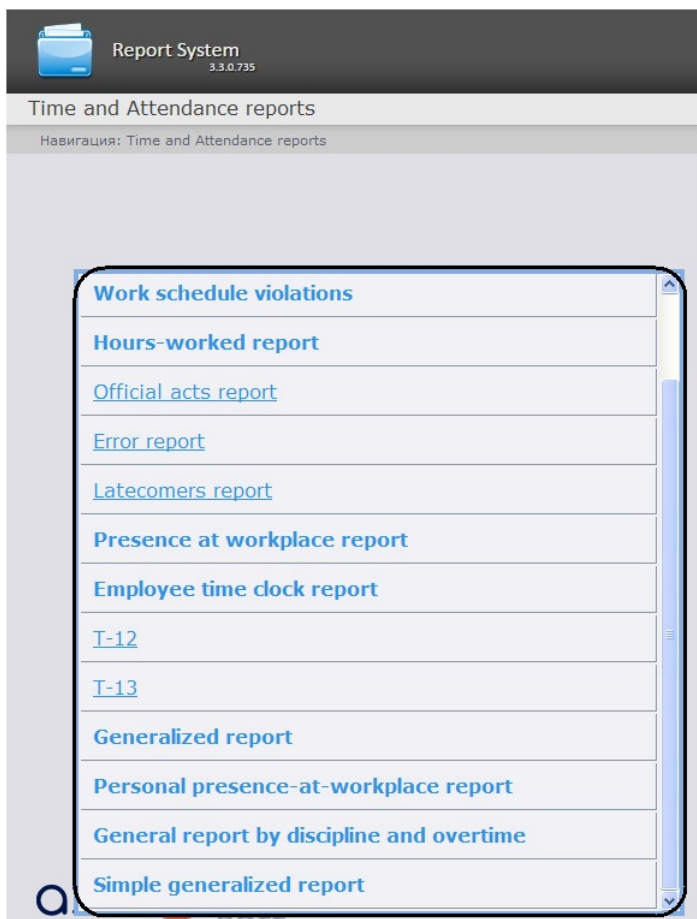
### 8.2.1 Selecting a type of Time and Attendance report

Rus

In order to select a type of Time and Attendance report click on **Time and Attendance reports** link in *Report System* menu.



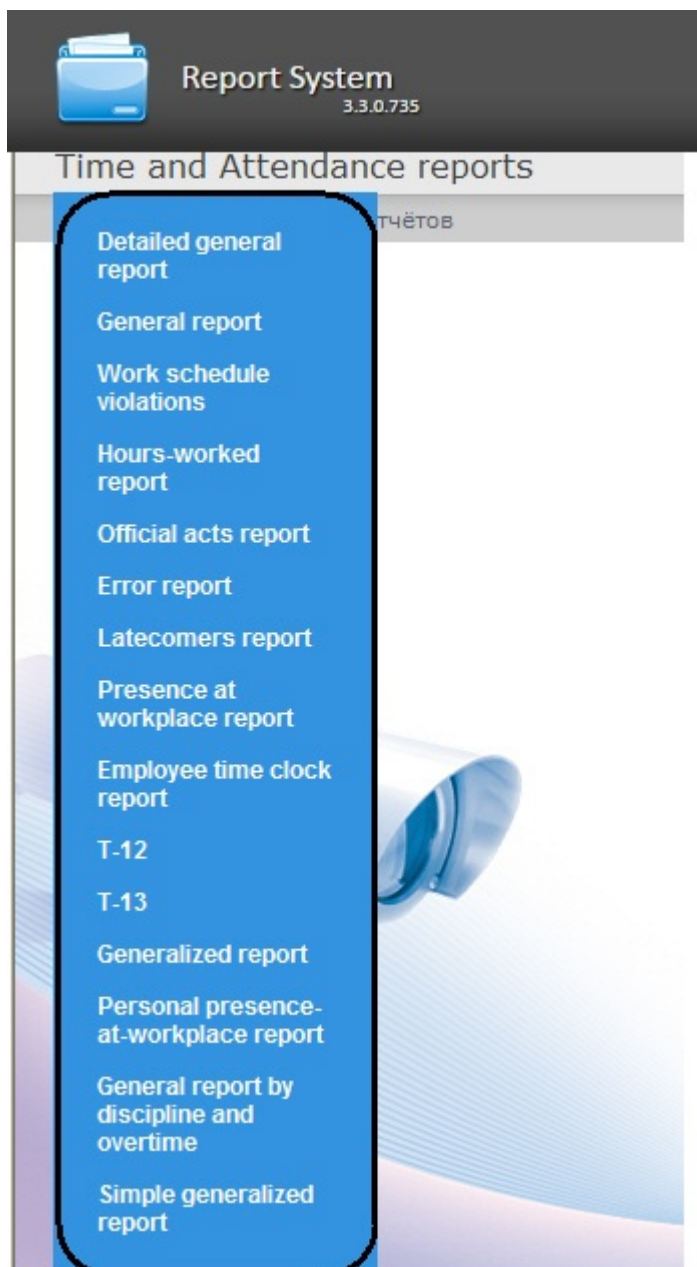
As a result the list of available Time and Attendance reports is displayed. For switching to the required report click the corresponding link.



**Note.**

List of links for switching to Time and Attendance reports is available when hovering over the **Time and Attendance reports** link in the report menu.





## 8.2.2 Creating a Time and Attendance report

Rus

In order to create a Time and Attendance report, do the following:

1. Select a Time and Attendance report (see [Selecting a type of Time and Attendance report](#)). Set the required values to the parameters that are necessary for displaying the report of the selected type (1).

**Generalized report**

1

Parameter	Value
Department / subdivision:	Department 1
Employee:	[all]
Short-form report:	<input checked="" type="checkbox"/>
Period:	User defined from 11/04/2011 to 11/04/2011

**Execute** 2

**Note.**

The figure illustrates the parameters of a **Generalized report**.

Set of parameters depends on the type of Time and Attendance report. Description of parameters used for creating the reports is given in the table.

Parameter	Description	Used in reports
Area: Region 1	Used for selecting the area by which the data is displayed in the report.	<ul style="list-style-type: none"> <li>Detailed general report</li> <li>General report</li> <li>Presence in the workplace report</li> <li>Personal presence-at-workplace report</li> </ul>
Period: Current date and time	Used for setting the period by which the report is displayed.	Used in all reports
Department / subdivision: Department 1	Used for selecting the department or subdivision for which the report is displayed. Multiple departments or subdivisions can be selected in most Time and Attendance reports.	<ul style="list-style-type: none"> <li>Work schedule violations</li> <li>Hours-worked report</li> <li>Official acts report</li> <li>Error report</li> <li>Latecomers report</li> <li>Presence in the workplace report</li> <li>Employee time clock report</li> <li>T-12</li> <li>T-13</li> <li>Generalized report</li> <li>General report by discipline and overtime</li> <li>Simple generalized report</li> </ul>
Show entrances/exits: <input type="checkbox"/>	If the checkbox is set, the entrances/exit points are displayed in the report.	<ul style="list-style-type: none"> <li>Presence in the workplace report</li> <li>Personal presence-at-workplace report</li> </ul>



Parameter	Description	Used in reports
Only working area: <input type="checkbox"/>	If the checkbox is set, the data only by working area is displayed in the report.	<ul style="list-style-type: none"> <li>• Presence in the workplace report</li> <li>• Personal presence-at-workplace report</li> </ul>
Employee: [all] ▾	Used for selecting the employee for whom the report is displayed. Multiple employees can be selected in most Time and Attendance reports.	<ul style="list-style-type: none"> <li>• Work schedule violations</li> <li>• Hours-worked report</li> <li>• Official acts report</li> <li>• Error report</li> <li>• Latecomers report</li> <li>• Presence in the workplace report</li> <li>• Employee time clock report</li> <li>• Generalized report</li> <li>• General report by discipline and overtime</li> <li>• Simple generalized report</li> <li>• Personal presence-at-workplace report</li> </ul>
Short-form report: <input checked="" type="checkbox"/>	If the checkbox is set, some report field are hidden.	<ul style="list-style-type: none"> <li>• Presence in the workplace report</li> <li>• Generalized report</li> <li>• Personal presence-at-workplace report</li> </ul>
Short-form report: <input checked="" type="checkbox"/>	If the checkbox is set, only the departments or employees which are located in the specified region are considered in the report.	<ul style="list-style-type: none"> <li>• Detailed general report</li> <li>• General report</li> </ul>
Working schedule: [all] ▾	Used for selecting the employee schedule by which the data is displayed in the report. A single schedule or all schedules can be selected at once.	<ul style="list-style-type: none"> <li>• Detailed general report</li> <li>• General report</li> </ul>

2. Click **Execute (2)**.

As a result a report is created and displayed.





### 8.2.3 Viewing a Time and Attendance report

#### 8.2.3.1 Time and Attendance report toolbar

Rus


The toolbar on the top of a page is used for report navigating, scaling the displayed page and Time and Attendance report exporting.



In order to switch to the previous and next report page click  and  correspondingly (1). In order to go back to the first report page click . In order to go to the last report page click .

Intellect Web Report System allows exporting the created Time and Attendance report to computer in the following formats:

- PDF;
- RTF;
- HTML;
- Excel;
- CSV;
- Text.






For this select a format in which the report is exported and click  (2).

Zooming in/out the displayed page is performed through the choosing the required scale in the list (3).

### 8.2.3.2 Detailed general report

Rus  
 A **Detailed general report** contains the information about the total number of employees in the departments who have the selected work schedule, the number of employees of the department located in the selected area, and the percentage of the employees of the department who are present within a specified period of time.

Time and Attendance reports  
 Navigation: [Time and Attendance reports](#) > [Detailed general report](#) > Result

  Page  from    PDF 

Date: 14.12.2014  
 Time: 09:45:00

Selected region: Street

Working schedule: Schedule 1

Department	The number of people in the department	The number in the area when the report is made in units	The number in the area when the report is made in %
Department_6	306	2	0.65 %
Brown Emily		+	
Smith John		+	

**Note.**

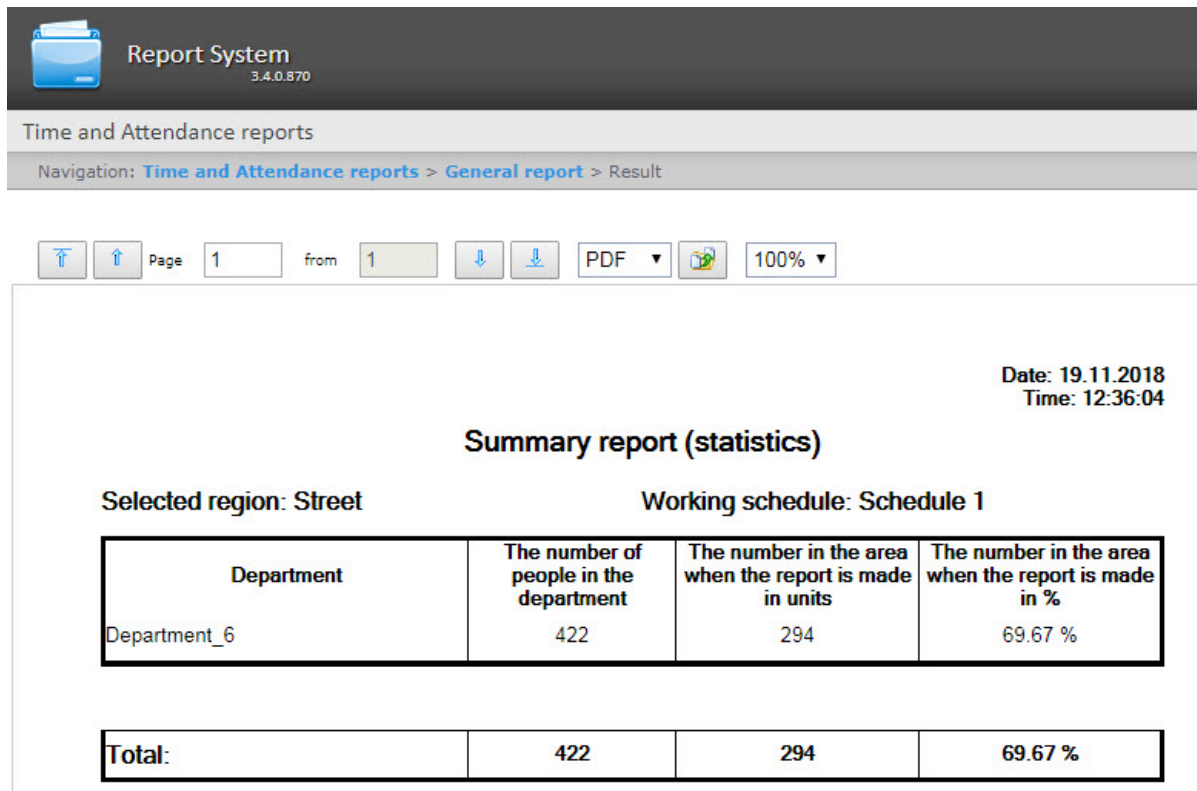
The employees who are present in the area when the report is made are marked with "+", those who are absent are marked with "-".

The **Total** line shows the total number of people in the area departments who have the selected work schedule, the number of employees locates in the area, and the percentage of the employees who are present in the region within the specified time period.

### 8.2.3.3 General report

Rus

The **General report** contains the information about the total number of employees in the departments who have the selected work schedule, the number of employees of the department located in the selected area, and the percentage of the employees of the department who are present within a specified period of time.



Report System  
3.4.0.870

Time and Attendance reports

Navigation: [Time and Attendance reports](#) > [General report](#) > Result

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Date: 19.11.2018  
Time: 12:36:04

**Summary report (statistics)**

Selected region: Street Working schedule: Schedule 1

Department	The number of people in the department	The number in the area when the report is made in units	The number in the area when the report is made in %
Department_6	422	294	69.67 %
<b>Total:</b>	<b>422</b>	<b>294</b>	<b>69.67 %</b>

The **Total** line shows the total number of people in the area departments who have the selected work schedule, the number of employees locates in the area, and the percentage of the employees who are present in the region within the specified time period.

### 8.2.3.4 Work schedule violations

Rus

A **Work schedule violations** report contains the information about the employees that violated the work schedule in the specified time period, the violation type and its duration.

Date: from 04.06.2012  
to 10.06.2012

### Violating working regulations

Department: Department Employees

Hood William

( Working schedule)

Planned date and time	Actual date and time	Violation type	Duration	Code
04.06.2012 10:00:00	04.06.2012 15:23:46	Coming late	07:23:46	
<b>Total by day</b>			<b>07:23:46</b>	
05.06.2012 10:00:00	05.06.2012 08:11:36	Leaving earlier	09:48:24	
<b>Total by day</b>			<b>09:48:24</b>	
06.06.2012 10:00:00		Absence	10:00:00	
<b>Total by day</b>			<b>10:00:00</b>	
07.06.2012 10:00:00		Absence	10:00:00	
<b>Total by day</b>			<b>10:00:00</b>	
08.06.2012 10:00:00		Absence	10:00:00	
<b>Total by day</b>			<b>10:00:00</b>	

Total by employee	Amount	Duration
Coming late	1	07:23:46
Time of absence	0	00:00:00
Leaving earlier	1	09:48:24
Absence	3	30:00:00
Underworking	0	00:00:00

Report fields are described in the table.

Field name	Description
Planned date and time	Planned duration of a workday for the specified date
Actual date and time	Date and time when violation was registered
Violation type	Type of registered violation
Duration	Violation duration

In the report there are separate tables with information about total amount of violations by employee, department and report as a whole.

### 8.2.3.5 Hours-worked report

Rus

An **Hours-worked report** is a table that contains the information about the time worked by the department staff in the specified time period with details by employees.

## Time and Attendance reports

Navigation: [Time and Attendance reports](#) > [Hours-worked report](#) > Result

Date: from 04.06.2012  
to 10.06.2012**Hours worked**

Department: Department Employees

Full Name	Time of presence	Working time	Time of absence	Night time	Overtime
Holmes Sherlock	00:00:00	00:00:00	50:00:00	00:00:00	00:00:00
Hood William	17:30:32	03:30:32	46:29:28	00:00:00	14:00:00
John Johnes	17:29:24	03:29:24	46:30:36	00:00:00	14:00:00
<b>Total by department:</b>	<b>34:59:56</b>	<b>06:59:56</b>	<b>143:00:04</b>	<b>00:00:00</b>	<b>28:00:00</b>

Total by report

<b>Total by report:</b>	<b>34:59:56</b>	<b>06:59:56</b>	<b>143:00:04</b>	<b>00:00:00</b>	<b>28:00:00</b>
-------------------------	-----------------	-----------------	------------------	-----------------	-----------------

Report fields are described in the table.

Field name	Description
Full name	Full name of an employee
Time of presence	Time that was spent in the workplace. If time of presence is more than planned working hours for specified period then the field is marked red
Working time	Time that was spent in the workplace according to the work plan (schedule)
Time of absence	Difference between the planned work hours and time of presence in the workplace
Night time	Time that was worked at night
Overtime	Time that was worked overtime

The sum by each report field is calculated in the **Total by department** line.

## 8.2.3.6 Official acts report

Rus

An **Official acts report** contains the information about "non-guilty" and overtime documents that were made by employees in the specified time period.

Navigation: [Time and Attendance reports](#) > [Official acts report](#) > Result

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Date: from 01.06.2012 to 30.06.2012

### Documents report

Department: Department Employees

**Hood William**

Date	Document number	Document code	Document description
03.06.2012	1	1	medical certificate
<b>Total by employee</b>		<b>Amount</b>	<b>Vouchers</b>
From 01.06.2012 to 30.06.2012		1	1

**John Johnes**

Date	Document number	Document code	Document description
07.06.2012	2	1	order
<b>Total by employee</b>		<b>Amount</b>	<b>Vouchers</b>
From 01.06.2012 to 30.06.2012		1	0

<b>Total by department</b>	<b>Amount</b>	<b>Vouchers</b>	<b>Overtime</b>
From 01.06.2012 to 30.06.2012	2	1	1

<b>Total by report</b>	<b>Amount</b>	<b>Vouchers</b>	<b>Overtime</b>
From 01.06.2012 to 30.06.2012	2	1	1

Report fields are described in the table.

Field name	Description
Date	Date of document creation
Document number	Document number given in Time and Attendance program module
Document code	Document code given in Time and Attendance program module
Document description	Document name

In the report there are separate tables with information about total amount of documents by employee, department and report as a whole.

### 8.2.3.7 Error report

Rus

An **Error report** contains the information about employees' erroneous passages.

Navigation: [Time and Attendance reports](#) > [Error report](#) > Result

Page 1 from 1 PDF 100%

Date: from 04.06.2012 to 10.06.2012

### Error report

**Department: Department Employees**

**Hood William**

Date	Arrival time	Passage point	Region	Error type
04.06.2012	15:28:38	OnlineController Changed	Region 1	Auoia aac aoiaa
04.06.2012	15:28:54	OnlineController Changed	Region 2	Aoia aac auoiaa
04.06.2012	15:30:26	OnlineController Changed	Region 2	Auoia aac aoiaa
04.06.2012	16:12:52	OnlineController Changed	Region 1	Aoia aac auoiaa
<b>Total by employee</b>		<b>Amount</b>	<b>Entrance with no exit</b>	<b>Exit with no entrance</b>
During interval from 04.06.2012 to 10.06.2012		4	2	2

**John Johnes**

Date	Arrival time	Passage point	Region	Error type
04.06.2012	15:30:32	OnlineController Changed	Region 2	Auoia aac aoiaa
04.06.2012	16:12:58	OnlineController Changed	Region 1	Aoia aac auoiaa
<b>Total by employee</b>		<b>Amount</b>	<b>Entrance with no exit</b>	<b>Exit with no entrance</b>
During interval from 04.06.2012 to 10.06.2012		2	1	1

<b>Total by department</b>	<b>Amount</b>	<b>Entrance with no exit</b>	<b>Exit with no entrance</b>
During interval from 04.06.2012 to 10.06.2012	6	3	3

Report fields are described in the table.

Field name	Description
Date	Date when an error was registered
Arrival time	Time when there was a passage to the region that caused an error
Passage point	Name of a passage point
Region	Name of a region where an error was registered
Error type	Type of a registered error

In the report there are separate tables with information about total amount of errors by employee, department and report as a whole.

### 8.2.3.8 Latecomers report

Rus

A **Latecomers report** contains the information about how late an employee came and how much time he underworks for every day of a specified period.

Navigation: [Time and Attendance reports](#) > [Latecomers report](#) > Result

Page 1 from 1 PDF 100%

**Report by late-comers ("leaving earlier")**  
Period: 04.06.2012 - 10.06.2012

Department: Department Employees

Employee number	Full Name	Time of coming late/underworking						
		04.06.2012	05.06.2012	06.06.2012	07.06.2012	08.06.2012	09.06.2012	10.06.2012
35	Holmes Sherlock	No exit	No exit	No exit	No exit	No exit		
11	Hood William	7:23:46 / 0:00:00	0:00:00 / 9:48:24	0:00:00 / 0:00:00	0:00:00 / 0:00:00	0:00:00 / 0:00:00		
12	John Johnes	7:24:30 / 0:00:00	0:00:00 / 9:48:32	0:00:00 / 0:00:00	0:00:00 / 0:00:00	0:00:00 / 0:00:00		

**Note.**

Minimal time period for which the report can be displayed is one week.

### 8.2.3.9 Presence in the workplace report

Rus

A **Presence in the workplace report** contains the information about periods when an employee left a specified region during a day and how long an employee was in a selected region for a specified period.



Date: from 04.06.2012 to 10.06.2012

## Presence at workplace

Department: Department Employees

**Hood William**

**Working schedule**

Arrived	Left	Region	Entrance point	Exit point	Time of presence
6/4/2012 3:23:46 PM	6/4/2012 3:28:54 PM	Region 1	Entrance	Exit	0:05:08
6/4/2012 3:30:26 PM	6/5/2012 7:55:18 AM	Region 1	Entrance	Exit	16:24:52
6/5/2012 8:11:36 AM		Region 1	Entrance	Exit	
6/4/2012 3:28:38 PM	6/4/2012 4:12:52 PM	Region 2	Entrance	Exit	0:44:14
6/5/2012 7:55:18 AM	6/5/2012 8:11:36 AM	Region 2	Entrance	Exit	0:16:18

**Total by employee:** 17:30:32

**John Johnes**

**Working schedule**

Arrived	Left	Region	Entrance point	Exit point	Time of presence
6/4/2012 3:24:30 PM	6/4/2012 3:28:36 PM	Region 1	Entrance	Exit	0:04:06
6/4/2012 3:30:32 PM	6/5/2012 7:55:24 AM	Region 1	Entrance	Exit	16:24:52
6/5/2012 8:11:28 AM		Region 1	Entrance	Exit	
6/4/2012 3:28:36 PM	6/4/2012 4:12:58 PM	Region 2	Entrance	Exit	0:44:22
6/5/2012 7:55:24 AM	6/5/2012 8:11:28 AM	Region 2	Entrance	Exit	0:16:04

**Total by employee:** 17:29:24

Report fields are described in the table.

Field name	Description
Arrived	Date and time of an employee's passage to a region
Left	Date and time of an employee's leaving a region
Entrance point	Name of an entrance point to a region
Exit point	Name of an exit point to a region
Region	Region name
Time of presence	Difference between the passage and leaving time

Total time of an employee's presence in the workplace for a specified period is displayed in the **Total by employee** line.


**Note.**

If the **Summary view** checkbox was set then the report consists only of the **Total by employee** lines.







## 8.2.3.10 Employee time clock report

Rus

An **Employee time clock report** contains the information about employee's arrival and leaving for every day of the specified period.

 Подсистема отчётов  
2.11.0.2616

Time and Attendance reports  
 Навигация: [Time and Attendance reports](#) > [Employee time clock report](#) > Result


 Page  from 


 PDF
 

**Arrival-Leaving report**  
Period: 07.10.2013 - 13.10.2013

Department: **Department Clients**

Personnel number	Full Name	Position	Time of arrival/leaving							
			07.10.2013	08.10.2013	09.10.2013	10.10.2013	11.10.2013	12.10.2013	13.10.2013	
	Client 2									
1001	Smith Jhon	Manager	10:51:24 / 10:55:37	12:51:47 / 17:35:30						

Department: **Department Employees**

Personnel number	Full Name	Position	Time of arrival/leaving							
			07.10.2013	08.10.2013	09.10.2013	10.10.2013	11.10.2013	12.10.2013	13.10.2013	
	Employee 1									

**Note.**

Minimal time period for which the report can be displayed is one week.

If the **Expanded** checkbox is set the view of the **Employee time clock report** will be the following:

Time and Attendance reports

Навигация: [Time and Attendance reports](#) > [Employee time clock report](#) > Result

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### Arrival-Leaving report

Period: 07.10.2013 - 13.10.2013

Department: **Department Clients**

Personnel number	Full Name	Position	Time of arrival/leaving								
			Time of presence				Hours worked				
			07.10.2013	08.10.2013	09.10.2013	10.10.2013	11.10.2013	12.10.2013	13.10.2013		
	Client 2		09:30 / 18:32	09:15 / 19:07							
1001	Smith Jhon	Manager	09:54 / 08:35	09:54 / 07:20							

Department: **Department Employees**

Personnel number	Full Name	Position	Time of arrival/leaving								
			Time of presence				Hours worked				
			07.10.2013	08.10.2013	09.10.2013	10.10.2013	11.10.2013	12.10.2013	13.10.2013		
	Employee 1										

### 8.2.3.11 T-12 and T-13 reports

Rus

Intellect Web Report System allows create **T-12** and **T-13** reports that represent time and attendance reports.

In **T-12** and **T-13** reports the information on worked time for every calendar day in a month is given. Also in **T-12** and **T-13** reports the total of worked hours (days) in a month and number of absences from work is given. Examples of **T-12** and **T-13** reports are given in the following figures correspondingly.

The **T-12** report is presented in the following figure.



Navigation: [Time and Attendance reports](#) > [T-13](#) > Result

Official Form

Code	0001000
WCCC form	
WCCC form	

---

(Company name)  
**Department 1**  
 (Company department)

Document number	Date of forming
	05.11.2011

Reported period	
from	to
01.11.2011	30.11.2011

**Table of time and attendance**

No.	Surname, initials, position (speciality, profession)	Table number	Attendances/non-attendances by date																Worked during		Data to calculate salaries by types and priorities of expenses						Non-attendances by reason					
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	X	Half of the month (I, II)	month	payment-type code		corresponding account		Code	days (hours)	Code	days (hours)			
			16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	days	hours	payment-type code	corresponding account	days (hours)	payment-type code	corresponding account					days (hours)		
1	2	3	4																5	6	7	8	9	7	8	9	10	11	12	13		
1	Lee-Kin		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	X	0	0	00000					1	22 (152)				
			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			0									
2	Suh-John		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	X	1	1	00000					1	22 (152)				
			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			0									

Information on salary accounting by expense kinds is given in the 7-9 columns of **T-13** report.

Total by worked time for a month is given in the 8-13 columns of **T-12** report.

Total by employee's absence from work is given in the 14-16 columns of **T-12** report and in the 10-13 columns of **T-13** report.

### 8.2.3.12 Generalized report

Rus

**Generalized report** is a table that contains information on carrying out the workday order by employees for every day of selected period.

Time and Attendance reports

Navigation: [Time and Attendance reports](#) > [Generalized report](#) > Result

Page  from 





 100%

### Generalized report

Date, day of the week	Arrival	Leaving	Hours worked	Exiting the building (number)	Exiting the building (duration)	Voucher	Overworking/underworking balance	Hours planned
<b>Department Employees</b>								
<b>manager, Hood William</b>								
Mon 04.06.2012 r.	15:23:46		9:18:56	2	0:-42:-42	1	+0/-0:41:04	10:00:00
Tue 05.06.2012 r.		8:11:36	8:11:36	2	0		+0/-1:48:24	10:00:00
Wed 06.06.2012 r.			0	0	0		+0/-10:00:00	10:00:00
Thu 07.06.2012 r.			0	0	0		+0/-10:00:00	10:00:00
Fri 08.06.2012 r.			0	0	0		+0/-10:00:00	10:00:00
Sat 09.06.2012 r.			0	0	0		+0/-0	0
Sun 10.06.2012 r.			0	0	0		+0/-0	0
<b>Total</b>			17:30:32	4	0:-42:-42		+0/-32:29:28	50:00:00
<b>Total for month</b>			17:30:32	4	0:-42:-42		+0/-32:29:28	50:00:00
<b>engineer, John Johnes</b>								
Mon 04.06.2012 r.	15:24:30		9:17:56	2	0:-42:-26		+0/-0:42:04	10:00:00
Tue 05.06.2012 r.		8:11:28	8:11:28	2	0		+0/-1:48:32	10:00:00
Wed 06.06.2012 r.			0	0	0		+0/-10:00:00	10:00:00
Thu 07.06.2012 r.			0	0	0	1	+0/-10:00:00	10:00:00
Fri 08.06.2012 r.			0	0	0		+0/-10:00:00	10:00:00
Sat 09.06.2012 r.			0	0	0		+0/-0	0
Sun 10.06.2012 r.			0	0	0		+0/-0	0
<b>Total</b>			17:29:24	4	0:-42:-26		+0/-32:30:36	50:00:00

Report fields are described in the table.

Field name	Description
Date, day of the week	Date, day of the week
Arrival	Time of arrival
Leaving	Time of leaving
Hours worked	Hours worked by employee
Leaving the building (number)	Number of leavings out of the building (region)
Leaving the building (duration)	Time when the employee is absent in the region
Explanation	Explanations made by employee
Overworking/underworking balance	Time of overwork/underwork

Field name	Description
Hours planned	Planned workday duration

**Note.**

Note. Short form of the report contains the following fields:

1. Date, day of the week.
2. Hours worked.
3. Overworking/underworking balance.
4. Hours planned.

### 8.2.3.13 Personal presence-at-workplace report

Rus

**Personal presence-at-workplace report** contains the information about periods when an employee visited and left a specified region during a day and how long an employee was in a selected region for a specified period.

Navigation: [Time and Attendance reports](#) > [Personal presence-at-workplace report](#) > Result

Page  from

Date: from  
27.11.2012  
to 27.11.2012

## Presence at workplace

Region: Region 1

Department: Department 1

User 1

**Working schedule**

Arrived	Left	Region	Entrance point	Exit point	Time of presence
11/27/2012 6:20:44 PM	11/27/2012 6:26:54 PM	Region 1	Entrance	Exit	0:06:10
11/27/2012 6:26:54 PM	11/27/2012 6:26:59 PM	Region 1	Entrance	Exit	0:00:05
11/27/2012 6:26:59 PM		Region 1	Entrance	Exit	
11/27/2012 6:18:09 PM	11/27/2012 6:26:23 PM	Region 2	Entrance	Exit	0:08:14
11/27/2012 6:26:23 PM	11/27/2012 6:26:54 PM	Region 2	Entrance	Exit	0:00:31
11/27/2012 6:26:59 PM	11/27/2012 6:26:59 PM	Region 2	Entrance	Exit	0:00:00

**Total by employee:** 0:15:00

Report fields are described in the table.

Field name	Description
Arrived	Date and time of an employee's passage to a region
Left	Date and time an employee's leaving a region
Region	Name of visited region
Entrance point	Name of an entrance point to a region
Exit point	Name of an exit point to a region
Time of presence	Difference between the passage and leaving time

**Note.**

In the short form of the report the information about entrances and exits is not displayed. Only the total time of employee's presence in the selected regions is displayed.

#### 8.2.3.14 General report by discipline and overtime

Rus

**General report by discipline and overtime** is a table that contains information on overtimes and beings late, about working of employee on weekend and holidays during the specified time period.



Time and Attendance reports

Навигация: [Time and Attendance reports](#) > [General report by discipline and overtime](#) > Result



 Page  from 





Date: from  
07.10.2013  
to 13.10.2013

**Discipline and overtime**

**Department: Department Clients**

Full Name	position	Being late (hour)	Overtime (hour)	Saturdays (days)	Holidays (days)
Smith Jhon	Manager	00:00:00	00:00:00	1	0
Client 2		00:00:00	00:00:00	0	0
<b>Total by department:</b>		<b>00:00:00</b>	<b>00:00:00</b>	<b>1</b>	<b>0</b>

**Department: Department Employees**

Full Name	position	Being late (hour)	Overtime (hour)	Saturdays (days)	Holidays (days)
Employee 1		00:00:00	00:00:00	0	1
<b>Total by department:</b>		<b>00:00:00</b>	<b>00:00:00</b>	<b>0</b>	<b>1</b>

**Total by report**

<b>Total by report:</b>		<b>00:00:00</b>	<b>00:00:00</b>	<b>1</b>	<b>1</b>
-------------------------	--	-----------------	-----------------	----------	----------

The report fields are described in the following table.

Field name	Description
Full name	Employee full name
Position	Employee position
Being late (hour)	General time if being late during the specified period (in hours)
Overtime (hour)	General time of overtime during the specified period (in hours)
Saturdays (days)	Number of worked weekend days
Holidays (days)	Number of worked holidays

8.2.3.15 Simple generalized report

Rus

**Simple generalized report** is a table that contains information about worked hours, time of employee arrival and leaving, and information about being late and underwork for each day of the specified period.

Time and Attendance reports

Навигация: [Time and Attendance reports](#) > [Simple generalized report](#) > Result



 Page  from 





Report from: 10/10/2013 2:07:16 PM

Date: from 07.10.2013 to 13.10.2013

### Simple generalized report

**Department Clients**

Personnel number	Full Name	Hours worked	Arrival	Leaving	Coming late	Leaving earlier
------------------	-----------	--------------	---------	---------	-------------	-----------------

**Date : 07.10.2013**

	Client 2	9:18:56	15:23:46		0	0
1001	Smith Jhon	8:11:36		8:11:36	0	0

**Date : 08.10.2013**

	Client 2	0			0	0
1001	Smith Jhon	0			0	0

**Date : 09.10.2013**

	Client 2	0			0	0
1001	Smith Jhon	0			0	0

**Date : 10.10.2013**

	Client 2	0			0	0
1001	Smith Jhon	0			0	0

Report fields are described in the table.

Field name	Description
Personnel number	Employee personnel number
Full name	Employee full name
Hours worked	Hours worked by employee
Arrival	Time of arrival
Leaving	Time of leaving
Coming late	Time of coming late

Field name	Description
Leaving earlier	Time on which employee left work earlier

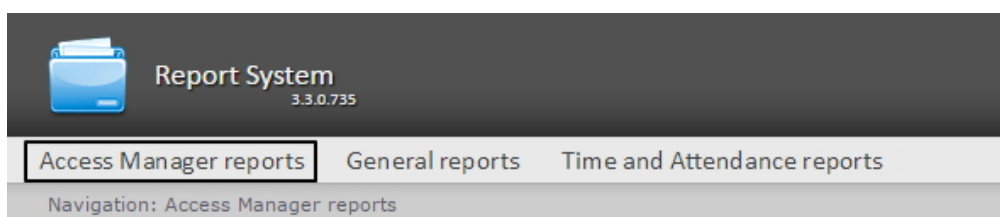
## 8.3 Working with Access Manager reports

Working with the **Access Manager** reports consists of the following stages:

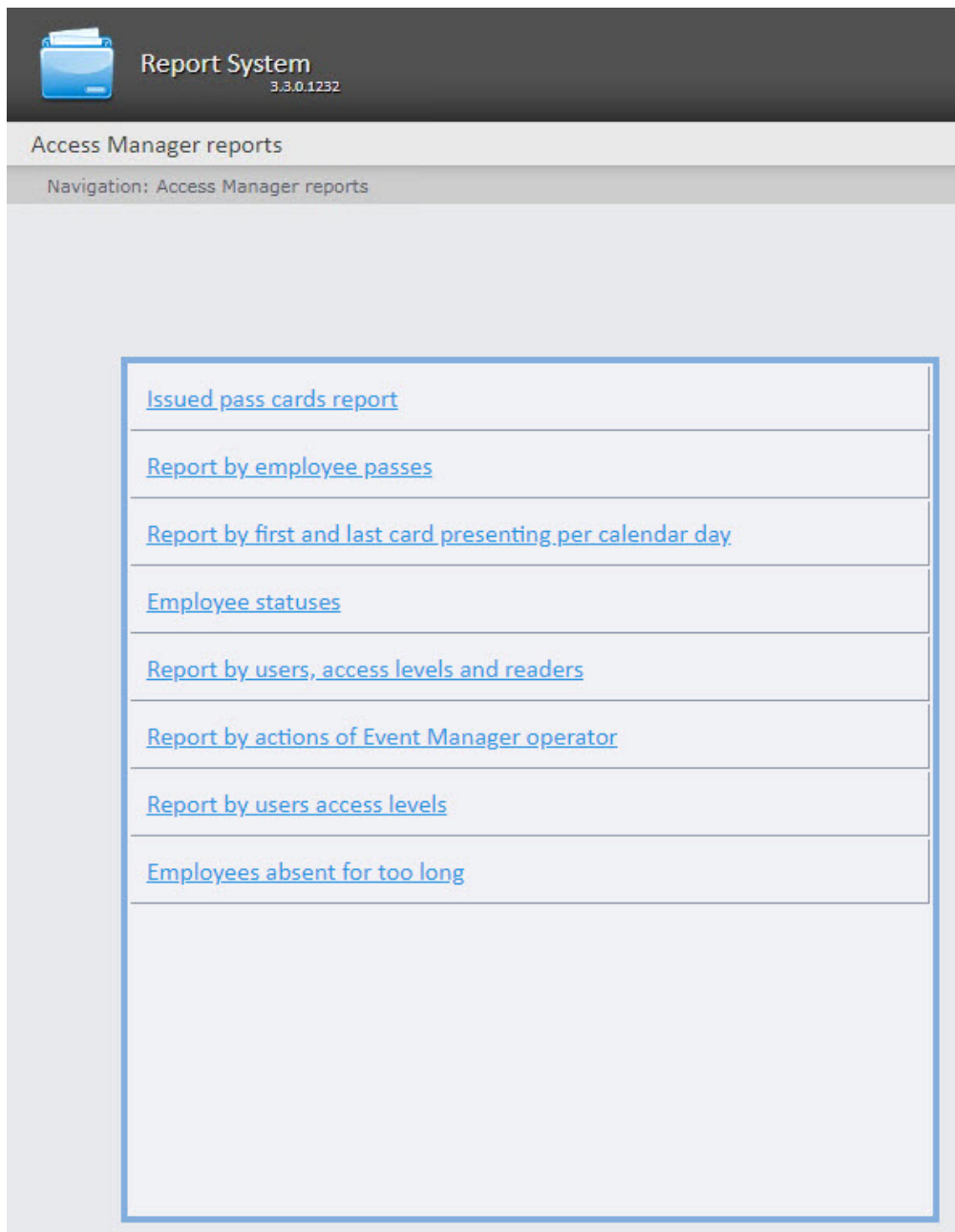
1. Selecting the report type.
2. Creating a report.

### 8.3.1 Selecting the type of Access Manager report

To select the **Access Manager** report type, click the **Access Manager reports** link in the *Intellect Web Report System* menu.



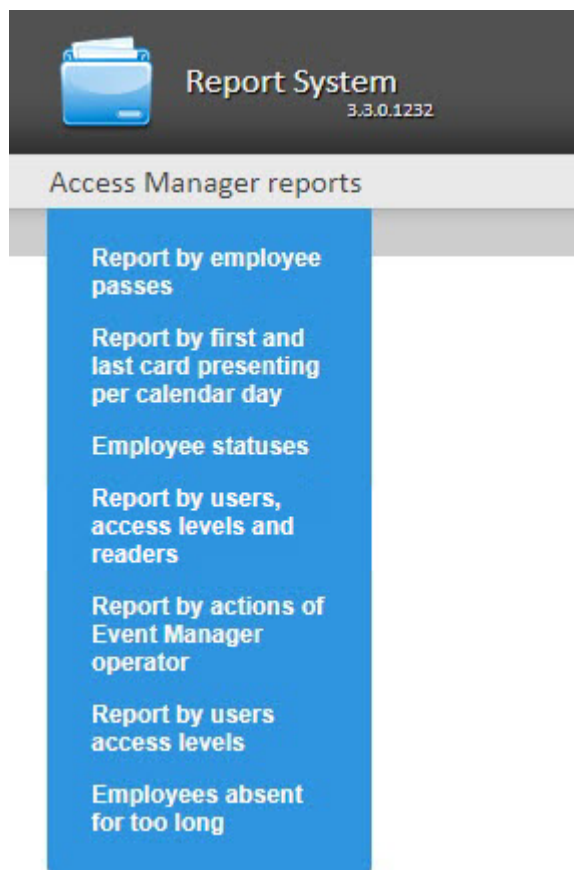
As a result the list of available **Access Manager** reports is displayed. To select the required report, click the corresponding link.



The screenshot shows the top header of the 'Report System' with a folder icon and version number '3.3.0.1232'. Below the header, the page title is 'Access Manager reports' and the navigation breadcrumb is 'Navigation: Access Manager reports'. A dropdown menu is open, listing eight report options:

- [Issued pass cards report](#)
- [Report by employee passes](#)
- [Report by first and last card presenting per calendar day](#)
- [Employee statuses](#)
- [Report by users, access levels and readers](#)
- [Report by actions of Event Manager operator](#)
- [Report by users access levels](#)
- [Employees absent for too long](#)

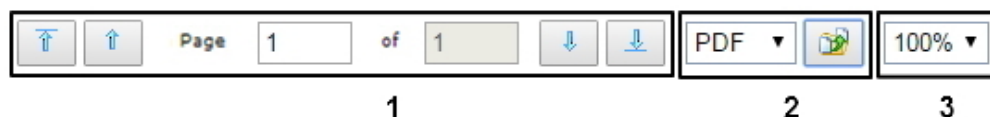
The list of the **Access Manager** reports is also displayed when hovering over the **Access Manager reports** link in the report menu.







## 8.3.2 Creating the Access Manager report

### 8.3.2.1 Access Manager report toolbar


The toolbar displayed at the page top is used for the report navigation, scaling the report page and exporting the **Access Manager** report.



To switch to the previous and next report page click  and  correspondingly (1). To go back to the first report page click . To go further to the last report page click .

The *Intellect Web Report System* enables exporting the **Access Manager** reports in the following formats:

- PDF;
- RTF;
- HTML;
- Excel;
- CSV;
- Text.

To do this, select the necessary format on the toolbar and click  (2).

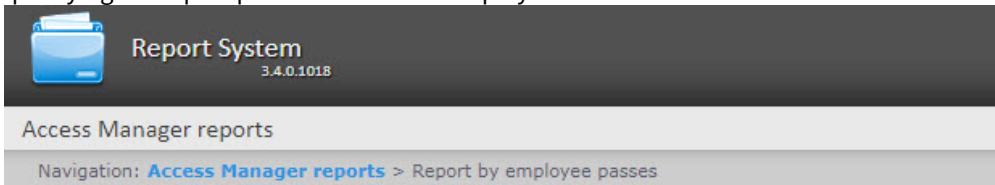
To zoom in/zoom out the report page, choose the required scale in the drop-down list (3).

### 8.3.2.2 Report by employee passes

The **Report by employee passes** displays all interactions between the selected employee and the selected passage points. The report allows you to track the movement of the selected employee within a specified zone.

To create the **Report by employee passes**, do the following:

1. Select the **Report by employee passes** (see [Selecting the type of Access Manager report](#)). As a result the dialog box for specifying the report parameters will be displayed.




#### Report by employee passes


Parameter	Value
Expanded:	<input checked="" type="checkbox"/> 1
Readers:	Choose: All, None View: Hide all, Show all <input checked="" type="checkbox"/> ARC Reader 1.1.1 2
Departments / Employees:	Choose: All, None View: Hide all, Show all - <input checked="" type="checkbox"/> Department 1 <input checked="" type="checkbox"/> Donne J. <input checked="" type="checkbox"/> Miller S. + <input checked="" type="checkbox"/> Department 2 3
Period:	User <input type="text"/> from 10/30/2018 <input type="text"/> to 10/30/2018 <input type="text"/> 4 5
<input type="button" value="Execute"/> 6	

2. Set the report parameters in the following way:
  - a. Set the **Expanded** checkbox (1) to display the additional data in the report (phone number, access levels, card issue date).
  - b. In the **Readers** field (2) set checkboxes for the **Reader** objects, the information on which should be displayed in the report.

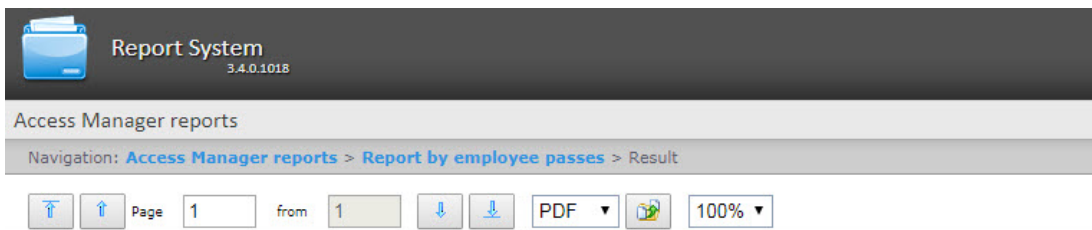
- c. In the **Departments/Employees** field (3) set checkboxes for the departments and employees, the information on which should be displayed in the report.
- d. From the **Period** drop-down list (4) select the time period for which the report is to be created.
  - i. If the **User** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields (5) using the **Calendar** tool.

**Note**

Click the  button near the corresponding field to use the **Calendar** tool.

- ii. If the **User 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.
- iii. If another period type is selected, specifying the date of start and end periods is not needed.

- 3. To create a report click **Execute** (6).
- 4. As a result the report with specified parameters is displayed.



Date: from 30.10.2018  
to 30.10.2018



### Report by employee passes


**Department: Department 1**

Full Name	Passage point	Date
Donne John [1]	ARC Reader 1.1.1	10/30/2018 1:57:01 PM
Miller Sarah [2]	ARC Reader 1.1.1	10/30/2018 1:57:07 PM

**Department: Department 2**

Full Name	Passage point	Date
Vai Steve [3]	ARC Reader 1.1.1	10/30/2018 1:57:11 PM


If the **Expanded** checkbox (1) is set, the report is displayed in the following way.


Report System  
3.4.0.1018

Access Manager reports

Navigation: [Access Manager reports](#) > [Report by employee passes](#) > Result

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PDF
100%



### Report by employee passes

Date: from 30.10.2018 to 30.10.2018

**Department: Department 1**

Full Name	Telephone	Access levels	Date of card issue	Passage point	Date
Donne John [1]	+7000999	Access Level 1	30.10.2018 13:45:26	ARC Reader 1.1.1	10/30/2018 1:57:01 PM
Miller Sarah [2]	+7111888	Access Level 1	30.10.2018 13:46:09	ARC Reader 1.1.1	10/30/2018 1:57:07 PM

**Department: Department 2**

Full Name	Telephone	Access levels	Date of card issue	Passage point	Date
Vai Steve [3]	+7333111	Access Level 1	30.10.2018 13:46:36	ARC Reader 1.1.1	10/30/2018 1:57:11 PM

The report fields are described in the table.

Field name	Description
Full name	Full name of the employee
Telephone	Phone number of the employee
Access levels	Access levels of the employee
Date of card issue	Date when the card was issued to the employee
Passage point	Passage point through which the employee has passed
Date	Date and time of employee passage

#### Note

The employee personnel number is displayed in the square brackets in the **Full name** field.

#### Note

In the report the employees are sorted by their personnel number and the passage date.

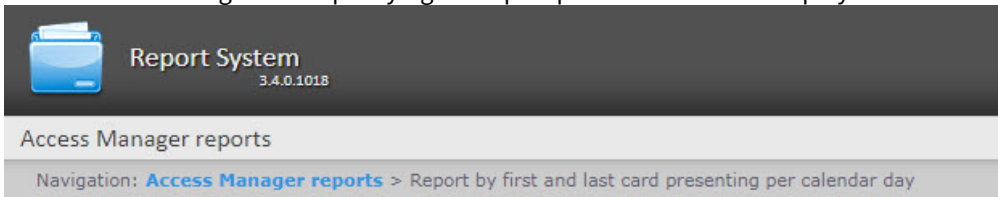
### 8.3.2.3 Report by first and last card presenting per calendar day

The **Report by first and last card presenting per calendar day** is a table which contains the information about the first and last time the selected employee presented the card to the passage point. Working schedules are ignored in the report, the data is displayed per calendar day. All passage points are analyzed during the report generation.

To create the **Report by first and last card presenting per calendar day**, do the following:



1. Select the **Report by first and last card presenting per calendar day** (see [Selecting the type of Access Manager report](#)). As a result the dialog box for specifying the report parameters will be displayed.



### Report by first and last card presenting per calendar day

Parameter	Value
Departments / Employees:	Choose: <a href="#">All</a> , <a href="#">None</a> View: <a href="#">Hide all</a> , <a href="#">Show all</a> - <input checked="" type="checkbox"/> Department 1 <input checked="" type="checkbox"/> Donne J. <input checked="" type="checkbox"/> Miller S. + <input type="checkbox"/> Department 2
Period:	User <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">User</span> from 10/30/2018  to 10/30/2018
<b>Execute</b> <b>4</b>	

2. Set the report parameters in the following way:
  - a. In the **Departments/Employees** field (1) set checkboxes for the departments and employees, the information on which should be displayed in the report.
  - b. From the **Period** drop-down list (2) select the time period for which the report is to be created.
    - i. If the **User** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields (3) using the **Calendar** tool.

**Note**

Click the button near the corresponding field to use the **Calendar** tool.

- ii. If the **User 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the button.
- iii. If another period type is selected, specifying the date of start and end periods is not needed.

**Note**

Minimum time period for report displaying is a week.

3. To create a report click **Execute** (4).
4. As a result the report with specified parameters is displayed.

Report System 3.4.0.1018

Access Manager reports

Navigation: Access Manager reports > Report by first and last card presenting per calendar day > Result

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Report by first and last card presenting per calendar day  
 Period: 30.10.2018 - 30.10.2018

Department: **Department 1**

Personnel number	Full Name	Position	Card
	Donne John		544 1234
Time of first / last presenting of card			
30.10.2018			
13:57:01 / 13:57:01			
	Miller Sarah		654 4561
Time of first / last presenting of card			
30.10.2018			
13:57:07 / 13:57:07			

The report fields are described in the table.

Field	Description
Personnel number	Personnel number of the employee
Full name	Full name of the employee
Position	Position of the employee
Card	Employee card number
Time of first/last card presenting	Time of the first and last card presenting per day

**Note**

If the report was created automatically in Excel format (see [Setting up Intellect Web Report System operation in the automatic mode](#)), the Department/subdivision column will be displayed in the report. It contains the name of the department to which the employee belongs.

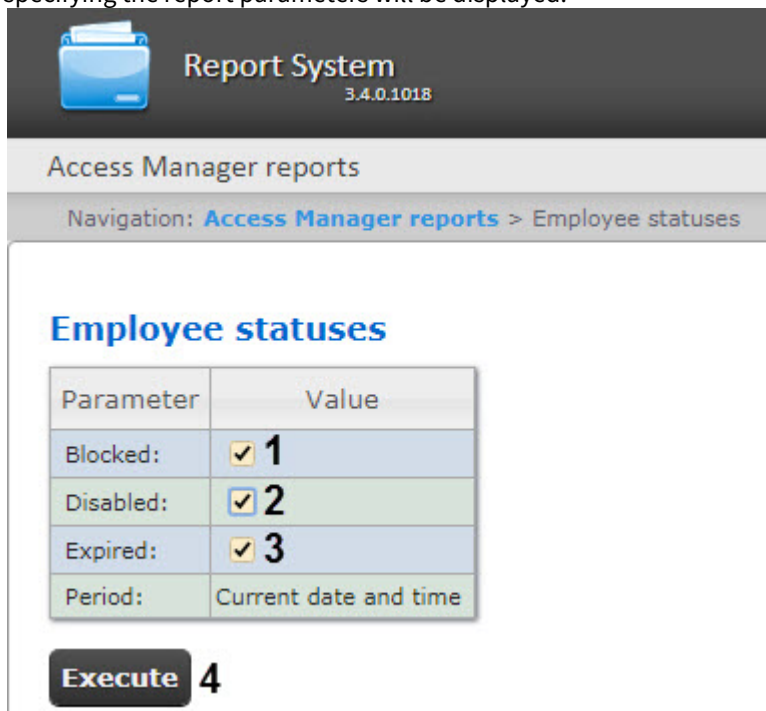
Report by first and last card presenting per calendar day					
from 10/30/2018 12:00:00 AM to 10/30/2018 11:59:59 PM					
Personnel number	Full Name	Department / subdivision	Position	Card	Arrival-departure time
	Donne John	Department 1		544 1234	10/30/2018
					01:57 PM-01:57 PM
	Miller Sarah	Department 1		654 4561	10/30/2018
					01:57 PM-01:57 PM

8.3.2.4 Employee statuses report

The **Employee statuses** report is a table which contains the information about the current status of employees' cards (expired, disabled, locked) and the dates of their expiration.

To create the **Employee statuses** report, do the following:

1. Select the **Employee statuses** report (see [Selecting the type of Access Manager report](#)). As a result the dialog box for specifying the report parameters will be displayed.



The screenshot shows the 'Report System' interface with the following elements:

- Header: Report System 3.4.0.1018
- Section: Access Manager reports
- Navigation: Access Manager reports > Employee statuses
- Section: Employee statuses
- Table of parameters:

Parameter	Value
Blocked:	<input checked="" type="checkbox"/> <b>1</b>
Disabled:	<input checked="" type="checkbox"/> <b>2</b>
Expired:	<input checked="" type="checkbox"/> <b>3</b>
Period:	Current date and time

Execute **4**

2. Set the report parameters in the following way:
  - a. Set the **Blocked** checkbox (**1**) to display the employees with locked cards.
  - b. Set the **Disabled** checkbox (**2**) to display the employees with disabled cards.
  - c. Set the **Expired** checkbox (**3**) to display the employees with expired cards.
3. To create a report click **Execute** (**4**).
4. As a result the report with specified parameters is displayed.

Report System  
3.4.0.950

Access Manager reports

Navigation: [Access Manager reports](#) > [Employee statuses](#) > Result

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Report from: 7/5/2018 5:01:56 PM



## Report by employee status

### Locked employees

Personnel number	Full Name	Expire date of card
22222	Vai Steve	

### Expired employees (cards)

Personnel number	Full Name	Expire date of card
11111	Donne John	26.06.2018 23:59:59

The report fields are described in the table.

Field name	Description
Personnel number	Employee number in the <i>Access Manager</i> module
Full Name	Full name of the selected employee
Expire date of card	Expiration date of the employee card

### 8.3.2.5 Report by users, access levels and readers

The **Report by users, access levels and readers** is a table which contains the information about users with the selected access levels or selected passage points assigned to them.

To create the **Report by users, access levels and readers**, do the following:

1. Select the **Report by users, access levels and readers** (see [Selecting the type of Access Manager report](#)). As a result the dialog box for specifying the report parameters will be displayed.



## Report System

3.3.0.1256

### Access Manager reports

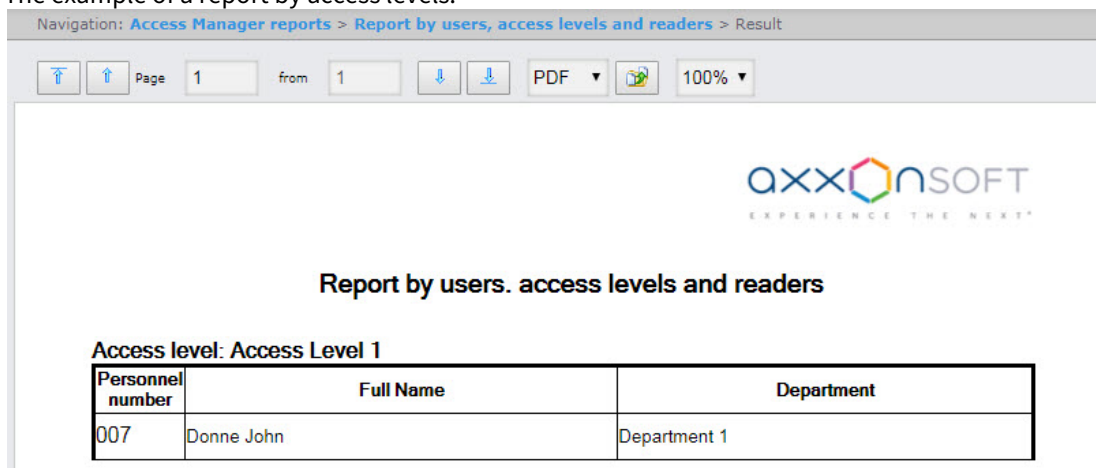
Navigation: [Access Manager reports](#) > Report by users, access levels and readers

### Report by users, access levels and readers

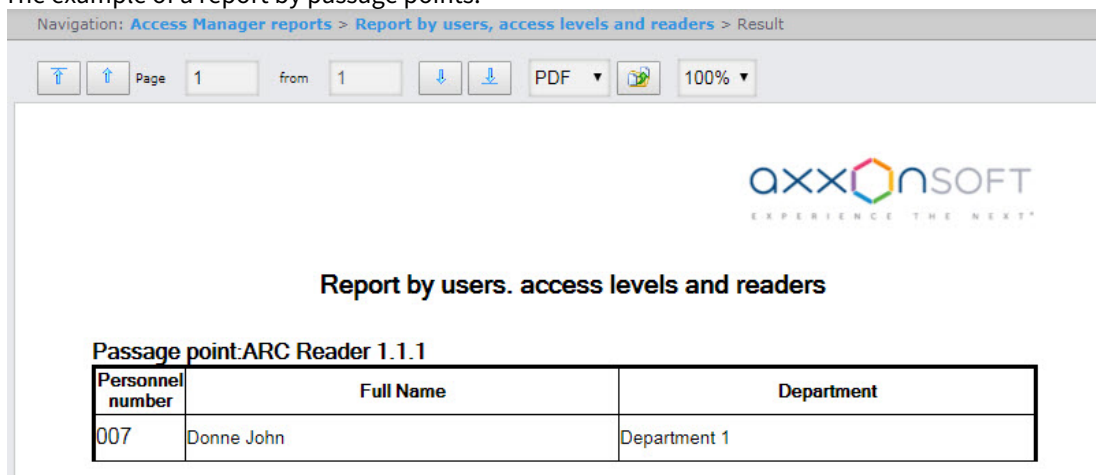
Parameter	Value
Access levels:	Choose: <a href="#">All</a> , <a href="#">None</a> View: <a href="#">Hide all</a> , <a href="#">Show all</a> <div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <input checked="" type="checkbox"/>  Full access  <input checked="" type="checkbox"/>  Forbidden  <input checked="" type="checkbox"/>  Access Level 1           </div>
Readers:	Choose: <a href="#">All</a> , <a href="#">None</a> View: <a href="#">Hide all</a> , <a href="#">Show all</a> <div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <input checked="" type="checkbox"/>  ARC Reader 1.1.1           </div>
Type of report:	By readers ▼ <b>3</b>
Period:	Current date and time

**Execute** **4**

2. Set the report parameters in the following way:
  - a. In the **Access levels** field (1) set the checkboxes for the access levels the information on which should be displayed in the report.
  - b. In the **Readers** field (2) set the checkboxes for the readers the information on which should be displayed in the report.
  - c. From the **Type of report** drop-down list (3) select the required report type.
3. To create a report click **Execute** (4).
4. As a result the report with specified parameters is displayed.
  - a. The example of a report by access levels.



- b. The example of a report by passage points.



The report fields are described in the table.

Field name	Description
Personnel number	Employee number
Full name	Full name of the employee
Department	Employee department

### 8.3.2.6 Report by actions of Event Manager operator

The **Report by actions of Event Manager operator** is a table which displays the requests received by the **Event Manager** operator and his reactions to them.

To create the **Report by actions of Event Manager operator**, do the following:

1. Select the **Report by actions of Event Manager operator** (see [Selecting the type of Access Manager report](#)). As a result the dialog box for specifying the report parameters will be displayed.





Report System  
3.4.0.1056

## Access Manager reports


Navigation: [Access Manager reports](#) > Report by actions of Event Manager operator


### Report by actions of Event Manager operator

Parameter	Value
Operators:	Choose: <a href="#">All</a> , <a href="#">None</a> View: <a href="#">Hide all</a> , <a href="#">Show all</a> <input checked="" type="checkbox"/> Unauthorized user <b>1</b>
Computers:	Choose: <a href="#">All</a> , <a href="#">None</a> View: <a href="#">Hide all</a> , <a href="#">Show all</a> <input checked="" type="checkbox"/> R-NAZAROV-PC <b>2</b>
Events and reactions:	Choose: <a href="#">All</a> , <a href="#">None</a> View: <a href="#">Hide all</a> , <a href="#">Show all</a> <input checked="" type="checkbox"/> Events <input checked="" type="checkbox"/> Reactions <b>3</b>
Departments / Employees:	Choose: <a href="#">All</a> , <a href="#">None</a> View: <a href="#">Hide all</a> , <a href="#">Show all</a> <input checked="" type="checkbox"/> Department 1 <input checked="" type="checkbox"/> Department 2 <b>4</b>

2. Set the report parameters in the following way:
  - a. In the **Operators** field (1) set the checkboxes for the operators whose actions should be displayed in the report.
  - b. In the **Computers** field (2) set the checkboxes for the computers the information on which should be displayed in the report.
  - c. In the **Events and reactions** field (3) set the checkboxes for the events and reactions the information on which should be displayed in the report.
  - d. In the **Departments/Employees** field (4) set the checkboxes for the departments and employees the information on which should be displayed in the report.
  - e. From the **Period** drop-down list (5) select the time period for which the report is to be created.
    - i. If the **User** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields (6) using the **Calendar** tool.

**Note**

Click the  button near the corresponding field to use the **Calendar** tool.

- ii. If the **User 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.
- iii. If another period type is selected, specifying the date of start and end periods is not needed.

3. To create a report click **Execute** (7).
4. As a result the report with specified parameters is displayed.

**Report by actions of Event Manager operator**

Period: 10.09.2017 - 11.09.2017

Date	Passage point	Event	Full Name	Department	Card	Operator	Action	Workstation
10.09.2017 10:59:26	entrance	Passage request	Darcy Johnson		(200)0000	Mark Harrington	'Allow'	Computer 1
10.09.2017 11:01:08	exit	Passage request	Darcy Johnson		(200)0000	Mark Harrington	'Deny'	Computer 1
10.09.2017 12:35:33	exit	Passage request	Darcy Johnson		(200)0000	Mark Harrington	'Allow'	Computer 1
10.09.2017 12:41:24	exit	Passage request	Darcy Johnson		(200)0000	Mark Harrington	'Deny'	Computer 1
10.09.2017 12:41:46	entrance	Passage request	Darcy Johnson		(200)0000	Mark Harrington	'Deny'	Computer 1

The report fields are described in the table.

Field name	Description
Date	Date of the request received by the operator
Passage point	The passage point controlled by the <b>Event Manager</b> module
Event	Request received by the operator
Full Name	Full name of the requesting person
Department	Department of the requesting person

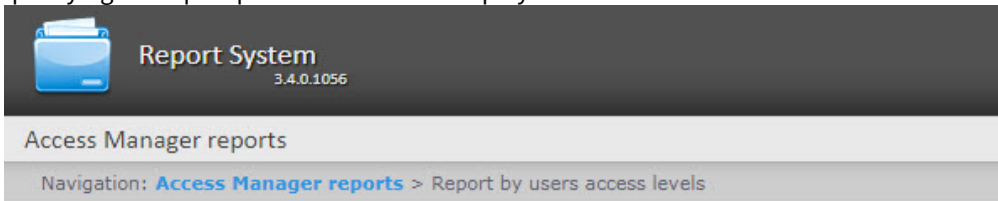
Field name	Description
Card	Card number of the requesting person
Operator	Full name of the oprator
Action	Operator reaction to a request
Workstation	The name of the computer on which the operator action was performed

### 8.3.2.7 Report by users access levels

The **Report by users access levels** is a table which contains the information about the access levels of the selected employees, and the passage points which are available for passing for the selected employees.

To create the **Report by users access levels**, do the following:

1. Select the **Report by users access levels** (see [Selecting the type of Access Manager report](#)). As a result the dialog box for specifying the report parameters will be displayed.



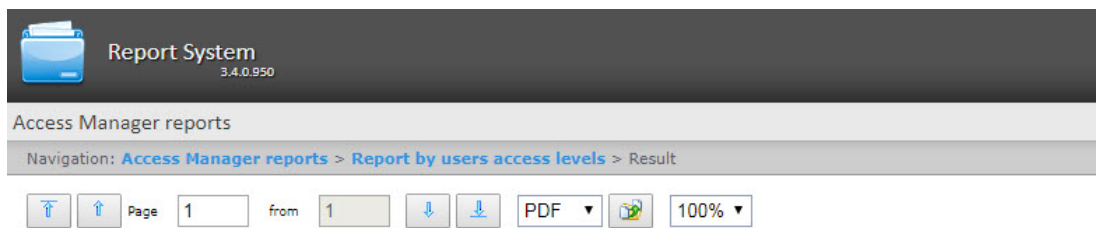
#### Report by users access levels

Parameter	Value
Do not display readers:	<input type="checkbox"/> 1
Departments / Employees:	Choose: All, None View: Hide all, Show all - <input checked="" type="checkbox"/> Department 1 <input checked="" type="checkbox"/> Donne J. <input checked="" type="checkbox"/> Miller S. + <input type="checkbox"/> Department 2
Period:	Current date and time

**Execute 3**

2. Set the report parameters in the following way:
  - a. Set the **Do not display readers** checkbox (1) to hide the readers in the report.
  - b. In the **Departments/Employees** field (2) set the checkboxes for the departments and employees the information on which should be displayed in the report.
3. To create a report click **Execute (3)**.

4. As a result the report with specified parameters is displayed.



### Users access levels

#### Department: Department 1

Personnel number	Full Name	Access levels	Passage points
11111	Donne John	Access level 1	ARC Reader 1.1.1

#### Department: Department 2

Personnel number	Full Name	Access levels	Passage points
22222	Vai Steve	Access level 2	ARC Reader 1.2.1

The report fields are described in the table.

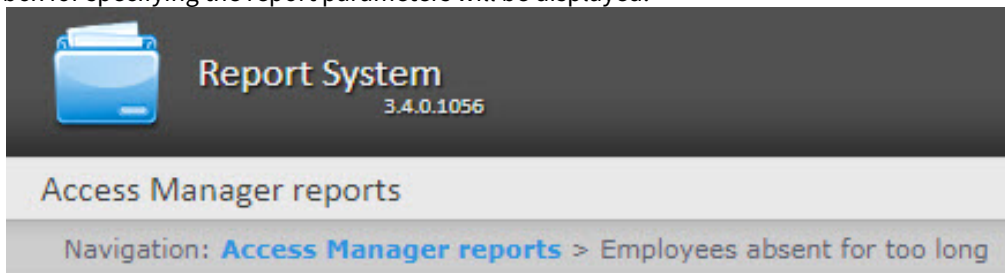
Field name	Description
Personnel number	Employee number
Full name	Full name of the employee
Access levels	Access level of the selected employee
Passage points	Passage points (readers) through which the employee can pass

### 8.3.2.8 Employees absent for too long report

The **Employees absent for too long** report is a table which contains the information about the last passes of the employees who are absent for a long time. Absent means that their cards were not used for a specified number of days.

To create the **Employees absent for too long** report, do the following:

1. Select the **Employees absent for too long** report (see [Selecting the type of Access Manager report](#)). As a result the dialog box for specifying the report parameters will be displayed.

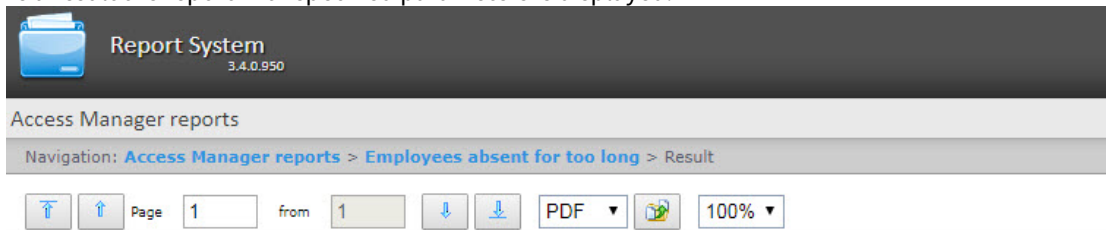


## Employees absent for too long

Parameter	Value
Absent for more than, days:	15 <b>1</b>
Period:	Current date and time

**Execute**

2. In the **Absent for more than, days (1)** specify the required number of days.
3. To create a report click **Execute (2)**.
4. As a result the report with specified parameters is displayed.



Report from: 7/5/2018 5:07:04 PM



## Report by employees not coming for a long time

### Locked employees

Personnel number	Full Name	Card	Last coming	Last device
11111	Donne John	100		
22222	Vai Steve			

The report fields are described in the table.

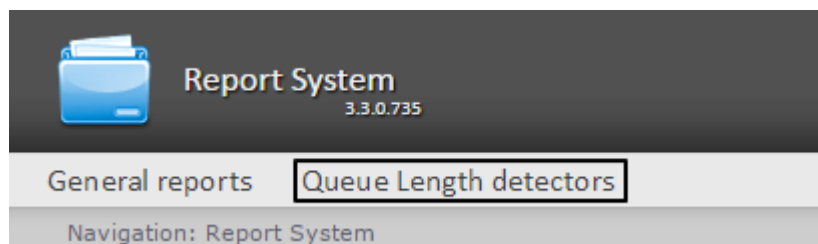
Field name	Description
Personnel number	Employee number
Full Name	Full name of the selected employee
Card	Number of the employee card

Field name	Description
Last coming	Date of the employee last pass through the passage point
Last device	Identifier of the passage point that registered the last employee pass

## 8.4 Working with reports by Queue Length detectors

Rus

Reports by Queue Length detectors are available in the **Queue Length detectors** menu of the *Intellect Web Report System*.



In order to be able to view and generate reports by Queue Length detectors, you should install and configure the **Analytics Pack subsystem**, as described in the [Detector Pack](#) user's manual.

In the **Administration** menu of the *Intellect Web Report System*, you should configure the role with the right to perform the operation of the Queue Length Detector Operator and assign it to the responsible users, as described in [Set up the roles and users](#).

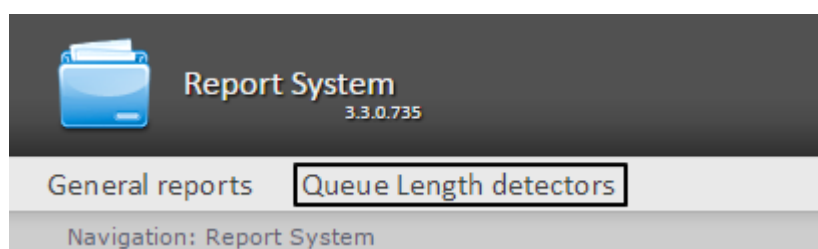
There are two types of reports by Queue Length detectors:

- [Average queue length in time interval](#)
- [Queue length threshold crossing](#)

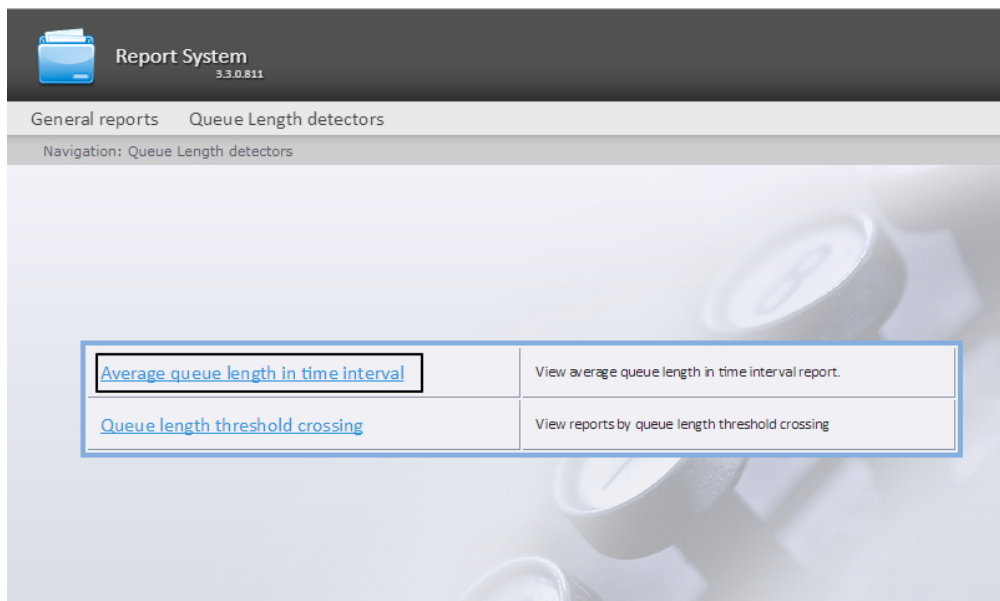
### 8.4.1 Average queue length in time interval

Rus

To create an **Average queue length in time interval** report click **Queue Length detectors** link in the main menu of the *Intellect Web Report System*.

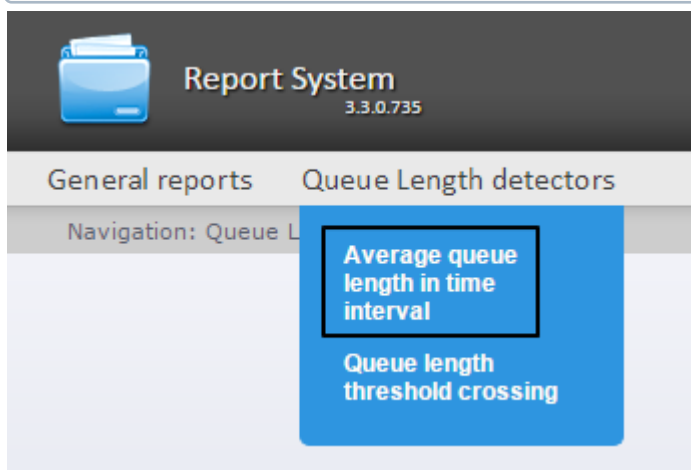


Next, click **Average queue length in time interval**.



**Note.**

A link to the report by average queue length in time interval is also available when the cursor is hovered over the **Queue Length detectors** link in the main menu.



The report by average queue length in time interval page will open.



Report System  
3.3.0.735

General reports Queue Length detectors

Navigation: Queue Length detectors > Average queue length in time interval

## Average queue length in time interval

Parameter	Value
Receiving data period:	User 2 <input type="button" value="from"/> 04/01/2017 <input type="button" value="Calendar"/> 00:00 <input type="button" value="Clock"/> to 04/30/2017 <input type="button" value="Calendar"/> 23:59 <input type="button" value="Clock"/> <b>1</b>
Data averaging interval (min.):	60 <input type="text"/> <b>2</b>
Detectors:	Choose: All, None View: Hide all, Show all <input checked="" type="checkbox"/> Queue Length Detector 1 <input checked="" type="checkbox"/> Queue Length Detector 2 <input checked="" type="checkbox"/> Queue Length Detector 3 <input checked="" type="checkbox"/> Queue Length Detector 4 <input checked="" type="checkbox"/> Queue Length Detector 5 <b>3</b>
Chart:	<input checked="" type="checkbox"/> <b>4</b>
Time zone:	[not apply] <input type="button" value="v"/> <b>5</b>
Orientation:	Portrait <input type="button" value="v"/> <b>6</b>
<b>Execute</b> <b>7</b>	

Set the following report parameters:

- Specify the period in the following way:
  - From the **Period:** drop-down list select the time period for which the report is created (**1**).
  - If the **User defined** period is selected, enter the date of start and end periods for which the report is created in the **from** and **to** fields using the **Calendar** tool. Click the  button near the corresponding field to use the **Calendar** tool.
  - If the **User defined 2** period is selected, additionally enter the time of start and end periods for which the report is created using the  button.  
If another period type is selected, specifying the date of start and end periods is not needed.
- Enter a period of time (in minutes) between load values in the **Step (min.)** field (**2**). The average values of queue length for the specified interval are displayed in the report.

**Note.**

If the average value is null for all such intervals in the specified period, this period will not be reflected in the report. It is recommended to change the step in this case.

- In the **Detectors** field set checkboxes for the **Queue Length Detector** objects that will supply the information for the report (**3**).
- If you want to view a report as a chart, set the corresponding checkbox (**4**).



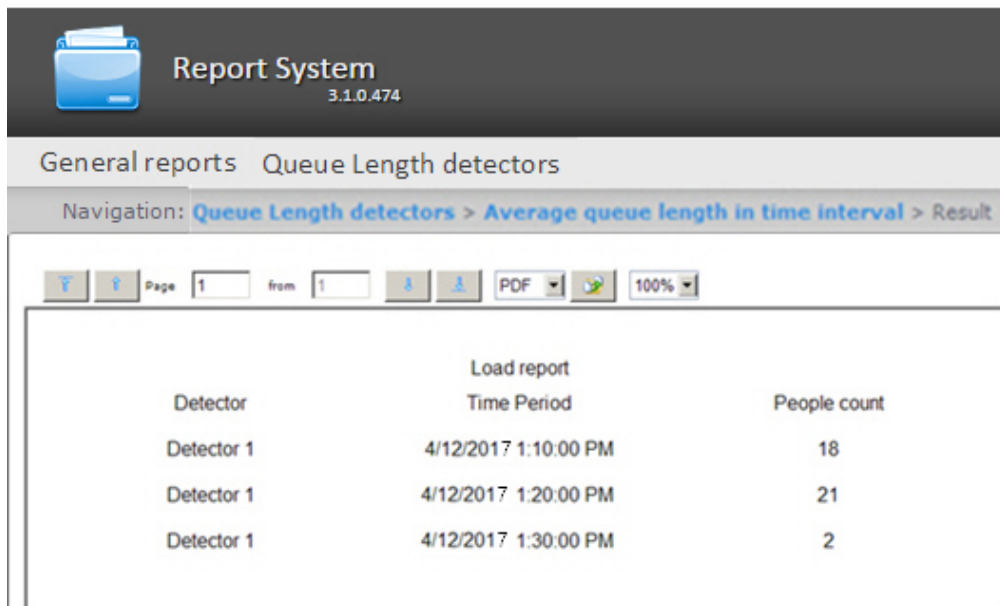
5. From the **Time zone** drop-down list, select time zone by which report is to be created (5).

**Note.**

Time zones created in the *Intellect* software package which have only one time period and haven't got any inclusions are available to select. Selection of week days is not performed. Detailed information about creation and using of time zones is presented in the [Creating and using time zones](#) section.

6. From the **Orientation** drop-down list, select the orientation of the printed report page: **Portrait, Landscape** (6).  
7. To create a report click **Execute** (7).

As a result, the report by the average queue length in time interval with specified parameters will be displayed.



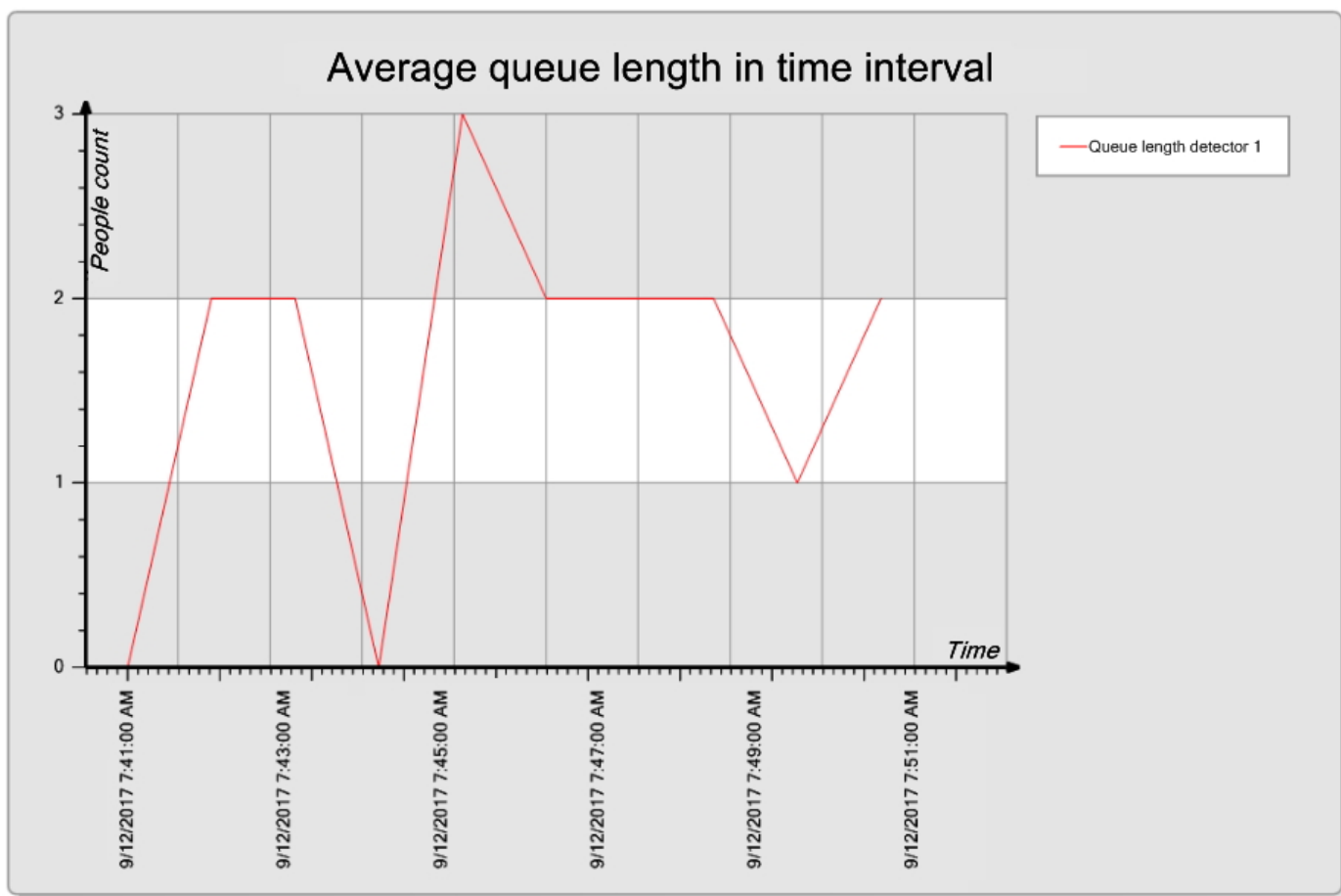
The screenshot shows the 'Report System' interface with the following details:

- Header: Report System 3.1.0.474
- Navigation: Queue Length detectors > Average queue length in time interval > Result
- Page controls: Page 1 from 1, PDF, 100%
- Table data:

Detector	Time Period	People count
Detector 1	4/12/2017 1:10:00 PM	18
Detector 1	4/12/2017 1:20:00 PM	21
Detector 1	4/12/2017 1:30:00 PM	2

Example of a report of average queue length in time interval as a chart is given in the following figure. If more than one detector is used, the data from each detector will be displayed in its own color.

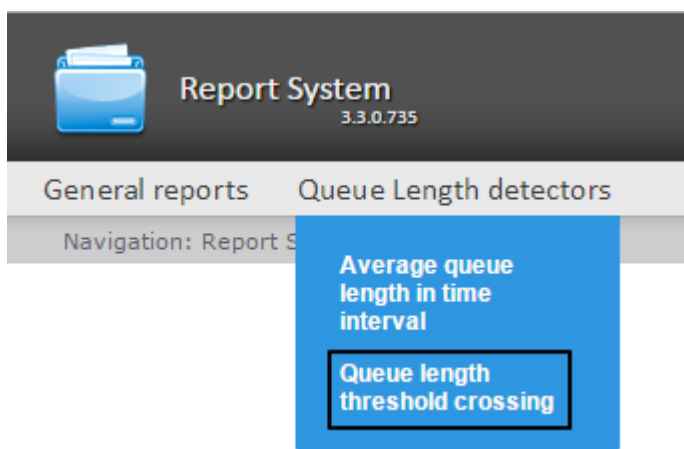
9/12/2017 7:50 49 AM



### 8.4.2 Queue length threshold crossing

Rus

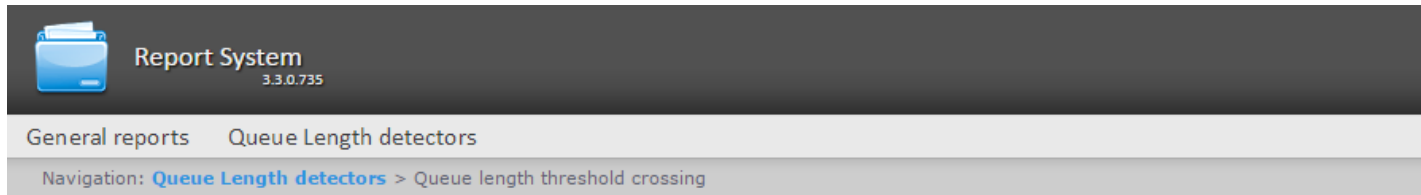
To create a **Queue length threshold crossing** report, hover the cursor on the **Queue Length detectors** item of the main menu of the *Intellect Web Report System*.



**Note**

At the moment of this writing, the **Queue length threshold crossing** report is available only from the drop-down menu.

The report by queue length threshold crossing page will open.



**Queue length threshold crossing**

Parameter	Value
Receiving data period:	User 2  from 05/22/2017  00:00  to 05/28/2017  23:59 <b>1</b>
Threshold (people):	3 <b>2</b>
Repetition avoidance interval (min):	5 <b>3</b>
Detectors:	Choose: <a href="#">All</a> , <a href="#">None</a> View: <a href="#">Hide all</a> , <a href="#">Show all</a> <input checked="" type="checkbox"/> Queue Length Detector 1 <input checked="" type="checkbox"/> Queue Length Detector 2 <input checked="" type="checkbox"/> Queue Length Detector 3 <input checked="" type="checkbox"/> Queue Length Detector 4 <input checked="" type="checkbox"/> Queue Length Detector 5 <b>4</b>

**Execute** **5**

Set the following report parameters:

1. Specify the period in the following way:
  - a. From the **Period:** drop-down list select the time period for which the report is created (**1**).
  - b. If the **User defined** period is selected, enter the date of start and end periods for which the report is created in the **from** and **to** fields using the **Calendar** tool. Click the button near the corresponding field to use the **Calendar** tool.
  - c. If the **User defined 2** period is selected, additionally enter the time of start and end periods for which the report is created using the button.  
If another period type is selected, specifying the date of start and end periods is not needed.
2. In the **Threshold (people)** field set the number of people in the queue, which is considered a threshold (**2**).
3. In the **Repetition avoidance interval (min.)** field enter the time in minutes, during which the event of exceeding the threshold of the queue length will not be generated (**3**).
4. In the **Detectors** field set checkboxes for the **Queue Length Detector** objects that will supply the information for the report (**4**).
5. To create a report click **Execute** (**5**).

As a result, the report by queue length threshold crossing will be generated with the specified parameters.

Navigation: Queue Length detectors > Queue length threshold crossing > Result

The screenshot displays a three-sectioned report structure. Section 1 is a table of event sources, Section 2 is a detailed table for a selected detector, and Section 3 is a video player.

Source	Events
1 Queue Length Detector 1	20
2 Queue Length Detector 2	0
3 Queue Length Detector 3	140
4 Queue Length Detector 4	0
5 Queue Length Detector 5	1

Date	Time	Queue
21.06.2015		
21.06.2015	9:44:05	5
21.06.2015	10:25:37	5
21.06.2015	10:30:37	2
21.06.2015	11:15:09	6
21.06.2015	11:23:40	5
21.06.2015	11:43:10	5
21.06.2015	12:35:43	5
21.06.2015	12:46:43	6
21.06.2015	12:52:44	5

The report has a three-sectioned structure:

1. Section **1** displays a list of queue length detectors that have recorded exceeding the threshold events for the specified period, and the number of recorded events.
2. Section **2** displays a detailed table of events recorded by the detector selected in section **1**, the time of recording for each event, and the number of people in the queue at the specified time. The maximum number of entries on one page of the table is 100.
3. In section **3**, you can watch the video of the event selected in section **2**.

## 8.5 Working with reports by People Counter detectors

### 8.5.1 Creating a report of average number of people in time interval

The **Average number of people in time interval** report allows getting the data about the people quantity for the selected time period. The data can be presented as a table and a chart.

#### Note

The **Average number of people in time interval** report is related to the **People Counter detector** (it is necessary to create the corresponding object in the *Intellect* software).

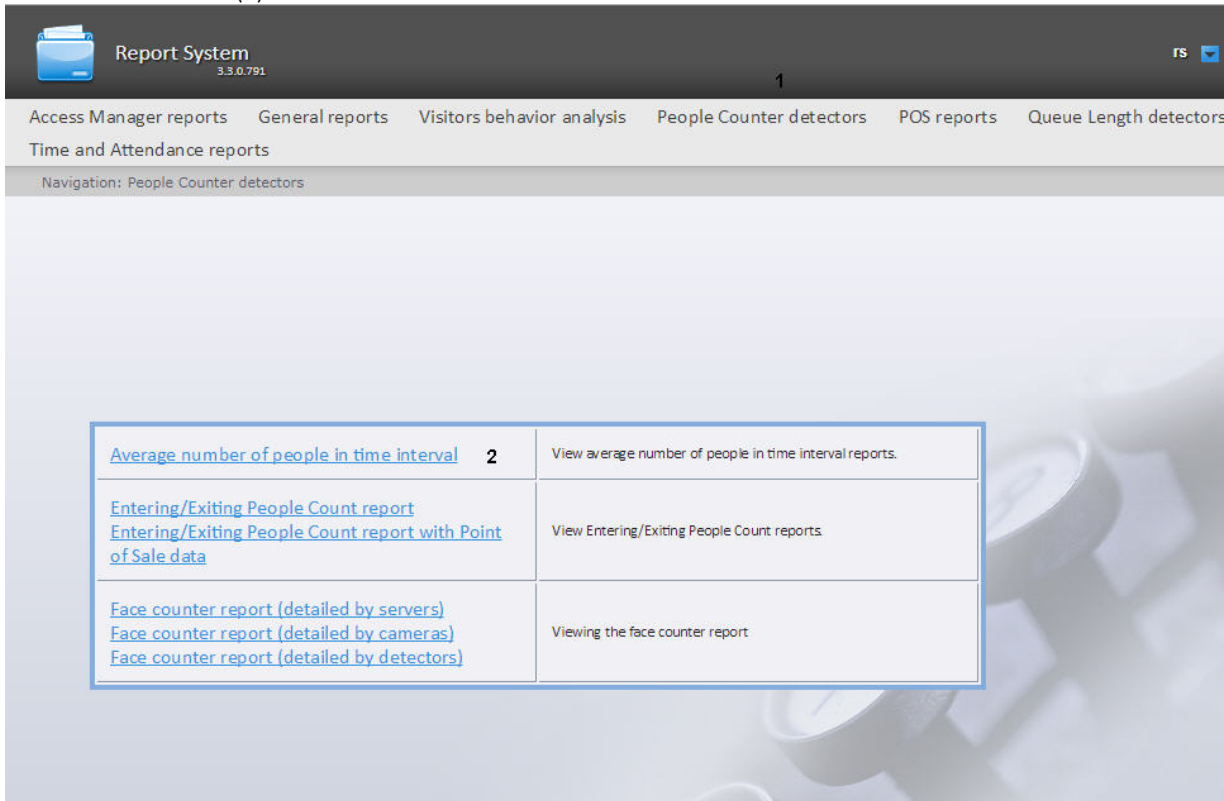
To create the **Average number of people in time interval** report, do the following:

1. Select the **Average number of people in time interval** report type by one of the following ways:

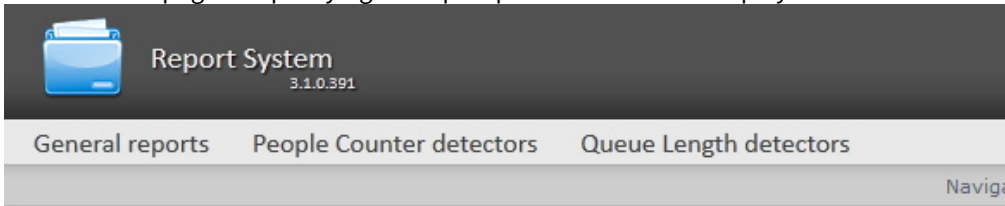
- a. Hover over the **People Counter detectors** tab (1), and click the **Average number of people in time interval** link in the menu (2).



- b. Click the **People Counter detectors** tab (1), wait till the table appears, then click the **Average number of people in time interval** link (2).



2. As a result the page for specifying the report parameters will be displayed.




### Average number of people in time interval


Parameter	Value
Detectors:	Choose: <b>All, None</b> <input checked="" type="checkbox"/> People counter detection 1 <input checked="" type="checkbox"/> People counter detection 2 <span style="float: right;"><b>1</b></span>
Receiving data period:	Last month <input type="button" value="v"/> <b>2</b>
Step:	60 <b>3</b>
Maximum value:	For whole period <input type="button" value="v"/> <b>4</b>
Time zone:	[not applied] <input type="button" value="v"/> <b>5</b>
Chart:	<input checked="" type="checkbox"/> <b>6</b>
Layout:	Landscape <input type="button" value="v"/> <b>7</b>
Sum result:	<input type="checkbox"/> <b>8</b>
<b>Execute</b> <b>9</b>	

3. Set the report parameters in the following way:

- a. In the **Detectors** field set checkboxes for those **People counter** objects which data should be displayed in the report **(1)**.
- b. Specify the period in the following way:
  - i. From the **Receiving data period** drop-down list select the time period for which the report is to be created **(2)**.
  - ii. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool.

**Note**

To use the **Calendar** tool, click the  button near the corresponding field.

- iii. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.

- iv. If other period type is selected, specifying the date of start and end periods is not needed.
- c. Enter a time period (in minutes) during which the values received from people counter detector will be averaged in the **Step** field (3). The average values of people amount for the specified interval are displayed in the report.

**Note.**


If the average value is null the empty report will be displayed for such intervals for the specified period. It is recommended to change the step in this case.

- d. In the **Maximum value** field specify a maximum value of people that will be displayed in a chart (4).
- e. From the **Time zone** drop-down list select time zone by which report is to be created (5).

**Note.**

Time zones created in the *Intellect* software package which have only one time period and haven't got any inclusions are available to select. Selection of week days is not performed. Detailed information about creation and using of time zones is presented in the [Creating and using time zones](#) section.

- f. If it is necessary to view a report as a chart, set the **Chart** checkbox (6).
  - g. In the **Layout** field, select the print layout of the report: **Portrait, Landscape** (7).
  - h. Set the **Sum results** checkbox to display sum result by selected detections in the report (8).
4. To create a report click **Execute** (9).
  5. As a result the report with specified parameters will be displayed.


Report System  
2.7.2.959

QueueLength Reports
Time and Attendance reports
POS reports
PeopleCounter Reports

Navigation: [PeopleCounter Reports](#) > [Load Report](#) > Result

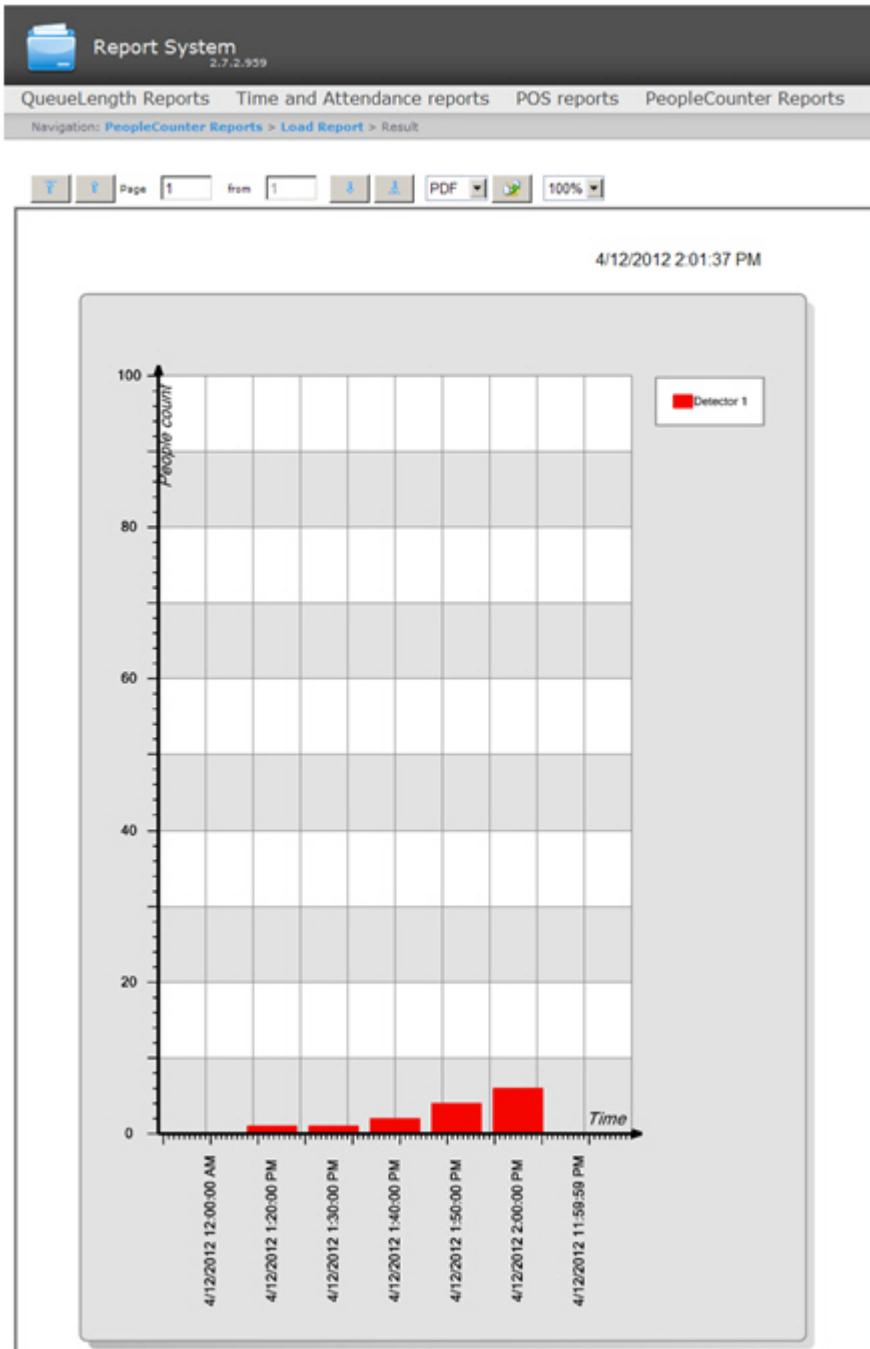
↑
↑
Page

from

↓
↓
PDF
📄
100%

People counter report		
Detector	Time Period	People count
Detector 1	4/12/2012 1:20:00 PM	1
Detector 1	4/12/2012 1:30:00 PM	1
Detector 1	4/12/2012 1:40:00 PM	2
Detector 1	4/12/2012 1:50:00 PM	4
Detector 1	4/12/2012 2:00:00 PM	6

The example of the report as a chart is given in the following figure.





**Note**

The procedure of the **People Counter detector** operation for building the **Average number of people in time interval** report is as follows:

1. The basic data are the entering and exiting events sorted by time.
2. The previous calculations to create the **Number of people at a time** function are performed:
  - a. During the specified period the "current number of people" in the zone is calculated at a time. Depending on the people entering or exiting the basic data is increasing or reducing by one.
  - b. If the "current number of people" takes the negative value on the next step (the number of exiting people from the area is more than number of entering people to this area), the "current number of people" is set to zero. Also, the "current number of people" is set to zero every day at 2 a.m. (on default) or after the time (in minutes) past midnight specified as PeopleCounterZeroPointMinute key in C:\Program Files\Intellect\Modules\Wt2\Web.config file.  
For example, the string  
add key="PeopleCounterZeroPointMinute" value="60"  
means that the people counter is set to zero in 60 minutes past midnight.
  - c. If there are no events about entering or exiting to the defined time, the "current number of people" remains unchanged.
3. For every interval the average number of people being in the area is calculated. The **Average number of people for the interval** is calculated as the average value of the "Number of people at a time" function at a time.

## 8.5.2 Creating an Entering/Exiting People Count report

The **Entering/Exiting People Count** report allows getting the data about the number of entering/exiting people. The data can be presented as a table and a chart.

**Note**

The **Entering/Exiting People Count** report is related to the **People Counter detector** (it is necessary to create the corresponding object in the *Intellect* software).

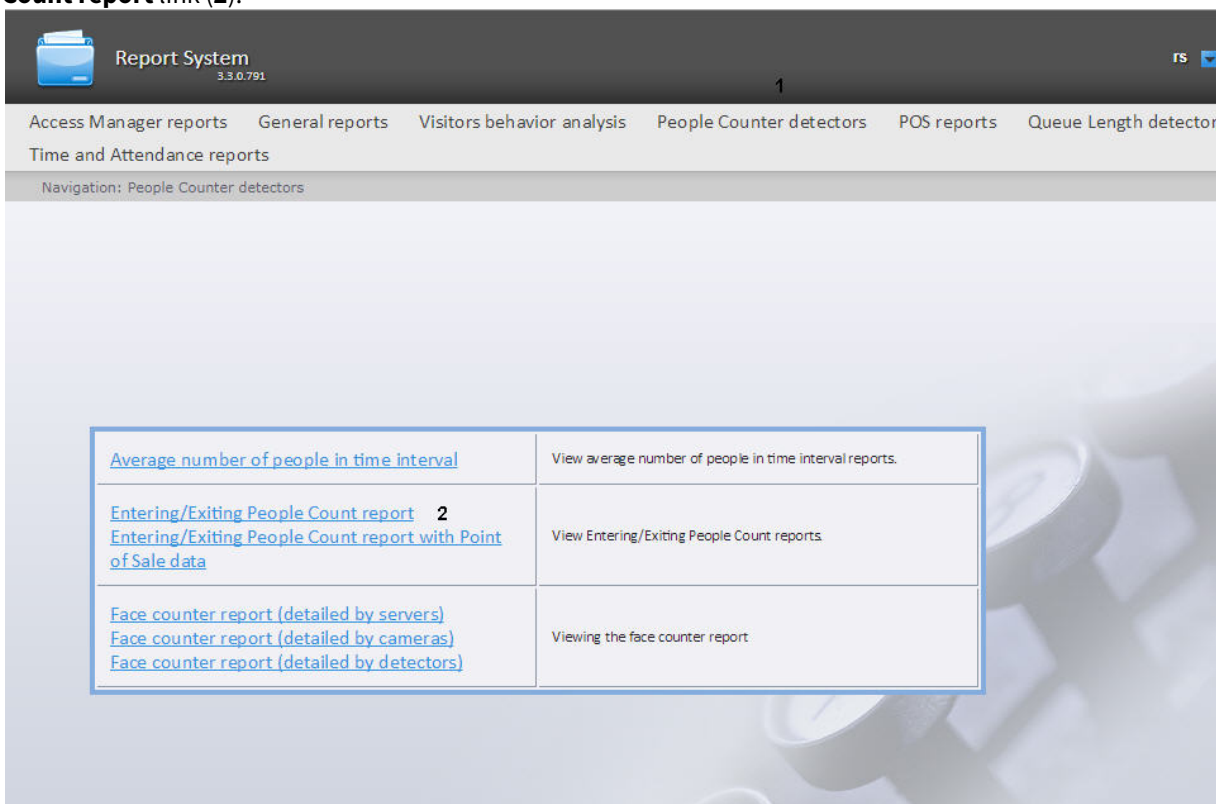
To create an **Entering/Exiting People Count** report, do the following:

1. Select the **Entering/Exiting People Count** report type by one of the following ways:

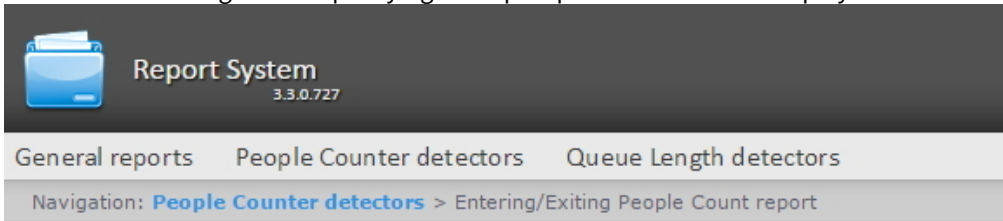
- a. Hover over the **People Counter detectors** tab (1), and click the **Entering/Exiting People Count report** link in the menu (2).



- b. Click the **People Counter detectors** tab (1), wait till the table appears, then click the **Entering/Exiting People Count report** link (2).



2. As a result the dialog box for specifying the report parameters will be displayed.



### Entering/Exiting People Count report

Parameter	Value
Detectors:	1
Choose: <b>All, None</b> View: <b>Hide all, Show all</b>	
<input checked="" type="checkbox"/> People counter detection 1 <input checked="" type="checkbox"/> People counter detection 2 <input checked="" type="checkbox"/> Entry <input checked="" type="checkbox"/> Exit <input checked="" type="checkbox"/> Entry+Exit	
Add total per day:	<input type="checkbox"/> 2
Show only total per day:	<input type="checkbox"/> 3
Receiving data period:	Last month 4
Step:	60 5
Maximum value:	For whole period 6
Time zone:	[not applied] 7
Chart:	<input checked="" type="checkbox"/> 8
Layout:	Landscape 9
Sum result:	<input type="checkbox"/> 10

**Execute** 11

3. Set the report parameters in the following way:

- a. In the **Detectors** field set checkboxes for those **People counter** objects which data should be displayed in the report (1). For each detector select a value on which the report is to be created: entry, exit, entry+exit.

**Note.**  
 Select the **Entry+Exit** value if the report is to be created on total number of passes.

- b. Set the **Add total per day** checkbox to display the sum of positions per day (2).
- c. Set the **Show only total per day** checkbox to display the sum of positions per day taking into account the time filtering (3).
- d. Specify the period in the following way:


- i. From the **Receiving data period** drop-down list select the time period for which the report is to be created **(4)**.
- ii. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool.

**Note**

To use the **Calendar** tool, click the



button near the corresponding field.

- iii. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.
  - iv. If other period type is selected, specifying the date of start and end periods is not needed.
- e. Enter a time period (in minutes) during which the values received from people counter detector will be averaged in the **Step** field **(5)**. The average values of people amount for the specified interval are displayed in the report.

**Note**

If the average value is null the empty report will be displayed for such intervals for the specified period. It is recommended to change the step in this case.

- f. In the **Maximum value** field specify a maximum value of people that will be displayed in a chart **(6)**.
- g. From the **Time zone** drop-down list select time zone by which report is to be created **(7)**.

**Note**

Time zones created in the *Intellect* software package which have only one time period and haven't got any inclusions are available to select. Selection of week days is not performed. Detailed information about creation and using of time zones is presented in the [Creating and using time zones](#) section.

- h. If it is necessary to view a report as a chart, set the **Chart** checkbox **(8)**.
  - i. In the **Layout** field, select the print layout of the report: **Portrait, Landscape** **(9)**.
  - j. Set the **Sum result** checkbox to display sum result by selected detections in the report **(10)**.
4. To create a report click **Execute** **(11)**.

5. As a result the report with specified parameters will be displayed.

The screenshot shows the Report System interface with the following elements:

- Header: Report System 2.12.0.15
- Navigation: People Counter detectors > Queue Length detectors
- Breadcrumbs: Navigation: [People Counter detectors](#) > [Entering/Exiting People Count report](#) > Result
- Page controls: Page 1 from 2, PDF, 100%

The main content is a table titled "Entering People Count report" with the following data:

Detector	Time Period	People count
PEOPLE_COUNTER 1	5/29/2013 12:55:00 PM	42
PEOPLE_COUNTER 1	5/29/2013 1:00:00 PM	66
PEOPLE_COUNTER 1	5/29/2013 1:05:00 PM	58
PEOPLE_COUNTER 1	5/29/2013 1:10:00 PM	46
PEOPLE_COUNTER 1	5/29/2013 1:15:00 PM	45
PEOPLE_COUNTER 1	5/29/2013 1:20:00 PM	41
PEOPLE_COUNTER 1	5/29/2013 1:25:00 PM	40

The example of the report as a chart is given in the following figure.

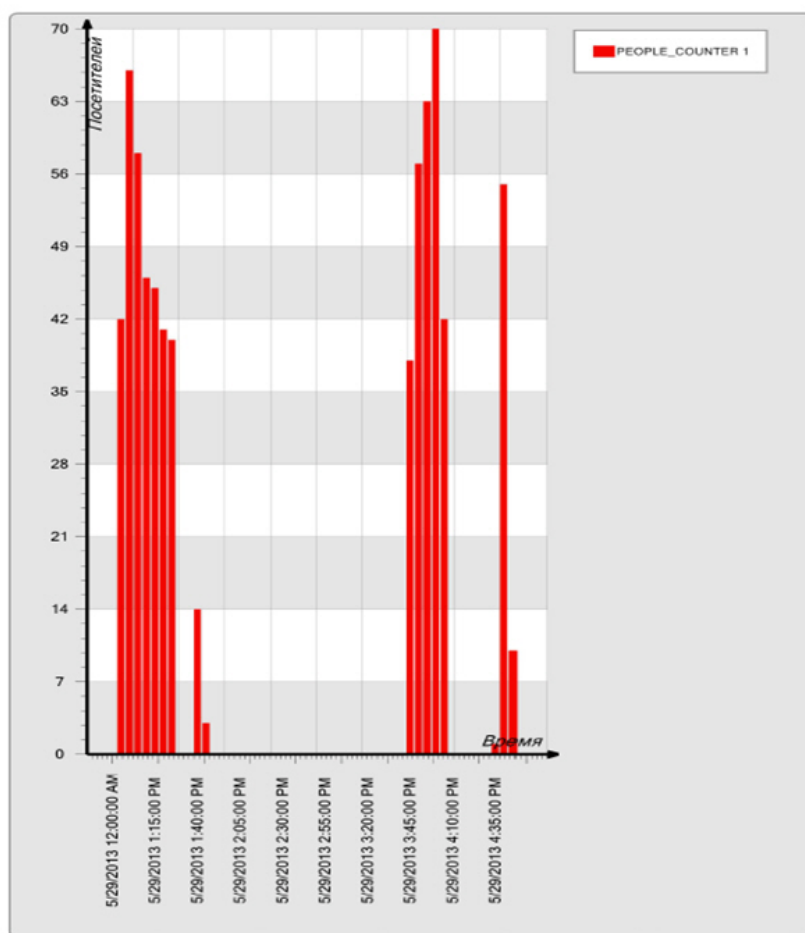
Report System 2.12.0.15

People Counter detectors Queue Length detectors

Navigation: [People Counter detectors](#) > [Entering/Exiting People Count report](#) > Result

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Entering People Count report 5/29/2013 4:52:26 PM



**Note**

Counting the number of entering/exiting people is performed by summing up the "entry"/"exit" events number at each step of the calculations.

### 8.5.3 Creating an Entering/Exiting People Count report with Point of Sale data

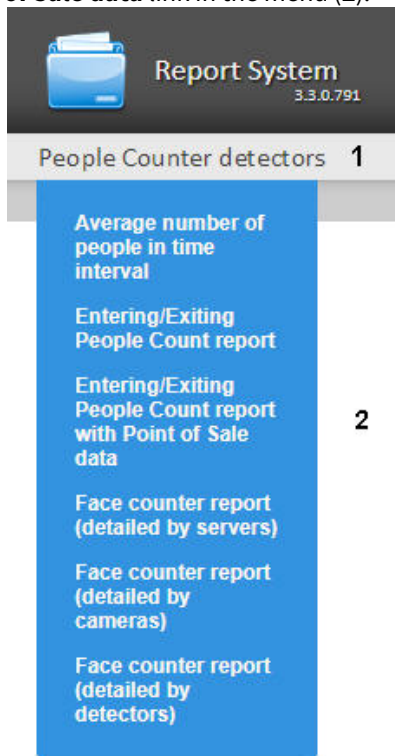
The **Entering/Exiting People Count report with Point of Sale data** is a variation of the [Entering/Exiting People Count](#) report, which, in addition to data on the number of visitors, can provide information about the profits brought by visitors. The data can be presented only as a table.

**Note**

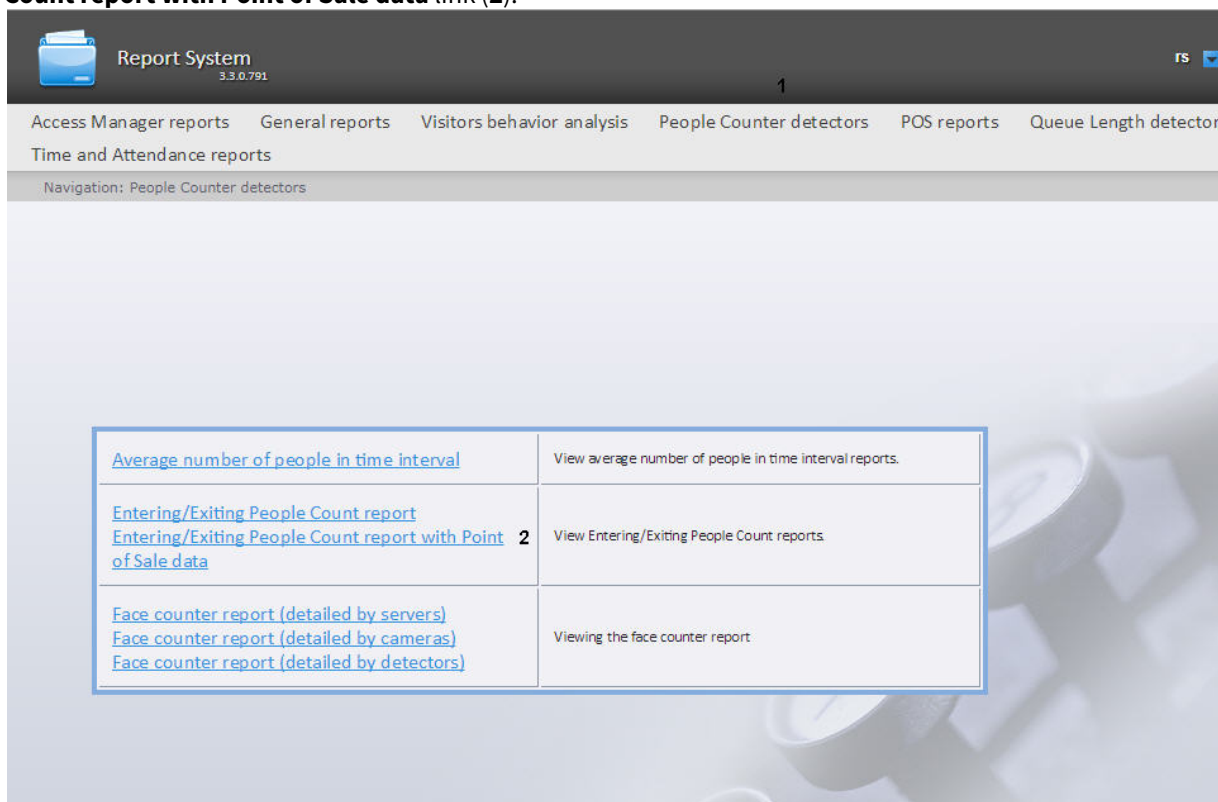
The **Entering/Exiting People Count report with Point of Sale data** is related to the **People Counter detector** and the *POS Intellect* software (it is necessary to create the corresponding objects in the *Intellect* software and configure the *POS Intellect* software (for details, see [Administrator's Guide](#))). The information about the profits brought by visitors is received from the database of the Server which was specified during the *POS Intellect* installation.

To create an **Entering/Exiting People Count report with Point of Sale data**, do the following:

1. Select the **Entering/Exiting People Count report with Point of Sale data** by one of the following ways:
  - a. Hover over the **People Counter detectors** tab (1), and click the **Entering/Exiting People Count report with Point of Sale data** link in the menu (2).



- b. Click the **People Counter detectors** tab (1), wait till the table appears, then click the **Entering/Exiting People Count report with Point of Sale data** link (2).





2. As a result the dialog box for specifying the report parameters will be displayed.

Parameter	Value
Detectors: 1	Choose: All, None View: Hide all, Show all <ul style="list-style-type: none"> <li>- <input checked="" type="checkbox"/> People counter detection 1                             <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Entry</li> <li><input checked="" type="checkbox"/> Exit</li> <li><input checked="" type="checkbox"/> Entry+Exit</li> </ul> </li> <li>+ <input checked="" type="checkbox"/> People counter detection 2</li> <li>+ <input checked="" type="checkbox"/> People counter detection 3</li> </ul>
Add total per day:	<input type="checkbox"/> 2
Show only total per day:	<input type="checkbox"/> 3 4
Receiving data period:	User 2 ▼ from 08/01/2017 08:00 to 08/31/2017 22:00
Step:	60 5
Time zone:	[not apply] ▼ 6
Sum result:	<input type="checkbox"/> 7

**Execute** 8

3. Set the report parameters in the following way:


- a. In the **Detectors** field set checkboxes in those **People counter** objects information on which should be displayed in the report (1). For each detector select a value on which the report is to be created: entry, exit, entry+exit.

**Note.**  
Select the **Entry+Exit** value if the report is to be created on total number of passes.

- b. Set the **Add total per day** checkbox to display sum of positions per day (2).
- c. Set the **Show only total per day** to display the sum of positions per day taking into account the time filtering (3).
- d. Specify the period in the following way:
  - i. From the **Receiving data period:** drop-down list select the time period for which the report is to be created (4).
  - ii. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool.

**Note**

Click the  button near the corresponding field to use the **Calendar** tool.

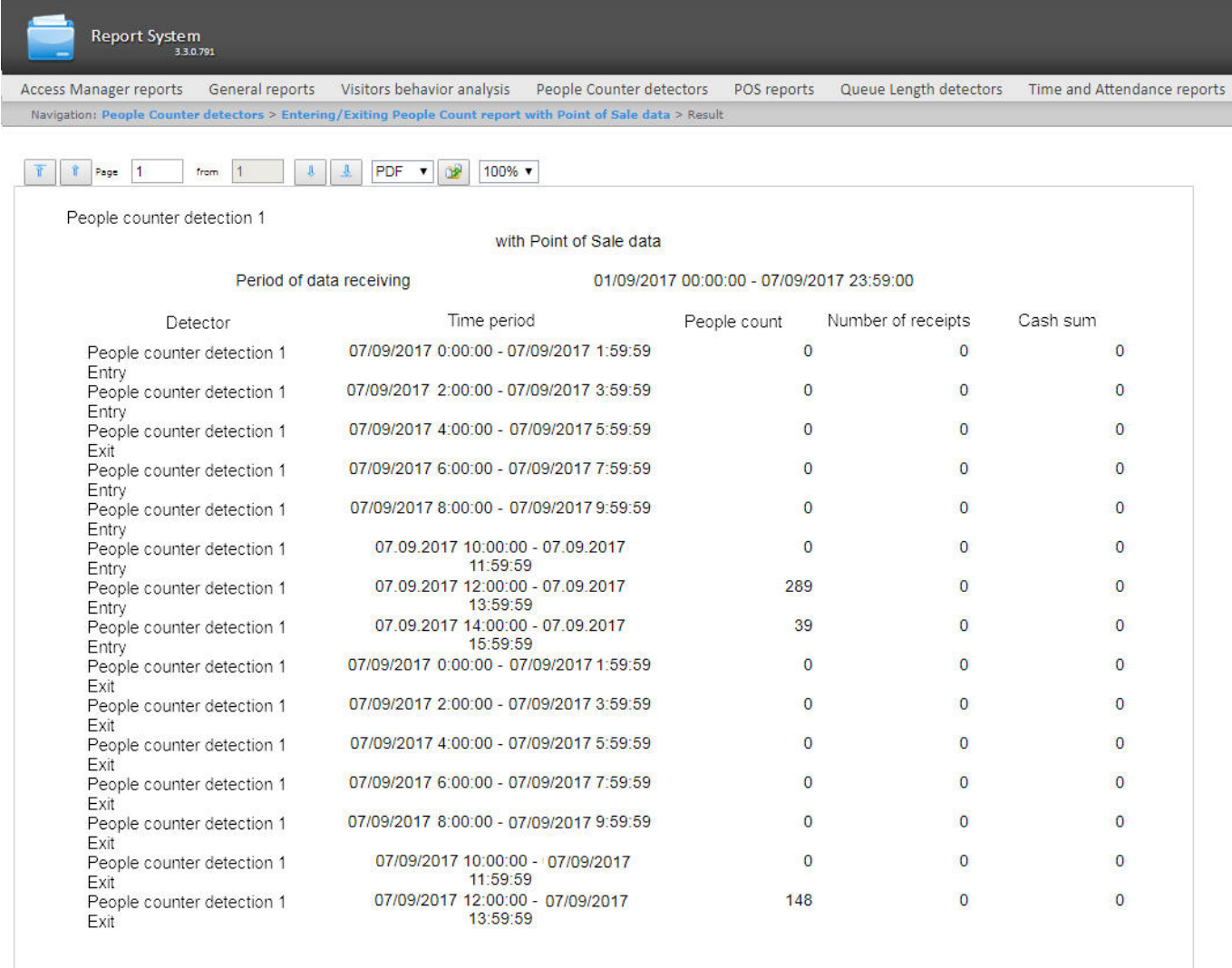
- iii. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.
- iv. If another period type is selected, specifying the date of start and end periods is not needed.
- e. Enter a time period (in minutes) during which the values received from people counter detector will be summarized in the **Step** field (5).
- f. From the **Time zone** drop-down list select time zone by which report is to be created (6).

**Note.**

Time zones created in the *Intellect* software package which have only one time period and haven't got any inclusions are available to select. Selection of week days is not performed. Detailed information about creation and using of time zones is presented in the [Creating and using time zones](#) section.

- g. Set the **Sum result** checkbox to display sum result by selected detections in the report (7).
4. To create a report click **Execute** (8).

5. As a result an **Entering/Exiting People Counter report** with specified parameters will be displayed, containing two additional columns: **Number of receipts** and **Cash sum**.



Report System  
3.3.0.791

Access Manager reports   General reports   Visitors behavior analysis   People Counter detectors   POS reports   Queue Length detectors   Time and Attendance reports

Navigation: [People Counter detectors](#) > [Entering/Exiting People Count report with Point of Sale data](#) > Result

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People counter detection 1  
with Point of Sale data

Period of data receiving 01/09/2017 00:00:00 - 07/09/2017 23:59:00

Detector	Time period	People count	Number of receipts	Cash sum
People counter detection 1 Entry	07/09/2017 0:00:00 - 07/09/2017 1:59:59	0	0	0
People counter detection 1 Entry	07/09/2017 2:00:00 - 07/09/2017 3:59:59	0	0	0
People counter detection 1 Exit	07/09/2017 4:00:00 - 07/09/2017 5:59:59	0	0	0
People counter detection 1 Entry	07/09/2017 6:00:00 - 07/09/2017 7:59:59	0	0	0
People counter detection 1 Entry	07/09/2017 8:00:00 - 07/09/2017 9:59:59	0	0	0
People counter detection 1 Entry	07.09.2017 10:00:00 - 07.09.2017 11:59:59	0	0	0
People counter detection 1 Entry	07.09.2017 12:00:00 - 07.09.2017 13:59:59	289	0	0
People counter detection 1 Entry	07.09.2017 14:00:00 - 07.09.2017 15:59:59	39	0	0
People counter detection 1 Exit	07/09/2017 0:00:00 - 07/09/2017 1:59:59	0	0	0
People counter detection 1 Exit	07/09/2017 2:00:00 - 07/09/2017 3:59:59	0	0	0
People counter detection 1 Exit	07/09/2017 4:00:00 - 07/09/2017 5:59:59	0	0	0
People counter detection 1 Exit	07/09/2017 6:00:00 - 07/09/2017 7:59:59	0	0	0
People counter detection 1 Exit	07/09/2017 8:00:00 - 07/09/2017 9:59:59	0	0	0
People counter detection 1 Exit	07/09/2017 10:00:00 - 07/09/2017 11:59:59	0	0	0
People counter detection 1 Exit	07/09/2017 12:00:00 - 07/09/2017 13:59:59	148	0	0

#### 8.5.4 Creating a Face counter report (detailed by servers)

The **Face counter report (detailed by servers)** allows getting data about the number of captured faces (people/persons) using the data from the face recognition servers. The data can be presented as a table and a chart.

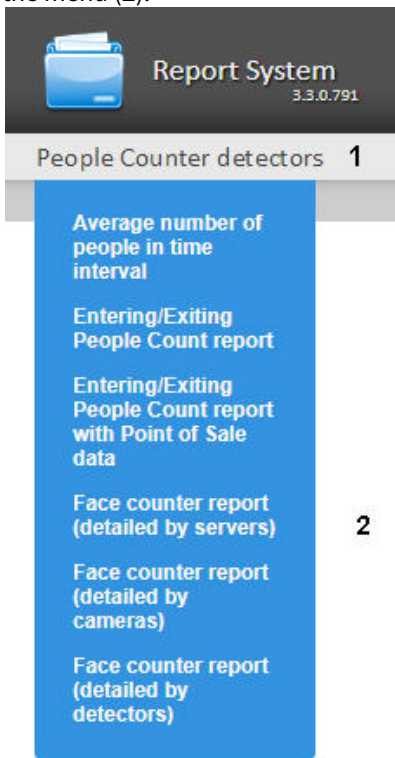
##### Note

The **Face counter report (detailed by servers)** is related to the **Face Recognition Server** object (it is necessary to create the corresponding object in the *Intellect* software).

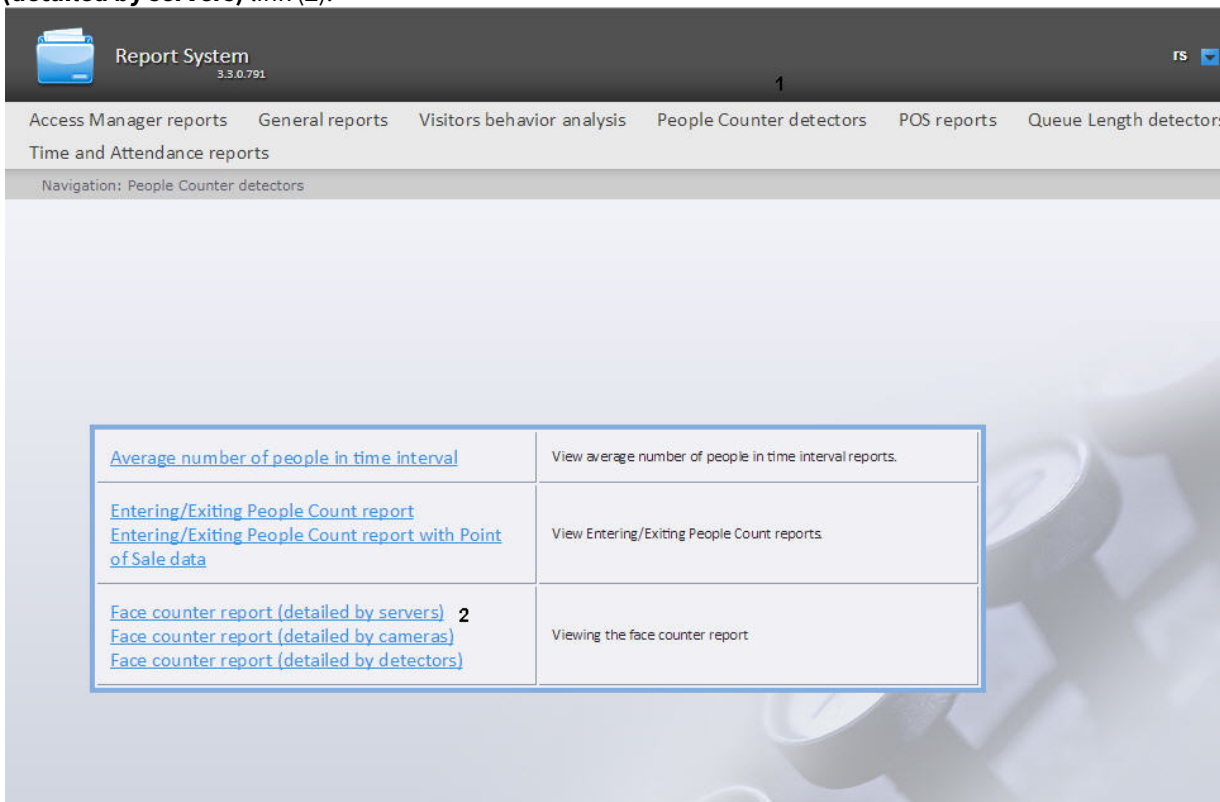
To create the **Face counter report (detailed by servers)**, do the following:

1. Select the **Face counter report (detailed by servers)** by one of the following ways:

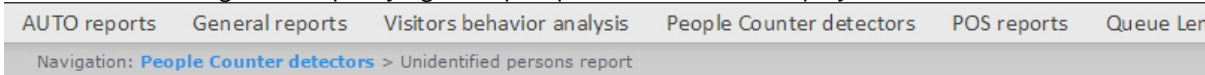
- a. Hover over the **People Counter detectors** tab (1), and click the **Face counter report (detailed by servers)** link in the menu (2).



- b. Click the **People Counter detectors** tab (1), wait till the table appears, then click the **Face counter report (detailed by servers)** link (2).



2. As a result the dialog box for specifying the report parameters will be displayed.



**Unidentified persons report**

Parameter	Value
Detectors:	Choose: <b>All, None</b> <input checked="" type="checkbox"/> Face Recognition Server 1 <input checked="" type="checkbox"/> Face Recognition Server 2 <span style="float: right;">1</span>
Add total per day:	<input type="checkbox"/> 2 <span style="float: right;">3</span>
Receiving data period:	User defined 2 ▼ from 09/01/2015  00:00  to 09/30/2015  23:59
Step:	60 4
Maximum value:	For whole period ▼ 5
Time zone:	[not apply] ▼ 6
Chart:	<input checked="" type="checkbox"/> 7
Layout:	Landscape ▼ 8
Sum result:	<input type="checkbox"/> 9
<b>Execute</b> 10	

3. Set the report parameters in the following way:
- a. In the **Detectors** field set checkboxes in those **Face Recognition Server** objects information on which should be displayed in the report (1).
  - b. Set the **Add total per day** checkbox to display sum of positions per day (2).
  - c. Specify the period in the following way:
    - i. From the **Receiving data period** drop-down list select the time period for which the report is to be created (3).
    - ii. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool.

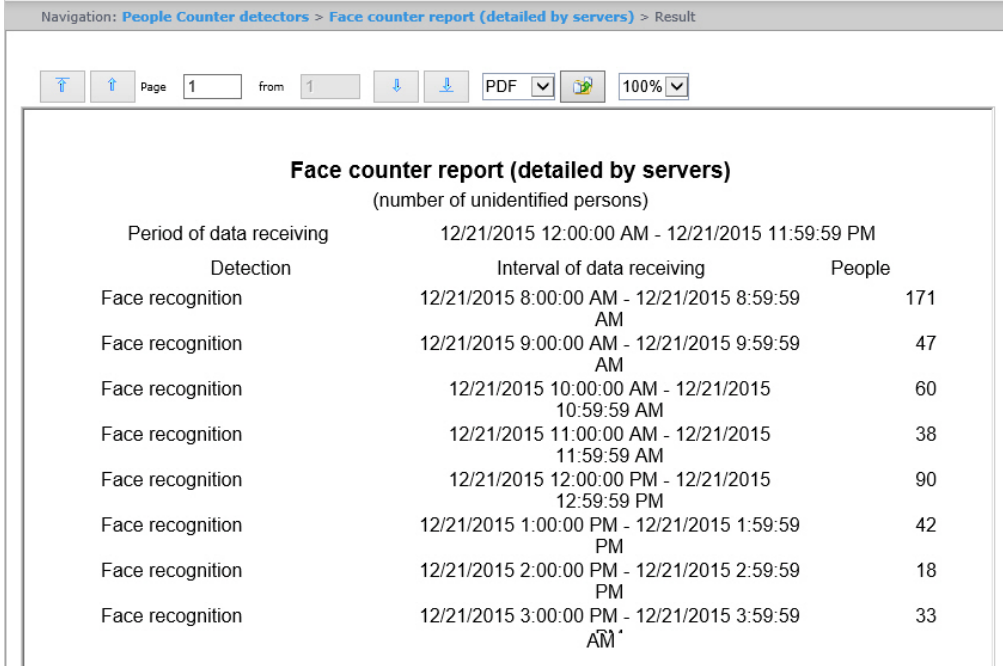
**Note**

Click the button near the corresponding field to use the **Calendar** tool.

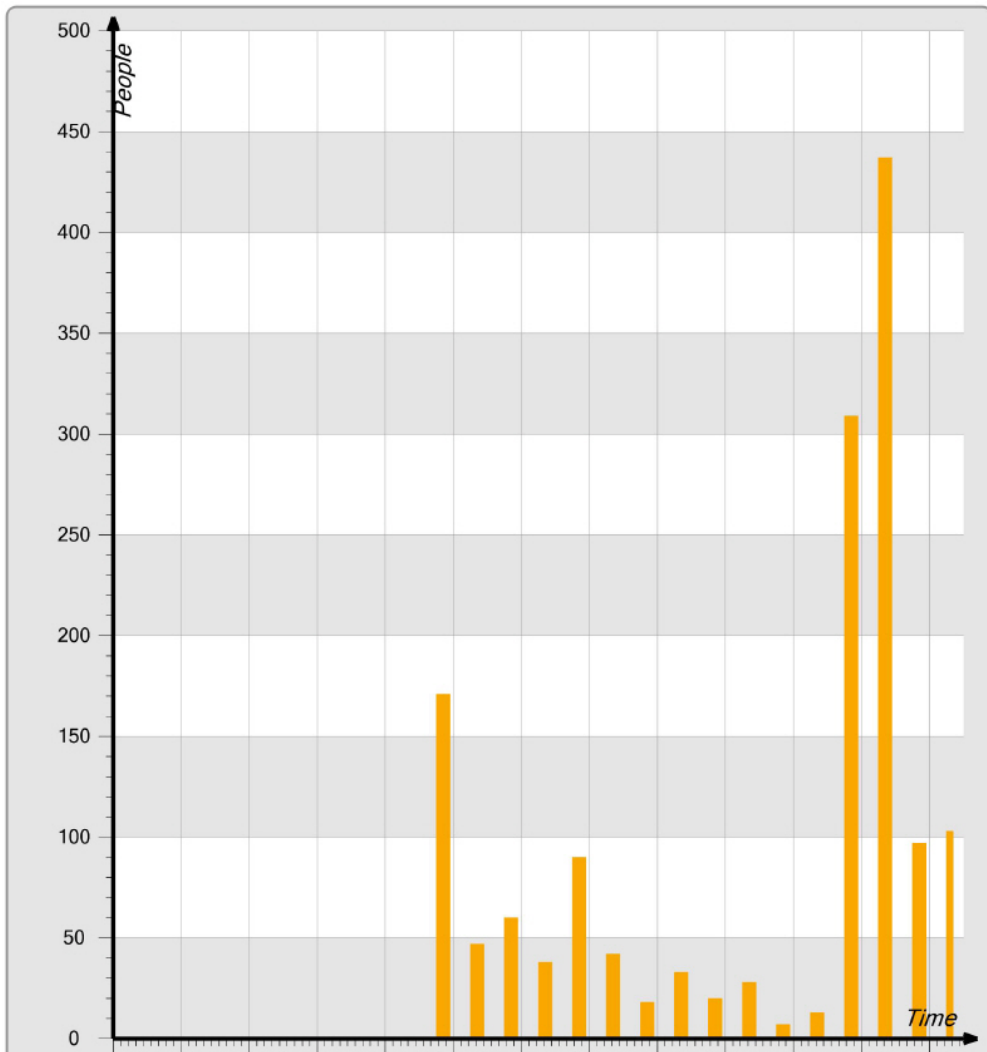
    - iii. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the button.
    - iv. If another period type is selected, specifying the date of start and end periods is not needed.
  - d. Enter a time period (in minutes) during which the values received from people counter detector will be summarized in the **Step** field (4).
  - e. From the **Maximum value** drop-down list select a maximum value of people that will be displayed in a chart (5).
  - f. From the **Time zone** drop-down list select time zone by which report is to be created (6).

**Note.**  
 Time zones created in the *Intellect* software package which have only one time period and haven't got any inclusions are available to select. Selection of week days is not performed. Detailed information about creation and using of time zones is presented in the [Creating and using time zones](#) section.

- g. If it is necessary to view a report as a chart, set the corresponding checkbox (7).
  - h. In the **Layout** field, select the print layout of the report: **Portrait, Landscape** (8).
  - i. Set the **Sum results** checkbox to display sum result by selected detections in the report (9).
4. To create a report click **Execute** (10).
5. As a result a face counter report detailed by servers with specified parameters is displayed.



Example of a face counter report detailed by servers as a chart is given in the following figure.

**Note**

The number of people (persons) in the report means the number of captured faces, not the number of unique visitors.

If there is no data for specified time period, the report will be displayed as in the following figure.

The screenshot shows the Intellect Web Report System interface. At the top, there is a header with a folder icon and the text 'Report System 3.4.0.944'. Below the header, there are two tabs: 'People Counter detectors' and 'Queue Length detectors'. The 'People Counter detectors' tab is active, and the breadcrumb navigation shows 'People Counter detectors > Face counter report (detailed by servers) > Result'. Below the navigation, there is a toolbar with icons for home, back, page navigation (Page 1 from 1), download, PDF, and zoom (100%). The main content area displays the 'axxonsoft' logo with the tagline 'EXPERIENCE THE NEXT'. Below the logo, the text reads 'Face counter report (detailed by servers)' and 'There is no data for the selected period'.

### 8.5.5 Creating a Face counter report (detailed by cameras)

The **Face counter report (detailed by cameras)** allows getting data about the number of captured faces (people/persons) using data from the video cameras. The data can be presented as a table and a chart.

#### Note

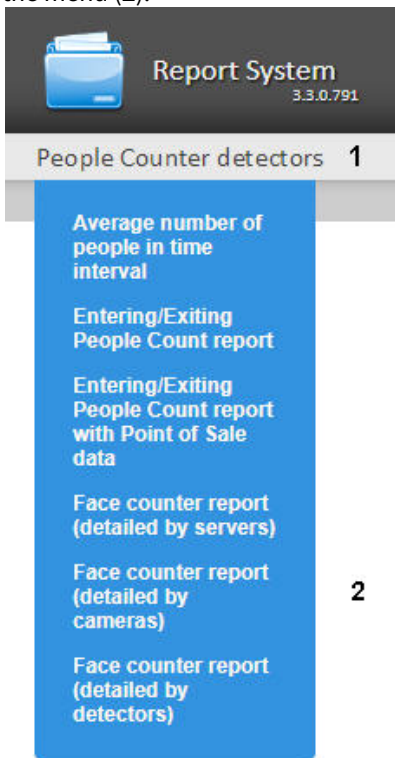
The **Face counter report (detailed by cameras)** is related to the **Camera** object (it is necessary to create the corresponding object in the *Intellect* software).

To create the **Face counter report (detailed by cameras)**, do the following:

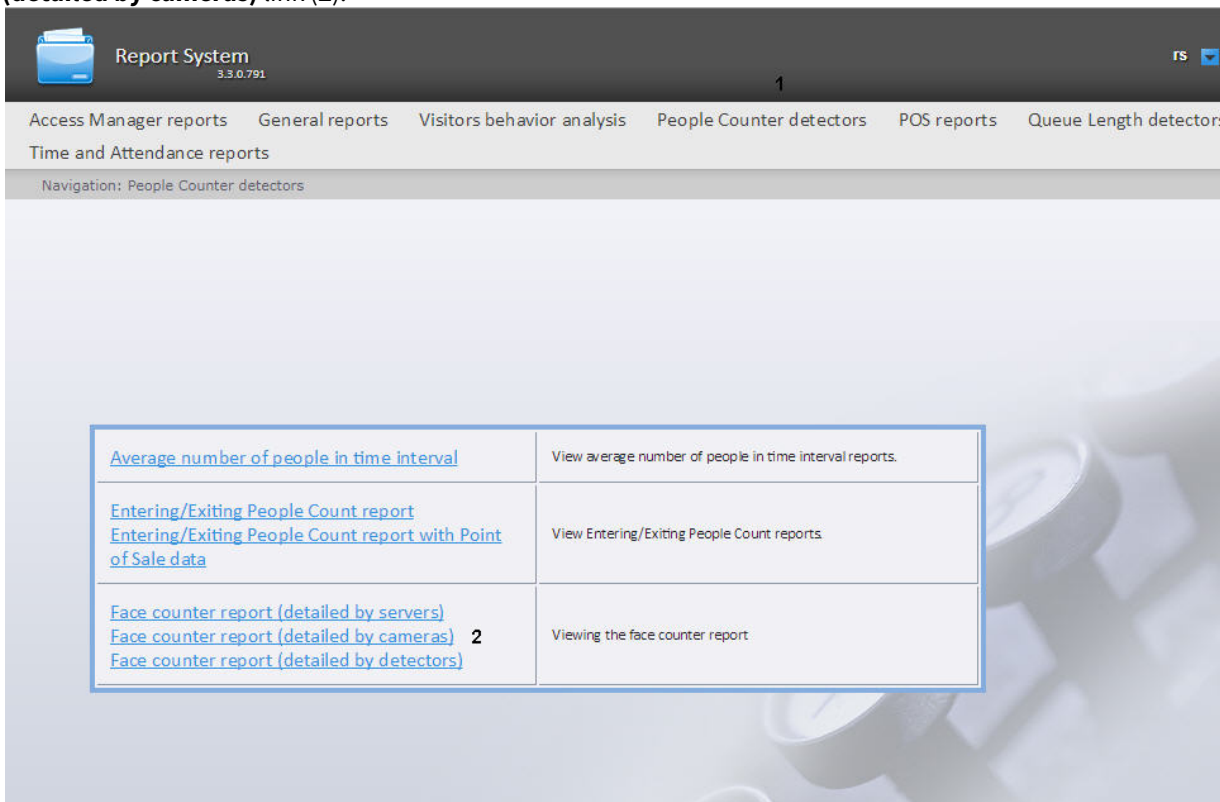
1. Select the **Face counter report (detailed by cameras)** by one of the following ways:



- a. Hover over the **People Counter detectors** tab (1), and click the **Face counter report (detailed by cameras)** link in the menu (2).



- b. Click the **People Counter detectors** tab (1), wait till the table appears, then click the **Face counter report (detailed by cameras)** link (2).





2. As a result the dialog box for specifying the report parameters will be displayed.

Parameter	Value
Choose:	All, None
Cameras:	<input checked="" type="checkbox"/> Camera 4
Add total per day:	<input type="checkbox"/> 2 3
Receiving data period:	User 2 from 01/01/2016 00:00 to 01/31/2016 23:59 4
Step:	60 4
Maximum value:	For whole period 5
Time zone:	[not apply] 6
Chart:	<input checked="" type="checkbox"/> 7
Layout:	Landscape 8
Sum result:	<input type="checkbox"/> 9

**Execute** 10

3. Set the report parameters in the following way:

- a. In the **Cameras** field set checkboxes for those **Camera** objects, the information on which should be displayed in the report (1).
  - b. Set the **Add total per day** checkbox to display sum of positions per day (2).
  - c. Specify the period in the following way:
    - i. From the **Receiving data period** drop-down list select the time period for which the report is to be created (3).
    - ii. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool.
- Note**

Click the  button near the corresponding field to use the **Calendar** tool.
- iii. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.
  - iv. If another period type is selected, specifying the date of start and end periods is not needed.
- d. Enter a time period (in minutes) during which the values received from people counter detector will be summarized in the **Step** field (4).
  - e. From the **Maximum value** drop-down list select a maximum value of people that will be displayed in a chart (5).
  - f. From the **Time zone** drop-down list select time zone by which report is to be created (6).

**Note**

Time zones created in the *Intellect* software package which have only one time period and haven't got any inclusions are available to select. Selection of week days is not performed. Detailed information about creation and using of time zones is presented in the [Creating and using time zones](#) section.

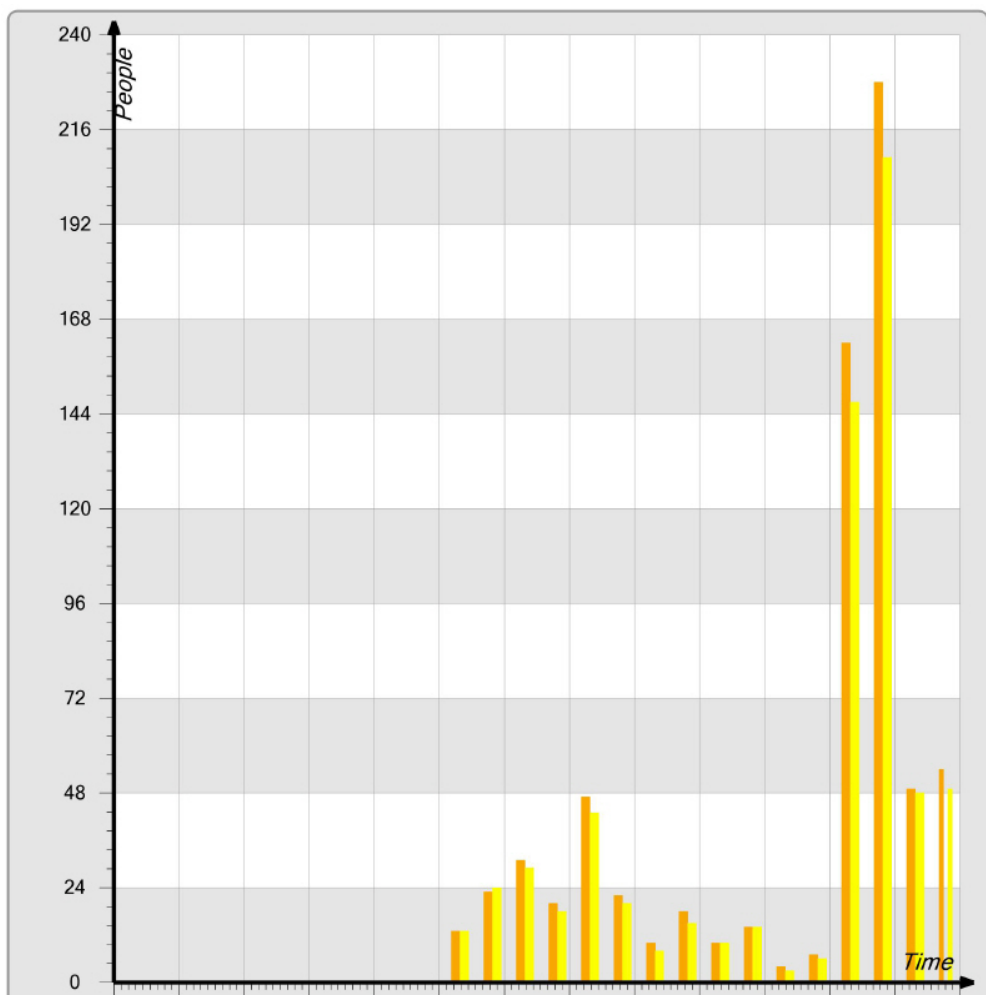
- g. If it is necessary to view a report as a chart, set the corresponding checkbox (7).
  - h. In the **Layout** field, select the print layout of the report: **Portrait, Landscape** (8).
  - i. Set the **Sum result** checkbox to display sum result by selected detections in the report (9).
4. To create a report click **Execute** (10).
  5. As a result a face counter report detailed by cameras with specified parameters is displayed.

Navigation: [People Counter detectors](#) > [Face counter report \(detailed by cameras\)](#) > Result

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<b>Face counter report (detailed by cameras)</b>		
(number of unidentified persons)		
Period of data receiving	12/21/2015 12:00:00 AM - 12/21/2015 11:59:59 PM	
camera	Interval of data receiving	People
camera 1	12/21/2015 8:00:00 AM - 12/21/2015 8:59:59 AM	13
camera 1	12/21/2015 9:00:00 AM - 12/21/2015 9:59:59 AM	23
camera 1	12/21/2015 10:00:00 AM - 12/21/2015 10:59:59 AM	31
camera 1	12/21/2015 11:00:00 AM - 12/21/2015 11:59:59 AM	20
camera 1	12/21/2015 12:00:00 PM - 12/21/2015 12:59:59 PM	47
camera 1	12/21/2015 1:00:00 PM - 12/21/2015 1:59:59 PM	22
camera 1	12/21/2015 2:00:00 PM - 12/21/2015 2:59:59 PM	10

6. Example of a face counter report detailed by cameras as a chart is given in the following figure.

**Note**

The number of people (persons) in the report means the number of captured faces, not the number of unique visitors.

### 8.5.6 Creating a Face counter report (detailed by detectors)

The **Face counter report (detailed by detectors)** allows getting the data about the number of captured faces (people/ persons) using the data from the face detectors. The data can be presented only as a table.

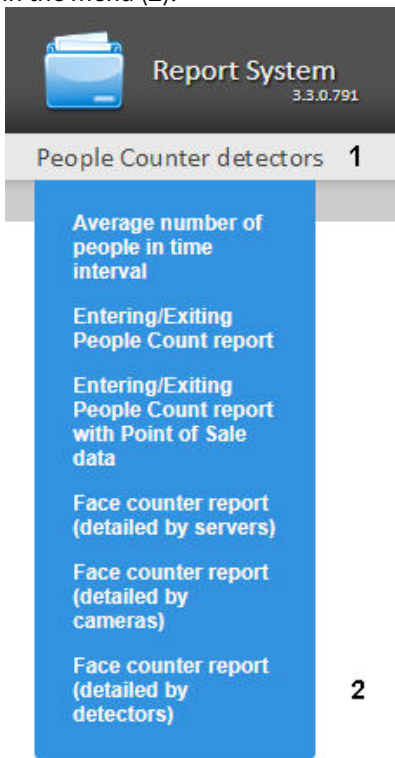
**Note**

The **Face counter report (detailed by detectors)** is related to the **Face detector** object (it is necessary to create the corresponding object in the *Intellect* software).

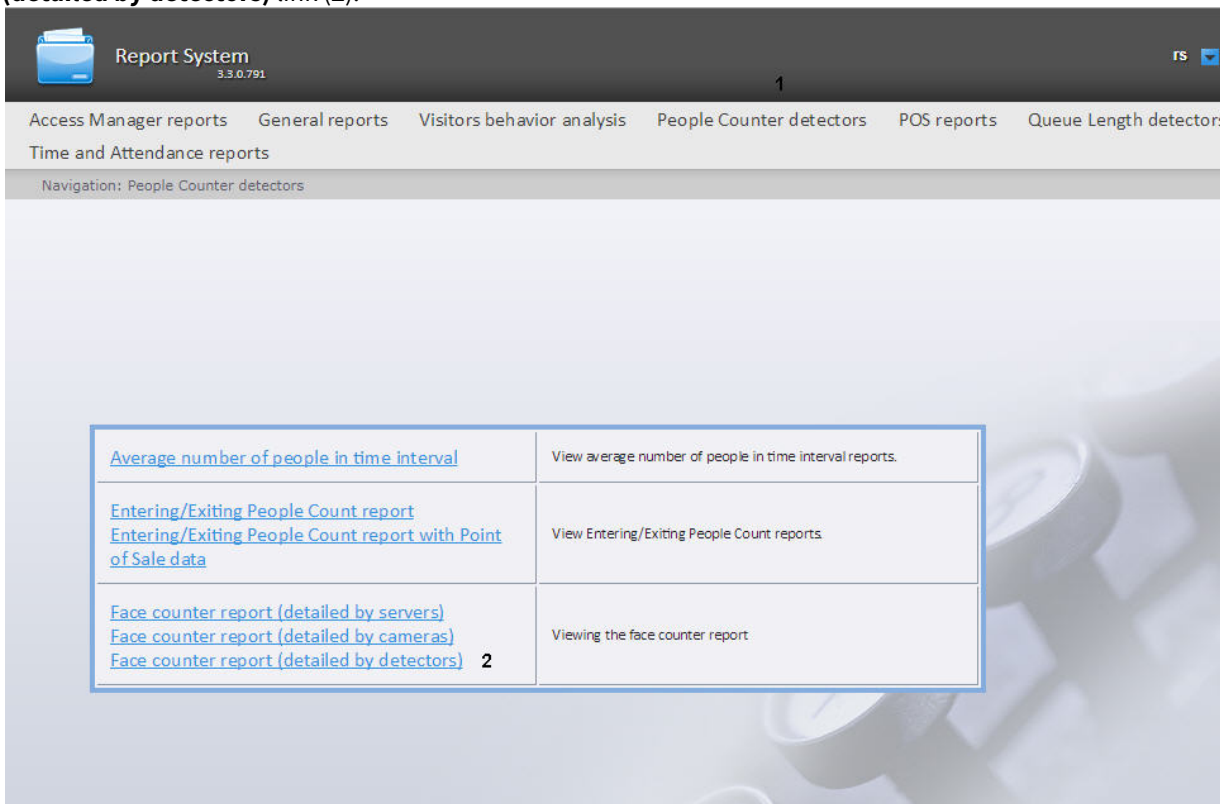
To create the **Face counter report (detailed by detectors)**, do the following:

1. Select the **Face counter report (detailed by detectors)** by one of the following ways:

- a. Hover over the **People Counter detectors** tab (1), and click the **Face counter report (detailed by detectors)** link in the menu (2).



- b. Click the **People Counter detectors** tab (1), wait till the table appears, then click the **Face counter report (detailed by detectors)** link (2).



2. As a result the dialog box for specifying the report parameters will be displayed.

General reports   Visitors behavior analysis   People Counter detectors   Queue Length detectors

Navigation: **People Counter detectors** > Face counter report (detailed by detectors)


### Face counter report (detailed by detectors)


Parameter	Value
Detectors:	Choose: <b>All, None</b> <input checked="" type="checkbox"/> face detector 1.1 <input checked="" type="checkbox"/> face detector 2.1
Receiving data period:	User defined 2   from 12/21/2015 11:38   to 12/22/2015 11:38

**Execute** 3

3. Set the following report parameters:
  - a. In the **Detectors** field set checkboxes in those **Face detectors** objects information on which should be displayed in the report (1).
  - b. Specify the period in the following way:
    - i. From the **Receiving data period** drop-down list select the time period for which the report is to be created (2).
    - ii. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool.

**Note**

Click the  button near the corresponding field to use the **Calendar** tool.

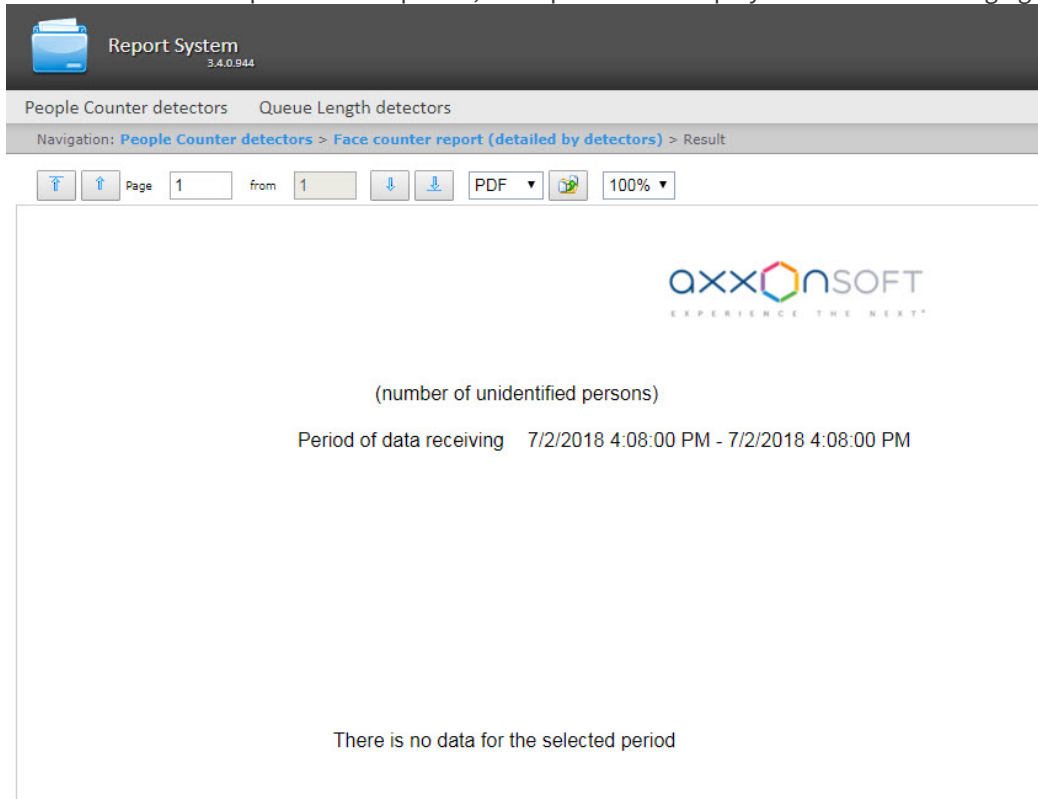
- iii. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.
    - iv. If another period type is selected, specifying the date of start and end periods is not needed.
4. To create a report click **Execute** (3).
5. As a result a face counter report detailed by detectors with specified parameters is displayed.

Face counter report (detailed by detectors)			
(number of unidentified persons)			
Period of data receiving	12/21/2015 11:38:00 AM - 12/22/2015 11:38:00 AM		
Detection	Interval of data receiving	People	
face detector 1.1	12/21/2015 11:38:00 AM - 12/22/2015 11:37:59 AM	663	
face detector 2.1	12/21/2015 11:38:00 AM - 12/22/2015 11:37:59 AM	605	

**Note**

The number of people (persons) in the report means the number of captured faces, not the number of unique visitors.

If there is no data for specified time period, the report will be displayed as in the following figure.



## 8.6 Working with AUTO reports

Rus

Working with AUTO reports consists of selecting the necessary report type and creating a report. You can find the description of each report type on the corresponding page.

### 8.6.1 "Time slice" on zone

Rus

The **"Time slice" on zone** report allows getting data about the vehicles average speed, the traffic range and density, and the specified lane occupation in the selected time period. Time period is specified within the accuracy of a day. The report data can be presented as a table and a chart.

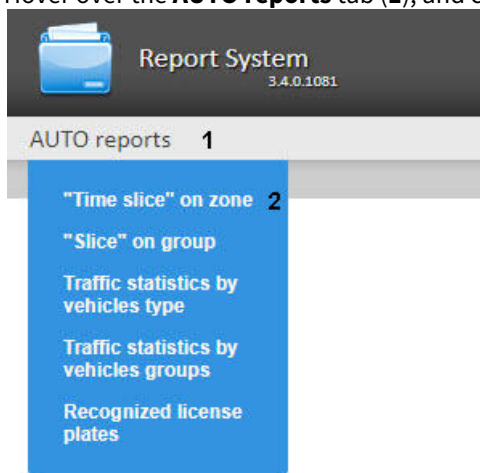
**Note**

The **"Time slice" on zone** report is related to the **Vehicle detector** and **Vehicle processor** modules (it is necessary to create the corresponding object in the *Intellect* software).

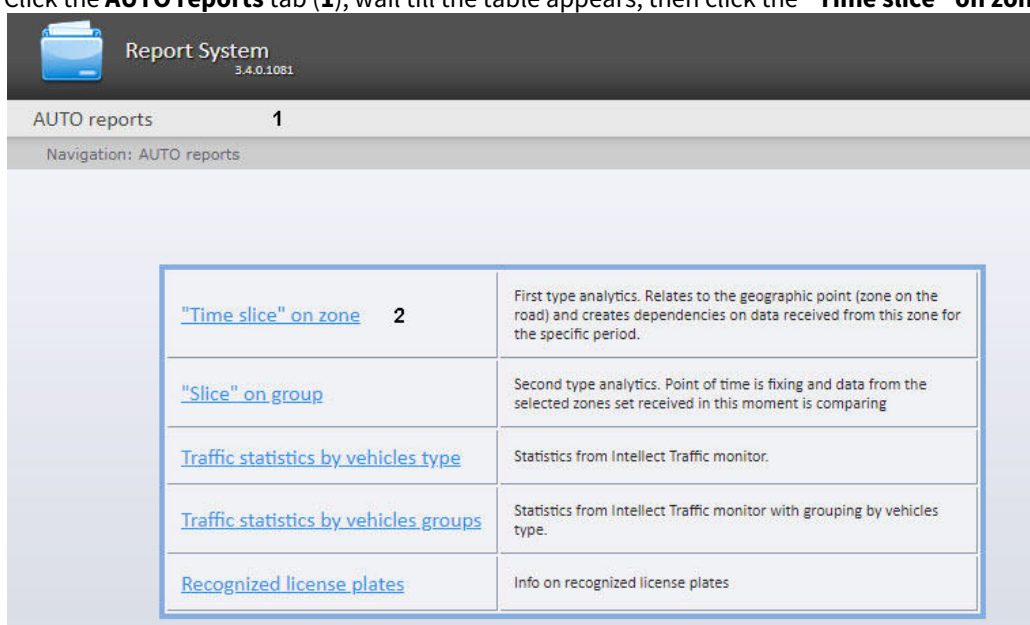
To create the **"Time slice" on zone** report, do the following:

1. Select the **"Time slice" on zone** report type by one of the following ways:

- a. Hover over the **AUTO reports** tab (1), and click the **"Time slice" on zone** link in the menu (2).



- b. Click the **AUTO reports** tab (1), wait till the table appears, then click the **"Time slice" on zone** link (2).



2. As a result the dialog box for specifying the report parameters will be displayed.




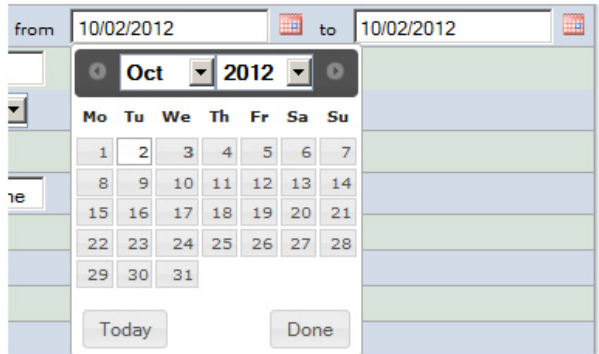
Navigation: [AUTO reports](#) > Zone time slice


### Zone time slice

Parameter	1	Value	2
Period:	User	from 08/23/2016	to 08/23/2016
Averaging interval, min:	60		3
Data source (zone or detector):			4
Report's content:	Chart+Table		5
Title:	Zone time slice		6
View average speed data:	<input checked="" type="checkbox"/>		7
View volume data:	<input checked="" type="checkbox"/>		8
View density data:	<input checked="" type="checkbox"/>		9
View Occupancy data:	<input checked="" type="checkbox"/>		10

**Execute** 11

- 3.
4. Specify the report parameters in the following way:
  - a. From the **Period** drop-down list select the time period for which the report is to be created (1).
  - b. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool (2). Click the  button near the corresponding field to use the **Calendar** tool.



- c. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.

**Note**

If **User defined** or **User defined 2** period is selected, the report will be created strictly in the user-defined range of dates. This means that if you select a period from January 1st till January 5th and make the report auto-generated (see [Setting up Intellect Web Report System operation in the automatic mode](#)), the system will periodically generate reports with one and the same data set for the period from January 1st till January 5th and send them by email.

However, it is possible to specify only the time for **User defined 2**, not specifying the date. In this case, the system will automatically generate reports for the specified period of thime of the previous day.

- d. In the **Averaging interval, min** enter the time period corresponding to the interval in which points on the chart and values in the table will follow (3). The average values for the specified averaging interval are displayed in the report.

**Note.**

If the average value is null the empty report will be displayed for such intervals for the specified period. It is recommended to change the interval in this case.

- e. From the **Data source (zone or detector)** drop-down list select the **Region** object corresponding to the lane on which the report is to be created (4).

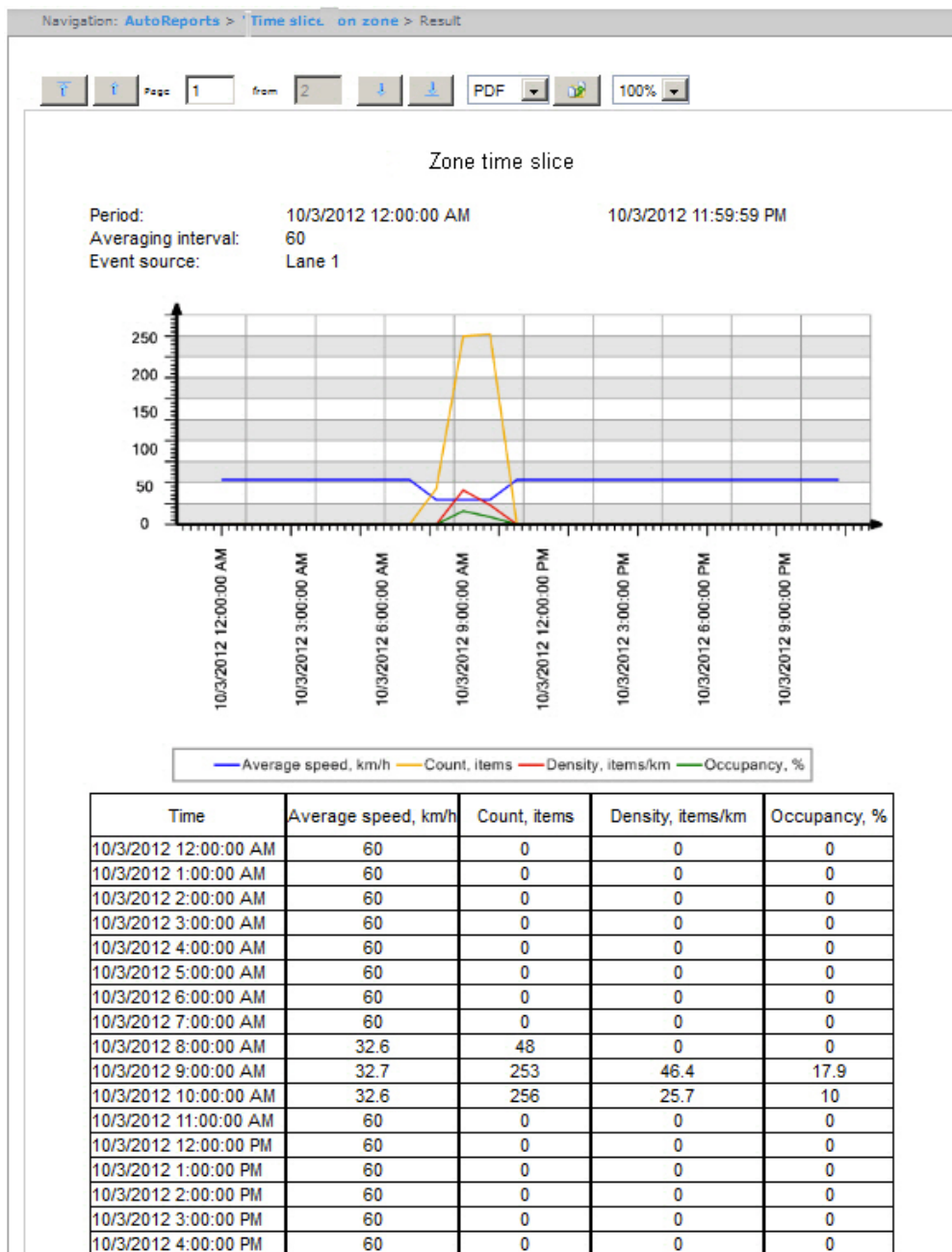
**Note**

Only one object can be selected in the **Data source (zone or detector)** drop-down list. The content of the list depends on the *Auto-Intellect* configuration.

- f. From the **Report's content** drop-down list select the way of report displaying: table and/or chart (5).  
 g. In the **Title** field enter the report name which is to be displayed (6).  
 h. Set the **View average speed data** checkbox to include the data about average speed on the selected lane (7).  
 i. Set the **View volume data** checkbox to include the data about vehicle numbers on the lane for the specified time period (8).  
 j. Set the **View density data** checkbox to include the data about vehicle numbers per kilometer on the specified lane (9).  
 k. Set the **View Occupancy data** checkbox to include the data about percent of lane occupancy (10).

5. Click **Execute** to create the report (11).

As a result the report in the selected form is displayed.



## 8.6.2 "Slice" on group

Rus

The **"Slice" on group** report allows getting data about the vehicles average speed, the traffic range and density, and the lanes occupation in the selected point of time. The point of time is specified within the accuracy of a minute. The report data can be presented as a table and a chart.

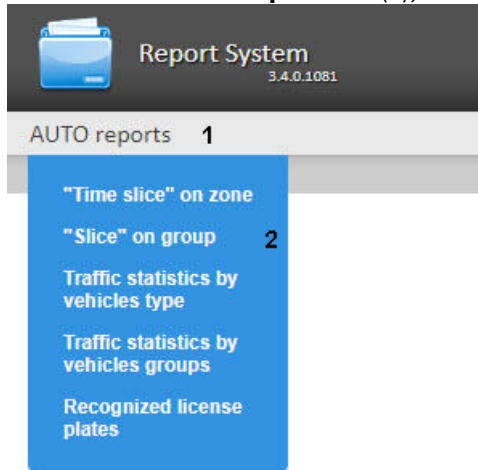
**Note**

The **"Slice" on group** report is related to the **Vehicle detector** and **Vehicle processor** modules (it is necessary to create the corresponding object in the *Intellect* software).

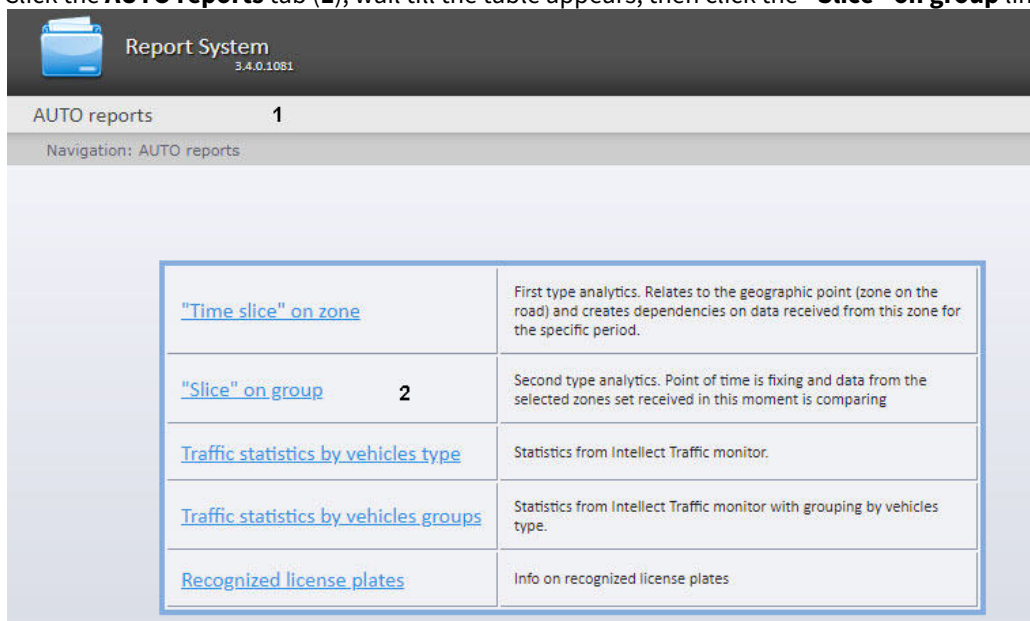
To create a **"Slice" on group** report, do the following:

1. Select the **"Slice" on group** report type by one of the following ways:

- a. Hover over the **AUTO reports** tab (1), and click the **"Slice" on group** link in the menu (2).



- b. Click the **AUTO reports** tab (1), wait till the table appears, then click the **"Slice" on group** link (2).



2. As a result the dialog box for specifying the report parameters will be displayed.

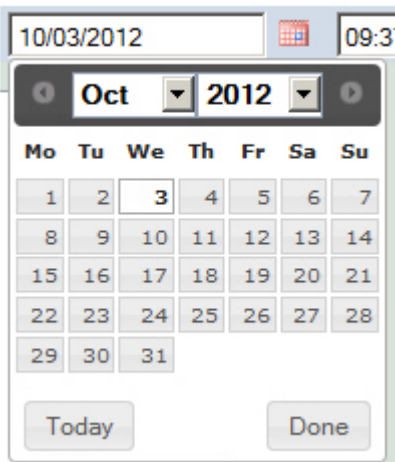
Navigation: [AUTO reports](#) > Slice on group

### Slice on group


Parameter	1	2	Value	3
Point of time:	Selected date and time ▾	08/25/2016		10:28
Data source (zones and/or detectors):	Choose: <a href="#">All</a> , <a href="#">None</a> View: <a href="#">Hide all</a> , <a href="#">Show all</a>			
	<div style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> <li>- <input checked="" type="checkbox"/> Zone 1                             <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Lane 1</li> <li><input checked="" type="checkbox"/> Lane 3</li> </ul> </li> <li>- <input checked="" type="checkbox"/> Zone 2                             <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Lane 2</li> </ul> </li> </ul> </div>			
Report's content:	Chart+Table ▾	5		
Title:	Slice on group		6	
View average speed data:	<input checked="" type="checkbox"/>	7		
View volume data:	<input checked="" type="checkbox"/>	8		
View density data:	<input checked="" type="checkbox"/>	9		
View Occupancy data:	<input checked="" type="checkbox"/>	10		

**Execute** 11

3. Specify the report parameters in the following way:
  - a. From the **Point of time** drop-down list select the mode of specifying the slice moment: select the **Current date and time** if the report is to be created on the current moment or **Selected date and time** if the report is to be created on the specified point of time (1).
  - b. If the **Selected date and time** mode was selected, enter the date when the report is to be created using the **Calendar** tool in the (2) field and date of report in the (3) field. Click the button near the corresponding field to use the **Calendar** tool.



**Note.**

Click the  button to set the current system date and time as the report time (3).

- c. Set the checkboxes next to those lanes and/or detectors by which the report is to be created (4).

**Note.**

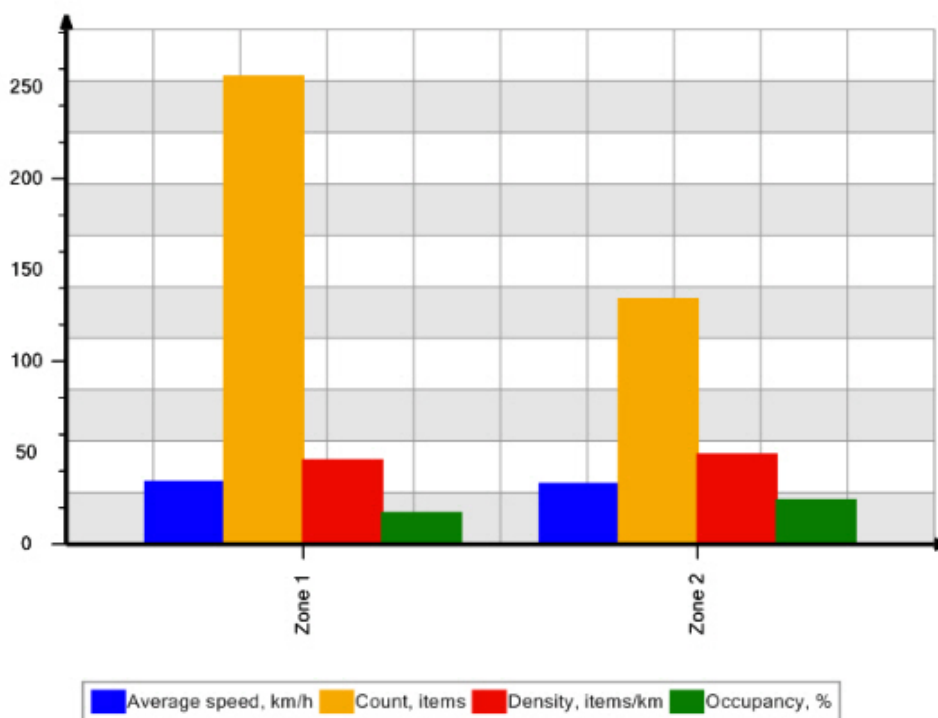
Click the **All** link to select all lanes and detectors in the list. Click the **None** link to uncheck all checkboxes. The content of the field depends on the *Auto-Intellect* configuration.

- d. From the **Report's content** drop-down list select the way of report displaying (5).
- e. In the **Title** field enter the report name which is to be displayed (6).
- f. Set the **View average speed data** checkbox to include the data about average speed on selected lanes (7).
- g. Set the **View volume data** checkbox to include the data about vehicle numbers on lanes for the specified time period (8).
- h. Set the **View density data** checkbox to include the data about vehicle numbers per kilometer on the specified lanes (9).
- i. Set the **View Occupancy data** checkbox to include the data about percent of lanes occupancy (10).
4. Click **Execute** to create the report (11).

As a result the report in the selected form is displayed.

Slice on group  
 Point of time: 10/3/2012 9:38:00 AM  
 Event source: Zone 1 (Lane 1, Lane 3); Zone 2 (Lane 2)

	Average speed, km/h	Count, items	Density, items/km	Occupancy, %
Zone 1	33.7	256	45.7	16.7
Zone 2	33	134	48.6	24.2



### 8.6.3 Traffic statistic by vehicles groups

Rus

The **Traffic statistic by vehicles groups** report allows getting statistical data for each specified group of vehicles. Vehicles group is a set of several vehicles types.

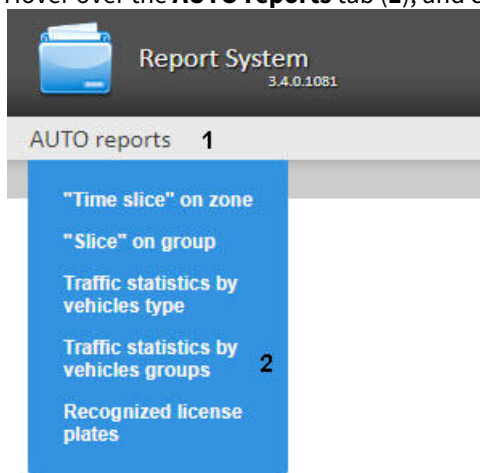
**Note**

The **Traffic statistic by vehicles groups** report is related to the **Traffic detector** and **Vehicle processor** modules (it is necessary to create the corresponding object in the *Intellect* software).

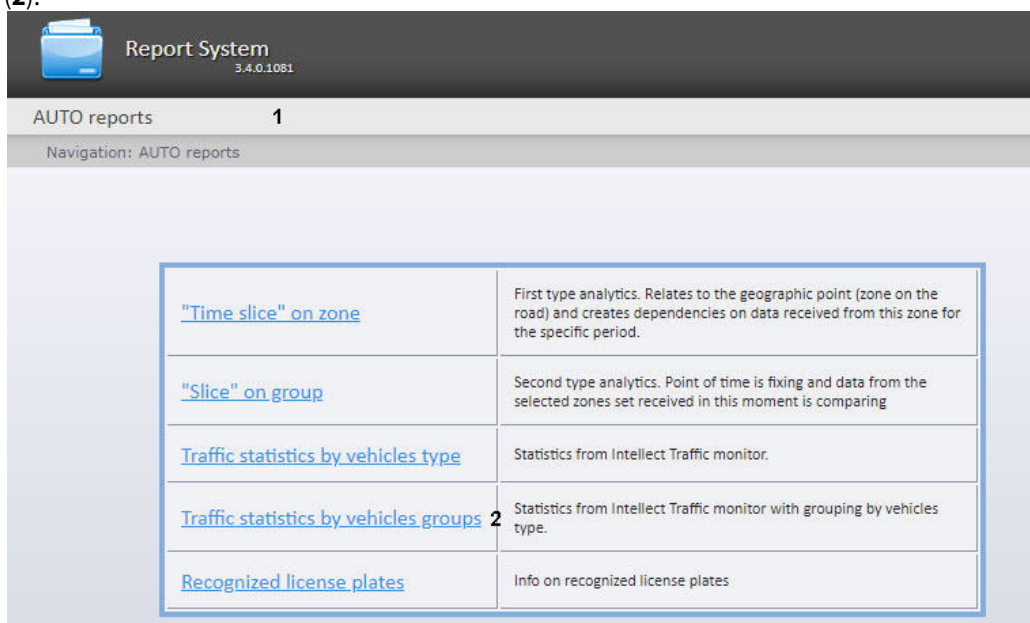
To create the **Traffic statistic by vehicles groups** report, do the following:

1. Select the **Traffic statistic by vehicles groups** report type by one of the following ways:

- a. Hover over the **AUTO reports** tab (1), and click the **Traffic statistic by vehicles groups** link in the menu (2).



- b. Click the **AUTO reports** tab (1), wait till the table appears, then click the **Traffic statistic by vehicles groups** link (2).





2. As a result the dialog box for specifying the report parameters will be displayed.


Navigation: **AUTO reports** > Traffic statistic by vehicles groups

### Traffic statistic by vehicles groups

Parameter	Value
Period:	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 5px; padding: 2px; margin-right: 5px;">1</div> <div style="border: 1px solid black; border-radius: 5px; padding: 2px; margin-right: 5px;">User defined</div> <div style="margin: 0 5px;">from</div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">02/11/2013</div> <div style="margin: 0 5px;">to</div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">02/11/2013</div> <div style="margin-left: 5px;">2</div> </div>
Transport detection:	<div style="border: 1px solid black; border-radius: 5px; padding: 2px; margin-right: 5px;">3</div> <div style="border: 1px solid black; border-radius: 5px; padding: 2px; margin-right: 5px;">Traffic Detector 1</div>
Lanes:	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-right: 5px;">4</div> <div style="border: 1px solid black; border-radius: 5px; padding: 2px; margin-bottom: 5px;">Choose: All, None</div> <div style="border: 1px solid black; border-radius: 5px; padding: 2px;"> <input type="checkbox"/> Lane0  <input type="checkbox"/> Lane1  <input type="checkbox"/> Lane2  <input type="checkbox"/> Lane3  <input type="checkbox"/> Lane4  <input type="checkbox"/> Lane5                 </div>
Vehicle groups:	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-right: 5px;">5</div> <div style="border: 1px solid black; border-radius: 5px; padding: 2px; margin-bottom: 5px;">Choose: All, None</div> <div style="border: 1px solid black; border-radius: 5px; padding: 2px;"> <input checked="" type="checkbox"/> Small vehicles  <input checked="" type="checkbox"/> Medium vehicles  <input checked="" type="checkbox"/> Large vehicles                 </div>
Displayed data:	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-right: 5px;">6</div> <div style="border: 1px solid black; border-radius: 5px; padding: 2px; margin-bottom: 5px;">Choose: All, None</div> <div style="border: 1px solid black; border-radius: 5px; padding: 2px;"> <input checked="" type="checkbox"/> General number of vehicles  <input checked="" type="checkbox"/> Average speed km/h  <input checked="" type="checkbox"/> Number of violation  <input checked="" type="checkbox"/> Speed exceeding  <input checked="" type="checkbox"/> Moving in oncoming lane  <input checked="" type="checkbox"/> Number of vehicle stops  <input checked="" type="checkbox"/> Average workload of road  <input checked="" type="checkbox"/> Traffic jam                 </div>

**Execute** 7

3. Specify the report parameters in the following way:

- a. In the **Period** drop-down list select the time period for which the report is to be created (1).
  - i. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool (2). Click the  button next to the corresponding field to use the **Calendar** tool.

from

02/11/2013

to

02/11/2013


Feb

2013

Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

Today

Done

- ii. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.
- iii. If another period type is selected, specifying the date of start and end periods is not needed.

- b. In the **Transport detection** drop-down list select the **Transport detection** object or the **Vehicle processor** object, which data should be used in the report **(3)**.

**Note**

Only one object can be selected in the **Transport detection** drop-down list. The content of the list depends on the *Auto-Intellect* configuration.

- c. In the **Lanes** list set checkboxes next to those lanes data of which is to be included in the report **(4)**.

**Note.**

In order to select all lanes in the list click the **All** link. To uncheck all checkboxes click the **None** link.

- d. In the **Vehicle groups** list set checkboxes in those vehicle groups data of which is to be included in the report **(5)**. The following vehicle groups are available:

- Small vehicles (the group includes cars and motorcycles);
- Medium vehicles (the group includes cargo vehicles less than 12 m);
- Large vehicles (the group includes cargo vehicles more than 12 m and buses).

**Note**

In order to select all vehicle groups in the list click the **All** link. To uncheck all checkboxes click the **None** link.

- e. In the **Displayed data** list set checkboxes next to those parameters which are to be included in the report **(6)**.

**Note.**

In order to select all fields in the list click the **All** link. To uncheck all checkboxes click the **None** link.

4. Click **Execute** to create the report **(7)**.

5. As a result the report in the selected form is displayed.

Navigation: [AUTO reports](#) > [Traffic statistics by vehicles groups](#) > Result

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### Traffic statistics by vehicles groups

Period: 1/1/2012 12:00:00 AM 12/31/2012 11:59:59 PM  
 Data source: Traffic detector 1

Detector/lane/vehicle type	Total vehicles	Average speed, km/h	Violation count	Overspeed	Wrong road side	Stopped vehicles count	Average road occupancy	Traffic jam
Traffic detector 1	15467	66.8	0	0	0	51	9.7	0
Lane 0 (Movement towards the camera)	0	0.0	0	0	0	0	0.0	0
Lane 1 (Movement towards the camera)	2161	37.2	0	0	0	19	7.3	0
Small vehicles	1324	39.7	0	0	0	18	7.1	0
Medium vehicles	609	37.6	0	0	0	1	6.9	0
Large vehicles	228	22.2	0	0	0	0	9.5	0
Lane 2 (Movement towards the camera)	4214	69.1	0	0	0	16	11.4	0
Small vehicles	2513	65.4	0	0	0	10	11.3	0
Medium vehicles	473	79.0	0	0	0	4	11.5	0
Large vehicles	1228	73.0	0	0	0	2	11.5	0
Lane 3 (Movement towards the camera)	4461	57.2	0	0	0	10	9.7	0
Small vehicles	2615	55.7	0	0	0	3	9.9	0
Medium vehicles	1002	69.9	0	0	0	3	9.7	0
Large vehicles	844	46.5	0	0	0	4	9.2	0
Lane 4	4631	67.8	0	0	0	6	9.4	0
Small vehicles	3486	69.4	0	0	0	6	9.5	0
Medium vehicles	678	64.3	0	0	0	0	9.4	0
Large vehicles	467	109.6	0	0	0	0	8.6	0
Lane 5	0	0.0	0	0	0	0	0.0	0

### 8.6.4 Traffic statistic by vehicles type

Rus

The **Traffic statistic by vehicles type** report allows getting statistical data for each specified type of vehicles. Vehicle type is a set of vehicles the sizes of which are within the certain intervals.

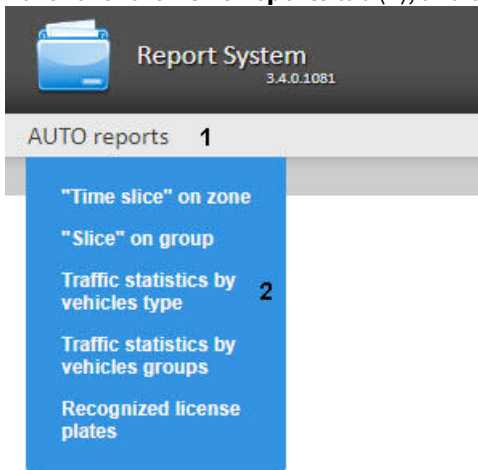
**Note**

The **Traffic statistic by vehicles type** report is related to the **Traffic detector** and **Vehicle processor** modules (it is necessary to create the corresponding object in the *Intellect* software).

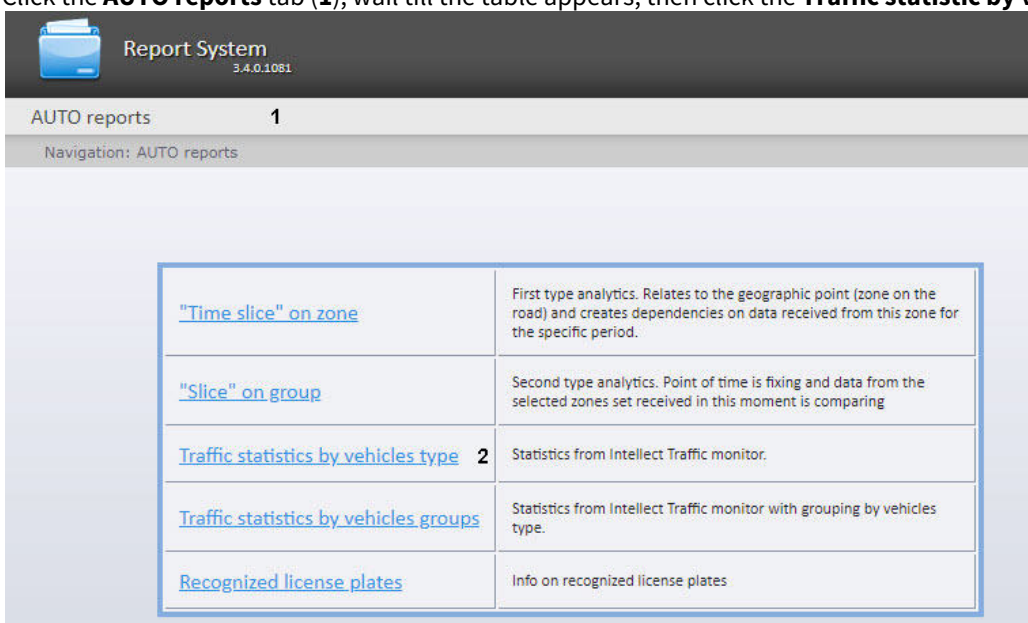
To create the **Traffic statistic by vehicles type** report, do the following:

1. Select the **Traffic statistic by vehicles type** report type by one of the following ways:

- a. Hover over the **AUTO reports** tab (1), and click the **Traffic statistic by vehicles type** link in the menu (2).



- b. Click the **AUTO reports** tab (1), wait till the table appears, then click the **Traffic statistic by vehicles type** link (2).



2. As a result the dialog box for specifying the report parameters will be displayed.


Navigation: **AUTO reports** > Traffic statistic by vehicles type



### Traffic statistic by vehicles type

Parameter	1	Value	2
Period:	User defined	from 02/11/2013	to 02/11/2013
Transport detection:	Traffic Detector 1		3
Lanes:	Choose: All, None <input type="checkbox"/> Lane0 <input type="checkbox"/> Lane1 <input type="checkbox"/> Lane2 <input type="checkbox"/> Lane3 <input type="checkbox"/> Lane4 <input type="checkbox"/> Lane5		4
Types of vehicles:	Choose: All, None <input checked="" type="checkbox"/> Motorcycles <input checked="" type="checkbox"/> Cars <input checked="" type="checkbox"/> Cargo vehicles less than 12 m <input checked="" type="checkbox"/> Cargo vehicles more than 12 m <input checked="" type="checkbox"/> Busses		5
Displayed data:	Choose: All, None <input checked="" type="checkbox"/> General number of vehicles <input checked="" type="checkbox"/> Average speed km/h <input checked="" type="checkbox"/> Number of violation <input checked="" type="checkbox"/> Speed exceeding <input checked="" type="checkbox"/> Moving in oncoming lane <input checked="" type="checkbox"/> Number of vehicle stops <input checked="" type="checkbox"/> Average workload of road <input checked="" type="checkbox"/> Traffic jam		6

**Execute** 7

3. Specify the report parameters in the following way:


- a. In the **Period** drop-down list select the time period for which the report is to be created (1).
  - i. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool (2). Click the  button next to the corresponding field to use the **Calendar** tool.

from 02/11/2013  to 02/11/2013 

Feb 2013

Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

Today Done

- ii. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.
  - iii. If another period type is selected, specifying the date of start and end periods is not needed.
- b. In the **Transport detection** drop-down list select the **Transport detection** object or the **Vehicle processor** object, which data should be used in the report (3).

**Note**

Only one object can be selected in the **Transport detection** drop-down list. The content of the list depends on the *Auto-Intellect* configuration.

- c. In the **Lanes** list set checkboxes next to those lanes data of which is to be included in the report (4).

**Note.**

In order to select all lanes in the list click the **All** link. To uncheck all checkboxes click the **None** link.

- d. In the **Types of vehicles** list set checkboxes next to those vehicle types data of which is to be included in the report (5). The following types of vehicles can be selected:
- Motorcycles;
  - Cars;
  - Cargo vehicles more than 12 m;
  - Cargo vehicles less than 12 m;
  - Buses.

**Note**

In order to select all types of vehicles in the list click the **All** link. To uncheck all checkboxes click the **None** link.

- e. In the **Displayed data** list set checkboxes next to those parameters which are to be included in the report (6).

**Note**

In order to select all fields in the list click the **All** link. To uncheck all checkboxes click the **None** link.

4. Click **Execute** to create the report (7).

5. As a result the report in the selected form is displayed.

Navigation: **AUTO reports** > **Traffic statistics by vehicles type** > Result

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### Traffic statistics by vehicles type

Period: 1/1/2012 12:00:00 AM 12/31/2012 11:59:59 PM  
 Data source: Traffic detector 1

Detector/lane/vehicle type	Total vehicles	Average speed, km/h	Violation count	Overspeed	Wrong road side	Stopped vehicles count	Average road occupancy	Traffic jam
Traffic detector 1	15467	66.8	0	0	0	51	9.7	0
Lane 0 (Movement towards the camera)	0	0.0	0	0	0	0	0.0	0
Lane 1 (Movement towards the camera)	2161	37.2	0	0	0	19	7.3	0
Motorcycles	20	10.2	0	0	0	9	6.4	0
Cars	1303	40.2	0	0	0	8	7.1	0
Trucks with length < 12m.	609	37.6	0	0	0	1	6.9	0
Trucks with length > 12m.	158	23.7	0	0	0	0	10.7	0
Buses	70	18.7	0	0	0	0	6.9	0
Lane 2 (Movement towards the camera)	4214	69.1	0	0	0	16	11.4	0
Motorcycles	12	5.1	0	0	0	1	8.0	0
Cars	2500	65.7	0	0	0	8	11.4	0
Trucks with length < 12m.	473	79.0	0	0	0	4	11.5	0
Trucks with length > 12m.	749	74.5	0	0	0	2	11.7	0
Buses	479	70.6	0	0	0	0	11.2	0
Lane 3 (Movement towards the camera)	4461	57.2	0	0	0	10	9.7	0
Motorcycles	0	0.0	0	0	0	0	0.0	0
Cars	2613	55.8	0	0	0	1	9.9	0
Trucks with length < 12m.	1002	69.9	0	0	0	3	9.7	0
Trucks with length > 12m.	516	45.8	0	0	0	4	8.9	0
Buses	328	47.6	0	0	0	0	9.8	0
Lane 4	4631	87.8	0	0	0	6	9.4	0
Motorcycles	0	0.0	0	0	0	0	0.0	0
Cars	3484	89.5	0	0	0	4	9.5	0
Trucks with length < 12m.	678	64.3	0	0	0	0	9.4	0
Trucks with length > 12m.	251	102.8	0	0	0	0	7.9	0
Buses	216	117.5	0	0	0	0	9.4	0
Lane 5	0	0.0	0	0	0	0	0.0	0

## 8.6.5 Recognized license plates

Rus

The **Recognized license plates** report allows getting the data about the recognized license plate numbers within the specified time period.

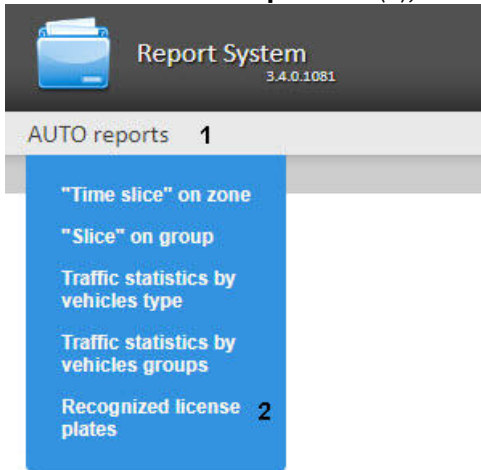
**Note**

The **Recognized license plates** report is related to the **LPR Channel** module (it is necessary to create the corresponding object in the *Intellect* software).

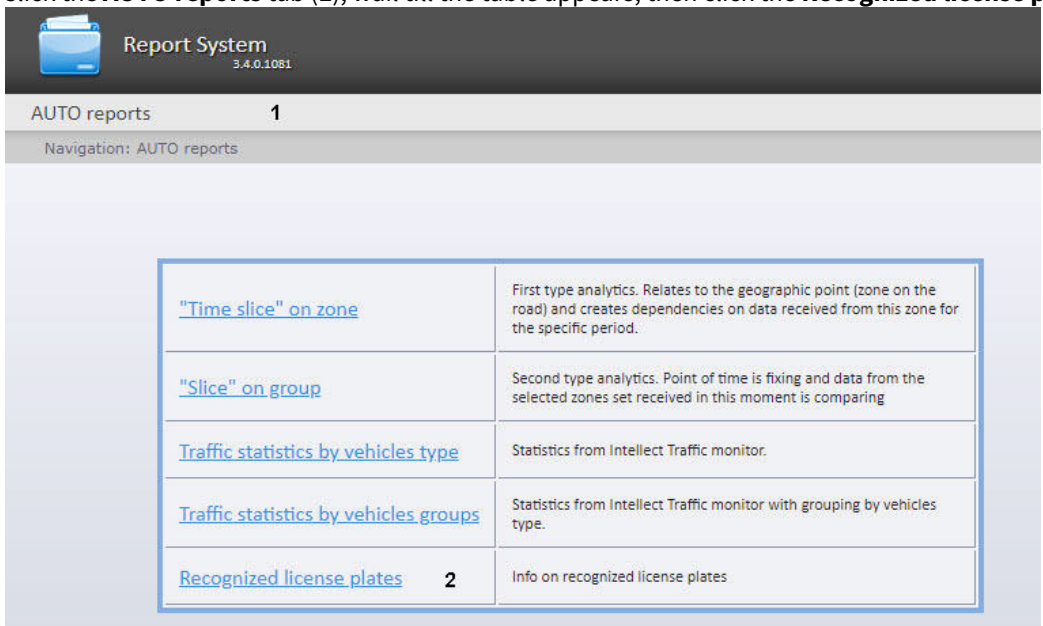
To create the **Recognized license plates** report, do the following:

1. Select the **Recognized license plates** report type by one of the following ways:

- a. Hover over the **AUTO reports** tab (1), and click the **Recognized license plates** link in the menu (2).

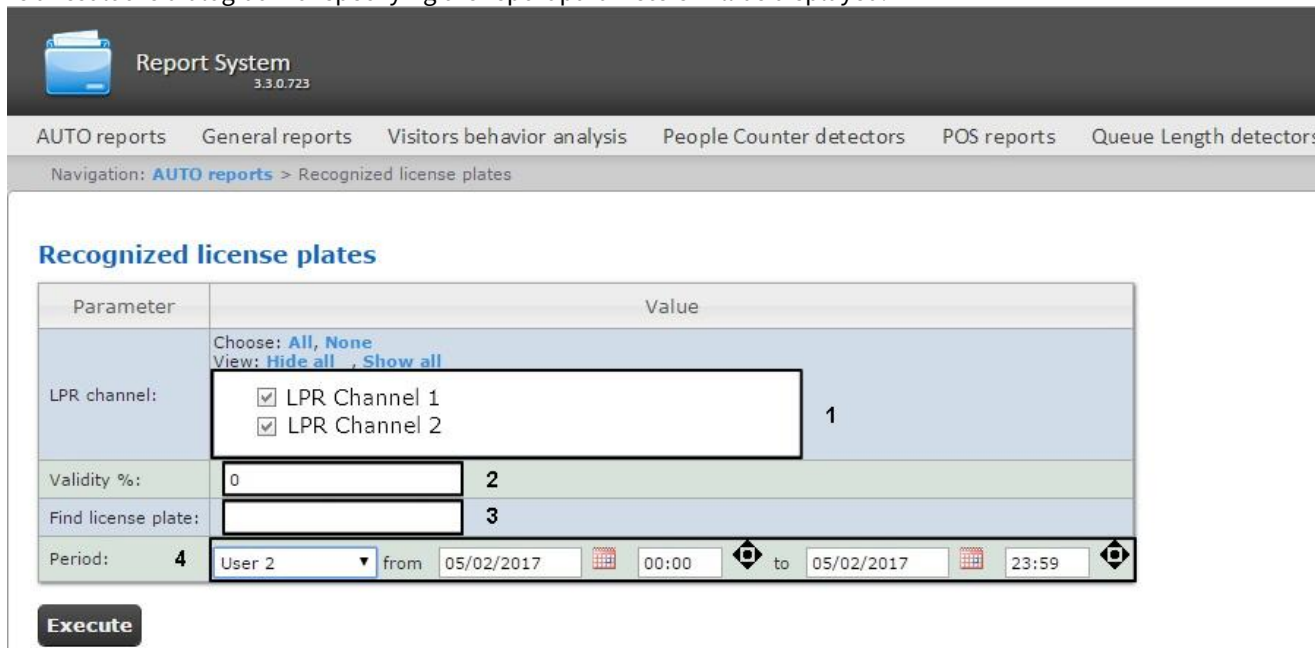


- b. Click the **AUTO reports** tab (1), wait till the table appears, then click the **Recognized license plates** link (2).





2. As a result the dialog box for specifying the report parameters will be displayed.



3. Specify the report parameters in the following way:

**Note**  
The choice of LPR Channels and the period is mandatory, the remaining filters are optional.

- a. In the **LPR channel** field, set the check boxes for the license plate readers according to which the report will be built **(1)**.
- b. In the **Validity %** field, specify the minimum validity (accuracy of recognition) **(2)**.
- c. In the **Find license plate** field, you can specify a certain LP number by which all recognition events will be searched **(3)**. Otherwise, the report will be built by all LP numbers recognized at the specified time interval.
- d. From the **Period** drop-down list, select the time interval for which the report should be built **(4)**. You can specify a custom interval by selecting **User 2** and using the calendar tool.

4. Click **Execute** to run the report.

As a result the report in the selected form is displayed.

The report table contains the vehicle numbers, recognition accuracy (validity), date and the reader that recognized the number. When you click on the row of the table, a screenshot from the camera (in the lower right corner of the report) is displayed and if there is access to the video archive, the video is played (in the upper right corner of the report).

Navigation: [AUTO reports](#) > [Recognized license plates](#) > Result

	Recognized license plate	Validity %	Date	LPR channel
1	E258HO99	100	4/25/2017 5:46:42 PM	LPR Channel 2
2	E258HO99	100	4/25/2017 5:46:42 PM	LPR Channel 1
3	K600EC90	99	4/25/2017 5:46:43 PM	LPR Channel 2
4	K600EC90	99	4/25/2017 5:46:43 PM	LPR Channel 1
5	T611HC97	98	4/25/2017 5:46:44 PM	LPR Channel 2
6	T611HC97	98	4/25/2017 5:46:44 PM	LPR Channel 1
7	X056OO99	100	4/25/2017 5:46:47 PM	LPR Channel 2
8	X056OO99	100	4/25/2017 5:46:47 PM	LPR Channel 1
9	H922XH99	100	4/25/2017 5:46:51 PM	LPR Channel 2
10	H922XH99	100	4/25/2017 5:46:51 PM	LPR Channel 1
11	B232KX97	82	4/25/2017 5:46:53 PM	LPR Channel 2
12	B232KX97	82	4/25/2017 5:46:53 PM	LPR Channel 1
13	X022YX99	100	4/25/2017 5:46:55 PM	LPR Channel 2
14	X022YX99	100	4/25/2017 5:46:55 PM	LPR Channel 1
15	X177HK99	92	4/25/2017 5:46:56 PM	LPR Channel 2
16	X177HK99	92	4/25/2017 5:46:56 PM	LPR Channel 1
17	P652EP99	99	4/25/2017 5:46:59 PM	LPR Channel 2
18	P652EP99	99	4/25/2017 5:46:59 PM	LPR Channel 1
19	A462KT99	98	4/25/2017 5:47:01 PM	LPR Channel 2
20	A462KT99	98	4/25/2017 5:47:01 PM	LPR Channel 1
21	K807MH99	97	4/25/2017 5:47:04 PM	LPR Channel 2
22	K807MH99	97	4/25/2017 5:47:04 PM	LPR Channel 1
23	O383AM07	96	4/25/2017 5:47:05 PM	LPR Channel 1
24	O383AM07	94	4/25/2017 5:47:05 PM	LPR Channel 2
25	Y777BT07	98	4/25/2017 5:47:05 PM	LPR Channel 2

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**Warning!**

The report can only be viewed online. Downloading the report in various formats or auto-sending is not available.

## 8.7 Working with general reports

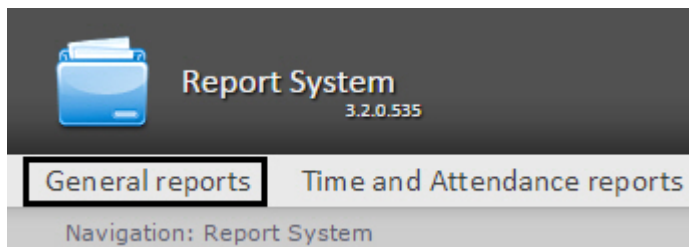
### 8.7.1 Selecting a type of general report

Rus

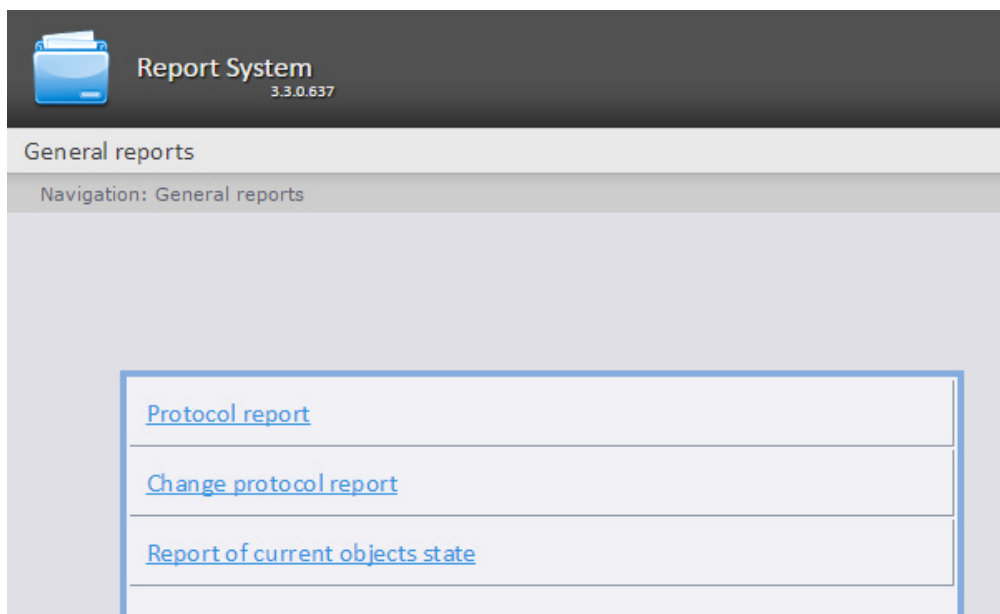
It is possible to create the following general reports:

1. Protocol report. This report allows getting information on events presence from specified objects during the determined time period.
2. Change protocol report. This report allows getting information on performed object changes.
3. Report of current objects state. This report allows getting information about current status of objects.

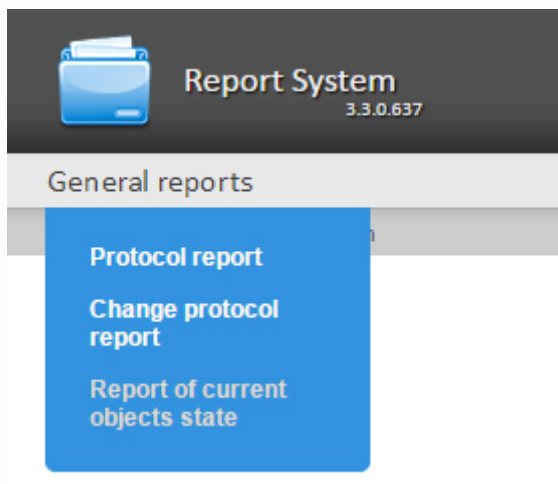
To select a type of general report click **General reports** link in the report menu of *Intellect Web Report System*.



As a result the list of available general reports is displayed. For switching to the required report click the corresponding link.

**Note.**

List of links for switching to General reports is available when hovering over the **General reports** link in the report menu.



## 8.7.2 Creating a Protocol report

Create a Protocol report as follows:

1. Select the **Protocol report** type (see [Selecting a type of general report](#) section).
2. As a result the dialog box for specifying the report parameters will be displayed.

General reports


Navigation: [General reports](#) > Protocol report

### Protocol report

Parameter	1	2	Value	3
Objects and events:	<ul style="list-style-type: none"> <li>Camera</li> <li>Computer</li> <li>User</li> <li>Video Capture Device</li> <li>Конвертер интерфейса</li> <li>СКУД Elsys</li> </ul>	Camera 1	>> <<	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> <input type="checkbox"/> Camera 2</li> </ul>
Report with video:	<input type="checkbox"/>	4		
Camera:	Camera 1	5		
Filter:	No	6		
Filter text:		7		
Maximum of output strings:	2000	8		
Period:	User defined 2	from 11/03/2015 15:53	to 11/03/2015 15:53	9


**Execute** 10

Set the following report parameters:

1. Select the required object type from the objects list (1).
2. Select objects on which the report is to be created from the objects list of corresponding type (2).
3. Click the  button to display events corresponding to the selected object.
4. Set the checkboxes in those events of the selected object on which information is to be displayed in the report (3).
5. Set the **Report with video:** checkbox to create the report which will contain video from the camera (4).
6. From the **Camera:** dropdown list select the camera from which the video will be displayed in the report (5).
7. From the **Filter:** drop-down list select the rule by which the filter will be applied when generating the report (6).
  - **No** - the filter will not be applied.
  - **Equals** - the report will be generated only for those events where the Information column content is strictly equal to the filter value specified in the **Filter text** field (7).
  - **Contains** - the report will be generated only for those events where the Information column contains the filter value specified in the **Filter text** field (7).


#### Note

The report is filtered only by the Information column (see the report fields description in the table below).

8. In the **Filter text:** field enter the value for the report filtering (7).
9. In the **Maximum of output strings:** field enter the number of output strings in the protocol report (8).
10. Specify the period as follows:
  - a. From the **Period:** dropdown list select the time period for which the report is to be created (9).
  - b. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the  button next to the corresponding field to use

the **Calendar** tool.



- c. If the **User defined 2** period is selected, specify the time of start and end periods for which the report is to be created using the  button. If another period type is selected, specifying the date of start and end periods is not needed.


11. To create a report click **Execute (10)**.

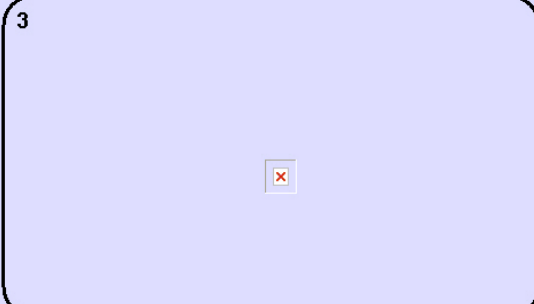
As a result the **Protocol report** with specified parameters is displayed.

General reports POS reports

1 Navigation: [General reports](#) > [Protocol report](#) > Result

	Source	Object type	Event	Information	Date	Computer
1	Camera 1	Camera	Record off		1/17/2014 8:14:09 A	WS4
2	Camera 1	Camera	Connection lost		1/17/2014 8:14:10 A	WS4
3	Camera 1	Camera	Connection		1/17/2014 8:14:10 A	WS4
4	Camera 1	Camera	Alarm		1/17/2014 8:26:01 A	WS4
5	Camera 1	Camera	Alarm end		1/17/2014 8:26:12 A	WS4
6	Camera 1	Camera	Alarm		1/17/2014 9:03:41 A	WS4
7	Camera 1	Camera	Alarm end		1/17/2014 9:03:49 A	WS4
8	Camera 1	Camera	Alarm		1/17/2014 9:06:53 A	WS4
9	Camera 1	Camera	Alarm end		1/17/2014 9:06:56 A	WS4
10	Camera 1	Camera	Alarm		1/17/2014 9:08:03 A	WS4
11	Camera 1	Camera	Alarm end		1/17/2014 9:08:09 A	WS4
12	Camera 1	Camera	Alarm		1/17/2014 9:09:14 A	WS4
13	Camera 1	Camera	Alarm end		1/17/2014 9:09:22 A	WS4
14	Camera 1	Camera	Alarm		1/17/2014 9:10:31 A	WS4
15	Camera 1	Camera	Alarm end		1/17/2014 9:10:35 A	WS4
16	Camera 1	Camera	Alarm		1/17/2014 9:11:09 A	WS4
17	Camera 1	Camera	Alarm end		1/17/2014 9:11:16 A	WS4
18	Camera 1	Camera	Alarm		1/17/2014 9:12:53 A	WS4
19	Camera 1	Camera	Alarm end		1/17/2014 9:13:01 A	WS4
20	Camera 1	Camera	Alarm		1/17/2014 9:14:37 A	WS4
21	Camera 1	Camera	Alarm end		1/17/2014 9:14:44 A	WS4
22	Camera 1	Camera	Alarm		1/17/2014 9:15:02 A	WS4
23	Camera 1	Camera	Alarm end		1/17/2014 9:15:06 A	WS4
24	Camera 1	Camera	Alarm		1/17/2014 9:21:58 A	WS4
25	Камера 1	Camera	Alarm end		1/17/2014 9:22:43 A	WS4

2 

3 

Page 1 of 20 View 1 - 25 of 96

A form of the **Protocol report** with video displaying consists of three parts. Part **1** is the same as the print form of protocol report without video displaying. Part **2** displays video from the selected camera. Part **3** displays image.


Video is displayed if there is the video archive for the specified period. Otherwise, the last frame from archive is displayed.

Images corresponding to events of employee passes will be displayed while using the FAS/ACS module. Specify the path to the folder with images in the <add key="PathToPhotos" value="" /> parameter in the web.config file to display images. By default, the "/BMP/Person/" path is specified.

Names of files should correspond to ID of employees whose passes are displayed in the report.

**Attention!**

It is impossible to print the form of **Protocol report** with video displaying. If it is needed to get the print form of the **Protocol report** create the report without video, i.e. the **Report with video:** checkbox is to be unchecked.



**Report System**  
3.4.0.914

General reports

Navigation: [General reports](#) > [Protocol report](#) > Result



 Page  from 





**Protocol report**

Period:6/1/2018 11:18:00 AM - 6/1/2018 11:23:00 AM

Source	Object type	Event	Information	Date	Computer
Event manager 1	Event manager	Button is pressed	Disarm. (LOCALHOST)	6/1/2018 11:18:54 AM	WORK-PC
Operator reaction 1	Operator reaction	Action is completed	Camera 1, Disarm. (LOCALHOST) [Comment 1]	6/1/2018 11:18:54 AM	WORK-PC
Event manager 1	Event manager	Button is pressed	Disarm. (LOCALHOST)	6/1/2018 11:19:07 AM	WORK-PC
Operator reaction 1	Operator reaction	Action is completed	Camera 1, Disarm. (LOCALHOST) [Comment 2]	6/1/2018 11:19:07 AM	WORK-PC
Event manager 1	Event manager	Button is pressed	Disarm. (LOCALHOST)	6/1/2018 11:19:20 AM	WORK-PC
Operator reaction 1	Operator reaction	Action is completed	Camera 1, Disarm. (LOCALHOST) [Comment 3]	6/1/2018 11:19:20 AM	WORK-PC

Total events: 6

The description of report fields is given in the table.

Field name	Description
Source	Source object of the event <i>Note. The information in this column is received from the objid column of the dbo.PROTOCOL table of the Intellect database</i>
Object type	Type of source object of the event <i>Note. The information in this column is received from the objtype column of the dbo.PROTOCOL table of the Intellect database</i>



Field name	Description
Event	Name of the event <i>Note. The information in this column is received from the action column of the dbo.PROTOCOL table of the Intellect database</i>
Information	Information on the event <i>Note. The information in this column is received from the param0 column of the dbo.PROTOCOL table of the Intellect database</i>
Date	Date and time of the event <i>Note. The information in this column is received from the date column of the dbo.PROTOCOL table of the Intellect database</i>
Computer	Name of the computer where the event happens

**Note**

For details about the dbo.PROTOCOL table, see [Base Intellect database tables](#).

**Note**

The operator's comment confirming the event in [Event Manager](#) module is specified in square brackets in the **Information** field (see [Example of working with the Event manager module](#)).

**Attention!**

To create the auto generated protocol report you should select the report without video displaying.

### 8.7.3 Creating a Change protocol report

Rus

In order to create a protocol report, do the following:

1. Select the **Change protocol report** type (see [Selecting a type of general report](#) section).
2. As a result the dialog box for specifying the report parameters will be displayed.

### Change protocol report


Parameter	Value
Object type:	Choose: <a href="#">All</a> , <a href="#">None</a> <input checked="" type="checkbox"/> Access Level <input checked="" type="checkbox"/> Camera <input checked="" type="checkbox"/> Computer <input checked="" type="checkbox"/> Display <input checked="" type="checkbox"/> General reports <input checked="" type="checkbox"/> Security zone <input checked="" type="checkbox"/> TAM reports <input checked="" type="checkbox"/> Time Zone <input checked="" type="checkbox"/> Video capture device <input checked="" type="checkbox"/> Web Report System
Operators:	Choose: <a href="#">All</a> , <a href="#">None</a> <input checked="" type="checkbox"/> Unauthorized user
Delete objects:	<input checked="" type="checkbox"/> <b>3</b>
Create objects:	<input checked="" type="checkbox"/> <b>4</b>
Change objects:	<input checked="" type="checkbox"/> <b>5</b> <b>6</b>
Period:	User ▼ from 02/17/2016  to 02/17/2016

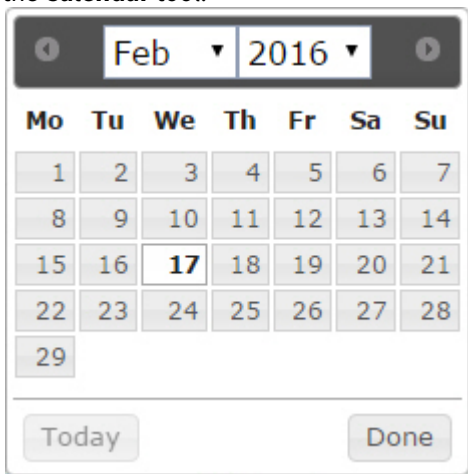
**Execute** **7**

Set the following report parameters:

- In the **Object type:** field set checkboxes in those types of objects to which the changed, created or removed object belongs (**1**).
- In the **Operators:** field set checkboxes in those users who have rights to change objects (**2**). The **Unauthorized user** value means change of system by unauthorized user, deleted user and/or user with deleted rights.
- To display deleted objects in the report set the corresponding checkbox (**3**).
- To display created objects in the report set the corresponding checkbox (**4**).
- To display objects which have been changed set the **Change objects** checkbox (**5**).
- Specify the period in the following way:
  - From the **Period:** drop-down list select the time period for which the report is to be created (**6**).



- b. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the  button near the corresponding field to use the **Calendar** tool.



7. To create a report click **Execute (7)**.

As a result a change protocol report with specified parameters is displayed.

General reports   People Counter detectors   POS reports   Queue Length detectors   Time and Attendance reports

Navigation: [General reports](#) > [Change protocol report](#) > Result

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### Change protocol report

Period:17.01.2016 - 17.02.2016

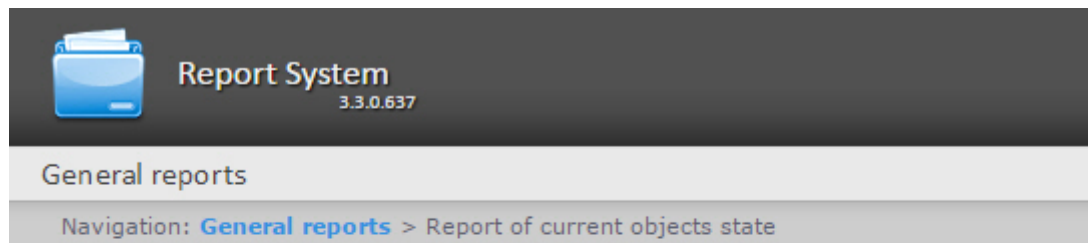
Object type	Object name	Event	User	Date	Computer	List of changes
Video capture device		Create	ADMIN	16/02/2016 10:33:27	R-FADIN-2	
Video capture device		Change	ADMIN	16/02/2016 10:33:32	R-FADIN-2	type <> => <Virtual>;
Camera		Create	ADMIN	16/02/2016 10:33:36	R-FADIN-2	
Camera		Change	ADMIN	16/02/2016 10:33:41	R-FADIN-2	source_folder <> => <C:\Users\tester\Desktop\piter>;
Display	Display 1	Change	ADMIN	16/02/2016 10:33:43	R-FADIN-2	SLAVE.guid.count <1> => <0>;
Display	Display 1	Change	ADMIN	16/02/2016 10:33:46	R-FADIN-2	SLAVE.guid.count <1> => <0>; SLAVE.slave_id.count <1> => <2>;
Monitor	Monitor 1	Change	ADMIN	16/02/2016 10:33:49	R-FADIN-2	CAM.ipstorage.count <1> => <2>; CAM.compressor.count <1> => <2>; CAM.stream_id.count <1> => <2>; CAM.direct_connect.count <1> => <2>; CAM.gstream_version.count <1> => <2>; CAM.gate.count <1> => <2>; CAM.guid.count <1> => <2>; CAM.arch.count <1> => <2>; CAM.speed.count <1> => <2>; CAM.cam.count <1> => <2>; CAM.compression.count <1> => <2>; CAM.gate_arch.count <1> => <2>;

## 8.7.4 Creating a report of current objects state

Rus

In order to create a report of current objects state, do the following:

1. Select the **Report of current objects state** type (see [Selecting a type of general report](#) section).
2. As a result the dialog box for specifying the report parameters will be displayed.



### Report of current objects state

Parameter	Value
Object:	Choose: <a href="#">All</a> , <a href="#">None</a> View: <a href="#">Hide all</a> , <a href="#">Show all</a>
	<div style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> <li>+ <input checked="" type="checkbox"/> Camera</li> <li>+ <input checked="" type="checkbox"/> Computer</li> <li>- <input type="checkbox"/> Time Zone               <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Time Zone 1</li> <li><input type="checkbox"/> Time Zone 2</li> </ul> </li> </ul> </div>
Period:	Current date and time

**Execute** 2

Set the following report parameters:

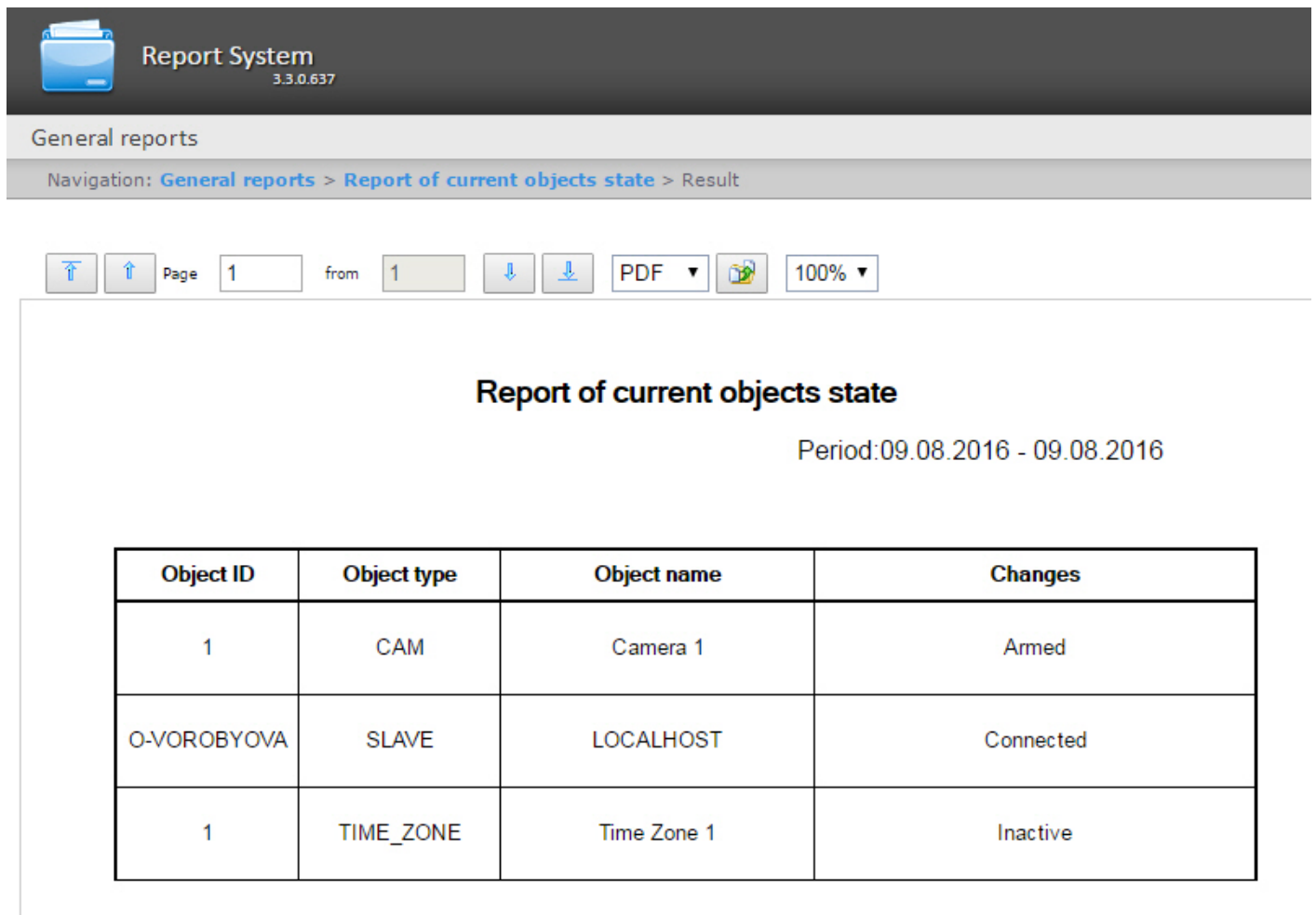
1. In the **Object:** field set checkboxes in those objects which current state is to be displayed in the report (1).

**Note.**

Only objects with status displayed on the map are given in the **Object** field.

2. Click the **Execute** button (2).

As a result a report of current objects state with specified parameters is displayed.



Report System  
3.3.0.637

General reports

Navigation: [General reports](#) > [Report of current objects state](#) > Result

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### Report of current objects state

Period:09.08.2016 - 09.08.2016

Object ID	Object type	Object name	Changes
1	CAM	Camera 1	Armed
O-VOROBYOVA	SLAVE	LOCALHOST	Connected
1	TIME_ZONE	Time Zone 1	Inactive

## 8.8 Working with Customer behavior reports

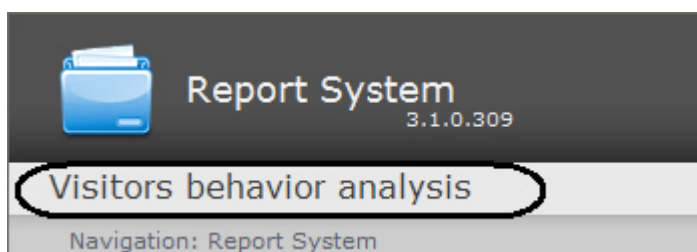
### 8.8.1 Selecting a type of Visitors behavior analysis reports

Rus

It is possible to create the following visitors behavior analysis reports:

1. Customer activity statistics report is used to inspect the change of customer activity over time and quantitatively estimate activity in different zones of monitored area.
2. Heat map report decides the issue of quick and quality comparison of customer activity in different zones of monitored area.

To select a type of visitors behavior analysis report click **Visitors behavior analysis** link in the report menu of *Intellect Web Report System*.

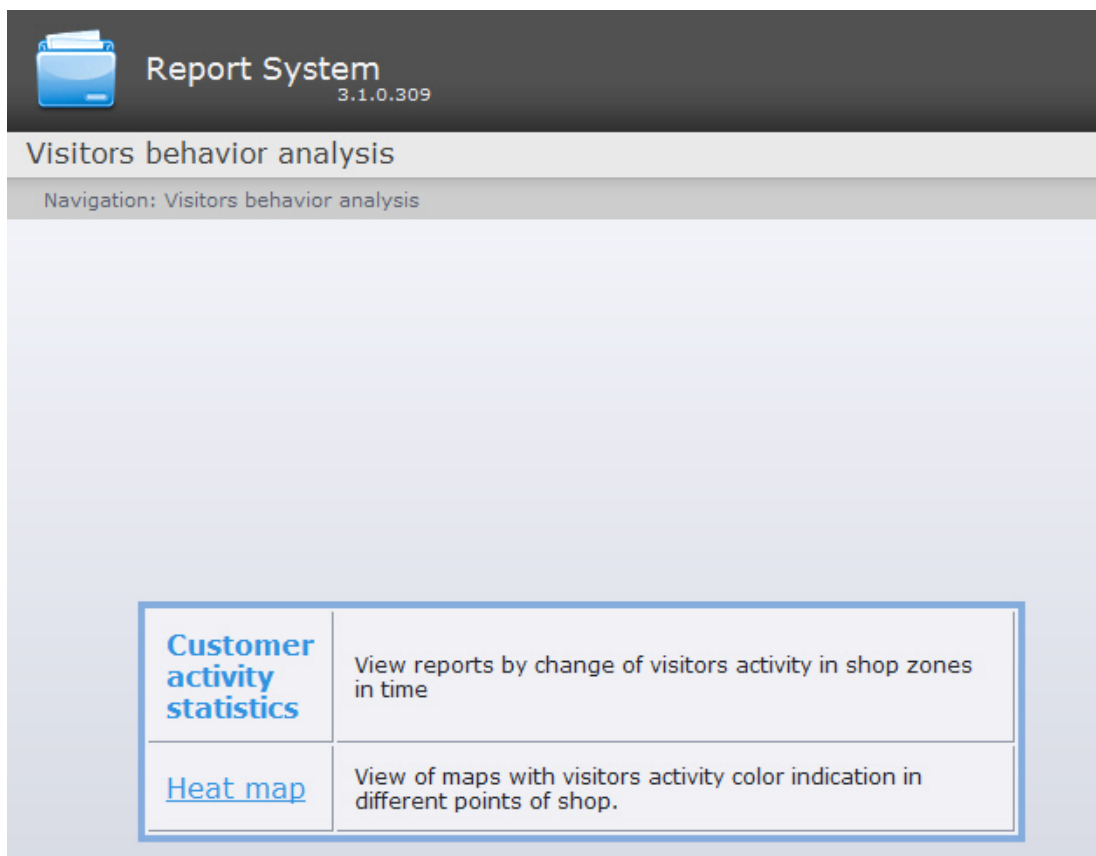


Report System  
3.1.0.309

**Visitors behavior analysis**

Navigation: Report System

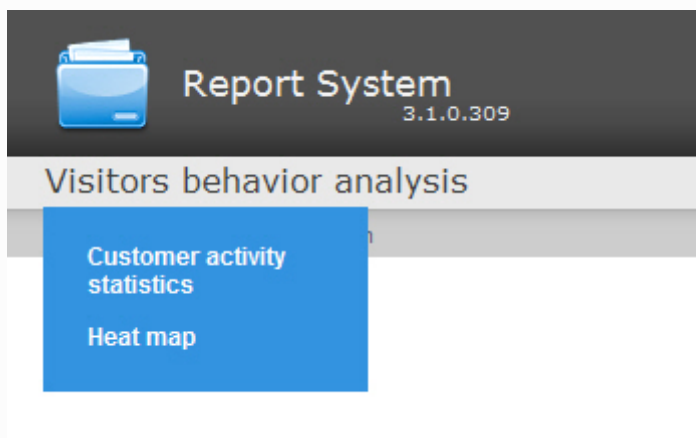
As a result the list of available visitors behavior analysis reports is displayed. For switching to the required report click the corresponding link.



<b>Customer activity statistics</b>	View reports by change of visitors activity in shop zones in time
<a href="#">Heat map</a>	View of maps with visitors activity color indication in different points of shop.

**Note.**

List of links for switching to visitors behavior analysis reports is available when hovering the **Visitors behavior analysis** link in the report menu.



## 8.8.2 Creating the Customer activity statistics report

Rus

To create the customer activity statistics report, do the following:



1. Select the **Customer activity statistics** type (see [Selecting a type of Visitors behavior analysis reports](#) section).

2. As a result the dialog box for specifying the report parameters will be displayed.

Parameter	Value
Receiving data period:	User defined 2 from 08/01/2014 00:00 to 08/31/2014 00:00
Included week days:	Mon - Sun
Chart step:	15 minutes
Detectors:	Choose: All, None <input checked="" type="checkbox"/> Area 1 <input checked="" type="checkbox"/> Region 1.1 <input checked="" type="checkbox"/> Zone 1
Show in one axis:	<input checked="" type="checkbox"/>

Execute

Set the following report parameters:

1. Specify the period in the following way:
  - a. From the **Receiving data period**: drop-down list select the time period for which the report is to be created (1).
  - b. If the **User defined** period is selected, enter the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the  button near the corresponding field to use the **Calendar** tool.
  - c. If the **User defined 2** period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.

If another period type is selected, specifying the date of start and end periods is not needed.

1. From the **Included week days**: drop-down list select days when most customers work (or conversely, not work) to consider in statistics (2).
2. From the **Chart step**: drop-down list select the time interval in which data will be averaged (3).

**Note.**

If receiving data period and specified included week days are not crossed the empty report will be created and message with proposal to change the **Included week days** parameter or specify another **Receiving data period** parameter.

3. In the **Detectors**: field set checkboxes in those zones information on which should be displayed in the report (4).

4. Set the **Show in one axis:** checkbox to display data from different areas in one chart **(5)**.
5. To create a report click **Execute (6)**.

As a result a **Customer activity statistics** report with specified parameters is displayed. The report displays average results for whole period and detailed statistics for each time interval.

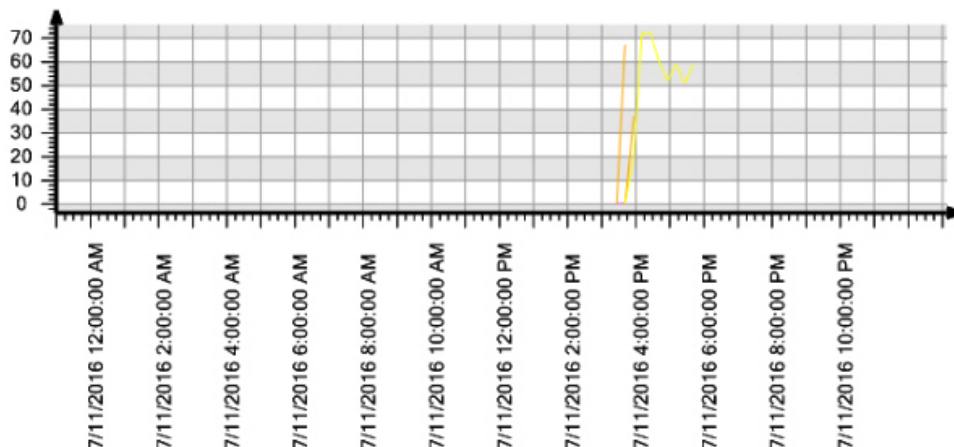
visitors behavior analysis

Navigation: [Visitors behavior analysis](#) > [Customer activity statistics](#) > Result

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Customer activity statistics  
 Period: 7/11/2016 12:00:00 AM 7/11/2016 11:59:59 PM  
 Included weekdays: Mon - Sun  
 Chart step: 15 minutes  
 Data source:

- Zone1 (Area 1, Region 1.1)
- Zone2 (Area 1, Region 1.1)
- Zone1 (Area 1, Region 1.1)
- Zone2 (Area 1, Region 1.1)
- Zone1 (Area 1, Region 1.1)
- Zone3 (Area 1, Region 1.1)
- Zone1 (Area 1, Region 1.1)
- Zone3 (Area 1, Region 1.1)
- Zone2 (Area 1, Region 1.1)
- Zone3 (Area 1, Region 1.1)
- Zone2 (Area 1, Region 1.1)
- Zone4 (Area 1, Region 1.1)



Detection	Period of data receiving	People
Average results for whole period		
Zone 1	7/11/2016 12:00:00 AM 7/11/2016 11:59:59 PM	19%
Zone 1	7/11/2016 12:00:00 AM 7/11/2016 11:59:59 PM	0%
Zone 1	7/11/2016 12:00:00 AM 7/11/2016 11:59:59 PM	0%
Zone 2	7/11/2016 12:00:00 AM 7/11/2016 11:59:59 PM	49%
Zone 2	7/11/2016 12:00:00 AM 7/11/2016 11:59:59 PM	0%
Zone 2	7/11/2016 12:00:00 AM 7/11/2016 11:59:59 PM	34%
Detailed statistics by points		
Zone 1	7/11/2016 3:30:00 PM 7/11/2016 3:44:59 PM	0%
Zone 1	7/11/2016 3:45:00 PM 7/11/2016 3:59:59 PM	37%
Zone 1	7/11/2016 3:30:00 PM 7/11/2016 3:44:59 PM	0%
Zone 1	7/11/2016 3:15:00 PM 7/11/2016 3:29:59 PM	0%
Zone 2	7/11/2016 3:30:00 PM 7/11/2016 3:44:59 PM	0%
Zone 2	7/11/2016 3:45:00 PM 7/11/2016 3:59:59 PM	20%
Zone 2	7/11/2016 4:00:00 PM 7/11/2016 4:14:59 PM	72%

## 8.8.3 Creating a Heat map report

Rus

To create the heat map report, do the following:

1. Select the **Heat map** report type (see the [Selecting a type of Visitors behavior analysis reports](#) section).
2. As a result the dialog box for specifying the report parameters will be displayed.

Parameter	Value
Receiving data period:	User defined 2 from 08/01/2014 00:00 to 08/31/2014 00:00
Included week days:	Mon - Sun
Detectors:	<ul style="list-style-type: none"> <li>- <input checked="" type="checkbox"/> Area 1               <ul style="list-style-type: none"> <li>- <input checked="" type="checkbox"/> Region 1.1                   <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Zone 1</li> </ul> </li> </ul> </li> </ul>
Conversion function:	Linear function (no conversion)
Absolute scale:	<input checked="" type="checkbox"/>

**Execute**

Set the following report parameters:

1. Specify the period as follows:
  - a. From the **Receiving data period**: dropdown list select the time period for which the report is to be created (1).
  - b. If the **User defined** period is selected, specify the date of start and end periods for which the report is to be created in the **from** and **to** fields using the **Calendar** tool. Click the button next to the corresponding field to use the **Calendar** tool.
  - c. If the **User defined 2** period is selected, specify additionally the time of start and end periods for which the report is to be created using the button.

If another period type is selected, specifying the date of start and end periods is not needed.

2. From the **Included week days**: dropdown list select days when most customers work (or do not work) to consider in statistics (2).



**Note**

If receiving data period and specified included week days are not crossed the empty report will be created and there will be the message suggesting to change the **Included week days** parameter or specify another **Receiving data period** parameter.

3. In the **Detectors:** field set checkboxes in those zones information on which should be displayed in the report **(3)**.
4. From the **Conversion function:** dropdown list select the function of converting initial data to relative values **(4)**.

**Note**

Different conversion functions are designed to draw special attention to various aspects of a store customers behavior statistics.

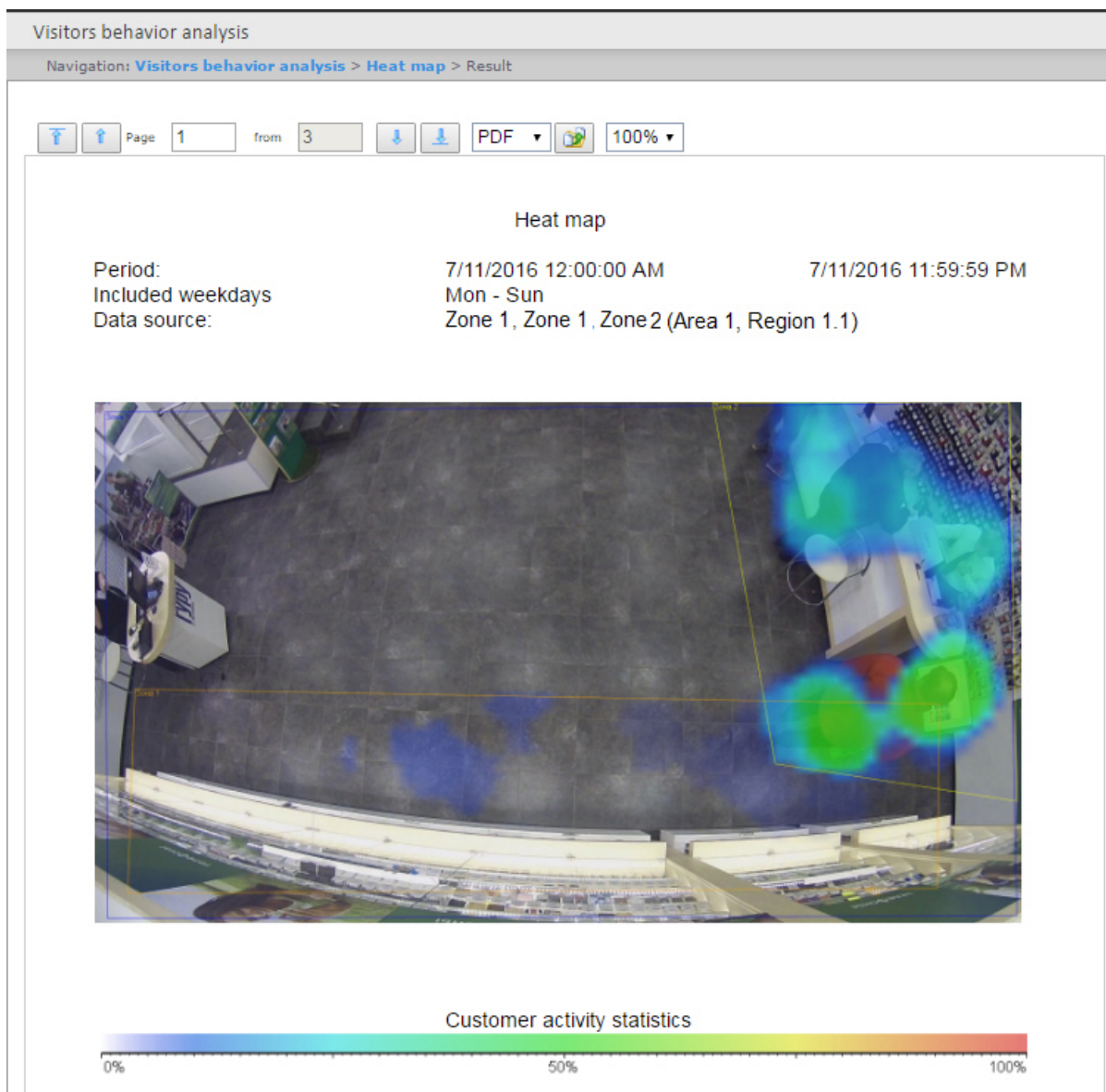
5. Set the **Absolute scale** checkbox if it is required to display initial data without any changes **(5)**.

**Note**

This option is recommended to be used when there is high customer activity in the store. If customer activity is low, it is recommended to set the **Absolute scale** checkbox unchecked. If a person is in the area 100% of the time, then the area will be red, if the person is not in the area at all, then it will not be colored. As practice shows, a person can not be in a certain area 100% of the time, hence, there will never be red zones. Use the conversion function to better demonstrate this **(4)**. For example, if the customer activity fluctuates in a range from 0% to 20%, each activity value will be multiplied by  $100\% / 20\% = 5$  and earlier the blue zone corresponding to 20% of activity will be displayed as 100% and red, but not blue. Find more information about the conversion functions at <http://easings.net/en> or <https://wiki.multitheftauto.com/wiki/Easing>.

6. To create a report click **Execute (6)**.

As a result a Heat map report with specified parameters is displayed. Customer activity in different areas of the observed area is highlighted in corresponding color.



## 8.9 Exporting of reports

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*Intellect Web Report System* allows exporting the created reports to computer in the following formats:

- PDF;
- RTF;
- HTML;
- Excel;
- CSV;
- Text.

From the dropdown list (1) select a format in which the report is exported and click the button (2).



**Note**

If there is "*System.OutOfMemoryException*" message when trying to export created **Report by users access levels** or **Report by users of access levels and readers reports** in PDF, then it is necessary to reduce exported data by splitting the report into several documents. For instance, create reports by less departments and then merge PDFs in one file using the third-party software.

## 9 Conclusion

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Please send your comments or requests concerning this Guide to the AxxonSoft Training and documentation development division at [documentation@itv.ru](mailto:documentation@itv.ru).

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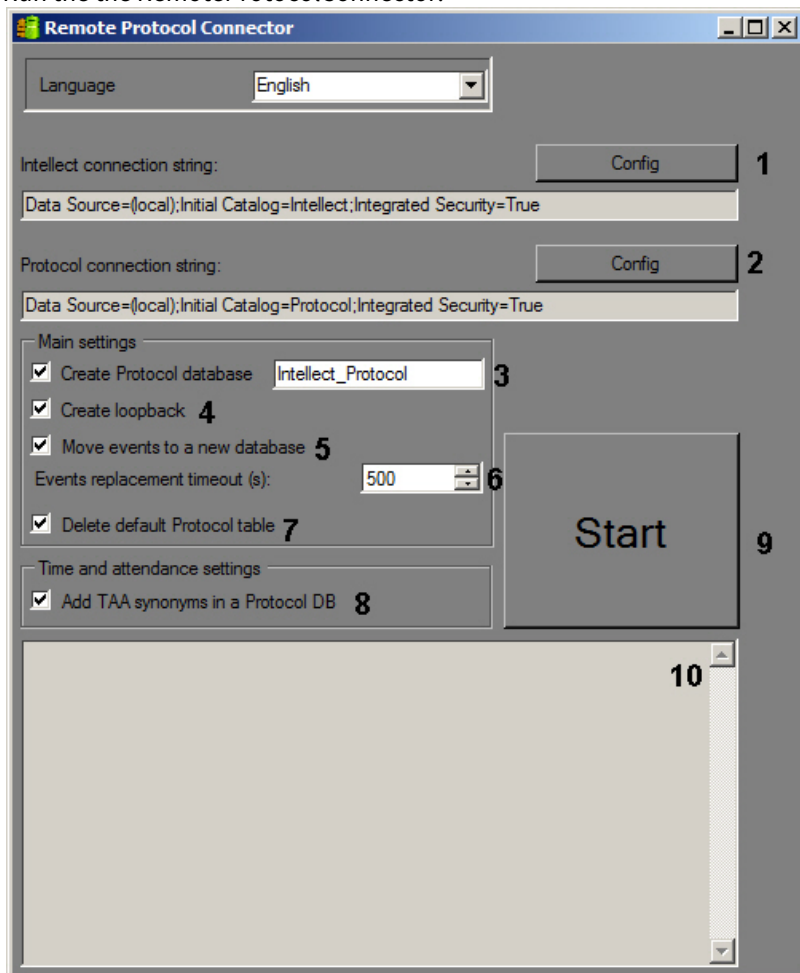
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## 10 Appendix 1. The RemoteProtocolConnector utility for extracting event protocol to a separate database

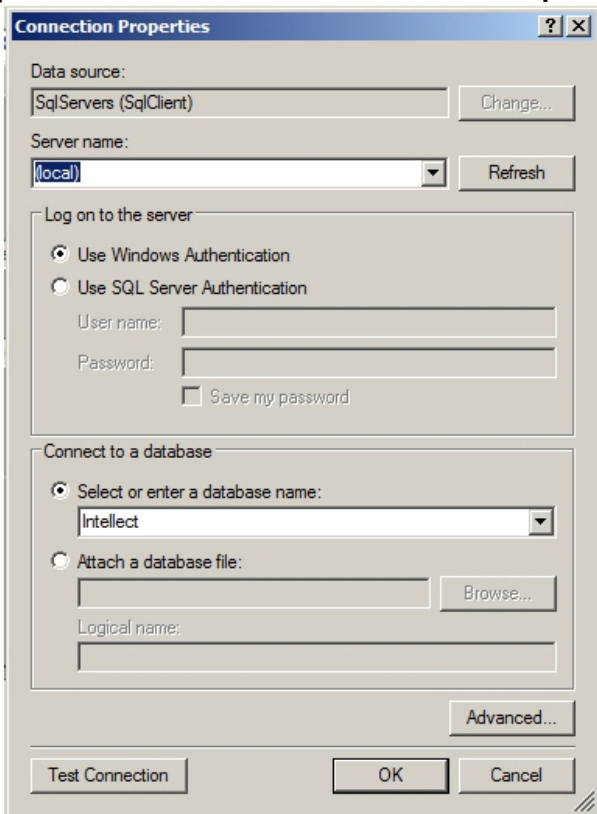
### 10.1 Extracting event protocol to a separate DB with RemoteProtocolConnector

Extracting event protocol to a separate DB with RemoteProtocolConnector is carried out as follows:

1. Run the the RemoteProtocolConnector.



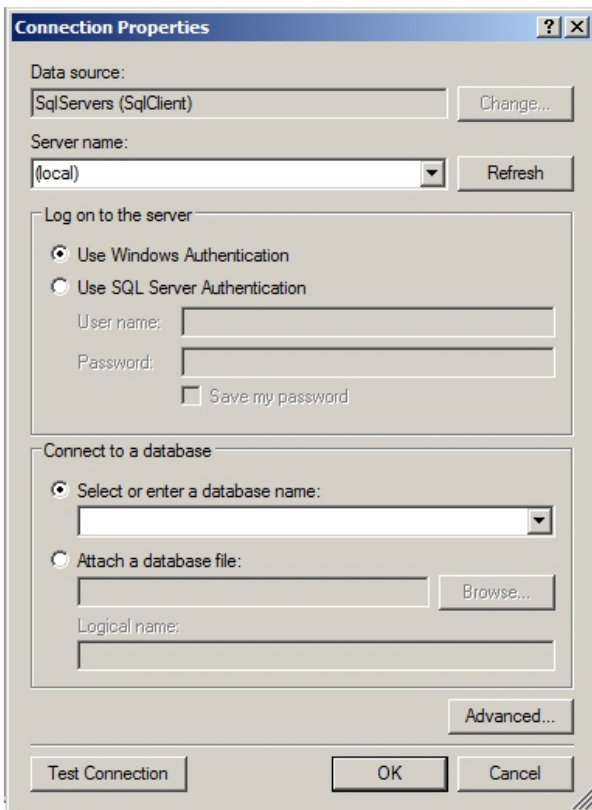
2. Check the connection string for *Intellect* software database. If the connection string is not correct, click **Config** (1) and set parameters of connection in the **Connection Properties** dialog box.



3. Specify the connection string to the database server on which the new event log database is to be created. To do that, click **Config** (2), then select database server and connection parameters in the **Connection Properties** dialog box. The **Select or enter a database name** field must be empty.

**Note.**

After moving the event protocol to a separate database, the connection string to created database is displayed in the **Protocol connection string** field.



4. Set the **Create Protocol database** checkbox and enter the name of new database in the corresponding field (3).
5. Set the **Create loopback** checkbox (4). This checkbox is required for creation of event protocol database synonym in order to write new events to a new database.
6. If events from the old event protocol database are to be transferred to a new one, set the **Move events to a new DB** checkbox (5). If this check box is not selected, the created database will initially be empty, and the events registered before the protocol transfer to a separate database will not be available in the system.
7. In the **Events replacement timeout field (s)** field, specify the time period in seconds to wait for the transfer of events into the new database to be completed (6). If there are many events that are transferred, this process can take a long time, so the timeout should be increased to avoid errors when executing SQL queries.
8. If after transferring the event protocol database into the new database it is required to delete the old database, check the **Delete default Protocol table** (7) checkbox.
9. Set the **Add TAA synonyms in a Protocol DB** checkbox (8). This checkbox is required to ensure that events of user passes are copied to the appropriate database table.
10. Click **Start** (9).
11. Data transferring process and errors that occur are displayed in (10) field.

### Important!

After performing the above actions start idb.exe utility and extract the event protocol database to the created database – see Appendix 2 of the *Intellect software. Administrator's Guide* (the most relevant version of this document is available in [AxxonSoft documentation repository](#)).

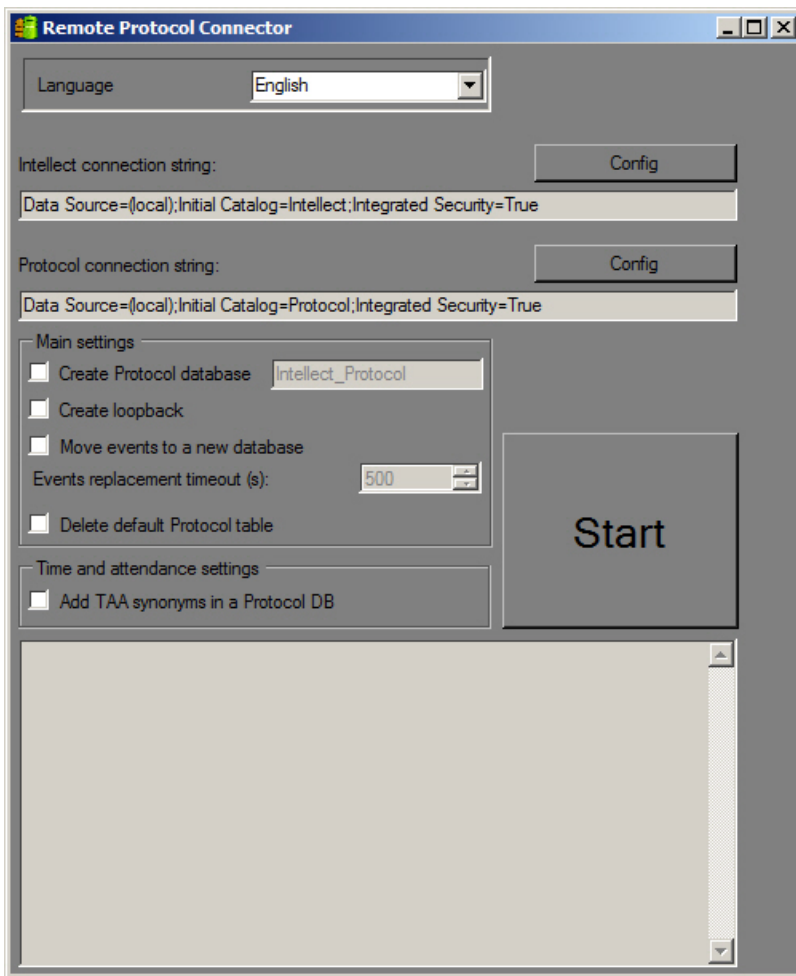
Extracting event protocol to a separate DB with RemoteProtocolConnector is completed.


## 10.2 Purpose of the RemoteProtocolConnector. Start and shutdown

*Intellect* software allows extracting event protocol into a separate database using the idb.exe utility – see *Intellect software. Administrator's Guide* (the most relevant version of this document is available in [AxxonSoft documentation repository](#)). However, this method can lead to troubles in operation of the *Time&Attendance* module which is the part of *ACFA-Intellect* software (see [Time and Attendance Module Settings and Operation Guide](#)). If this module is in use in the system, use the RemoteProtocolConnector utility to extract event protocol to a separate database.

To start the utility, run the RemoteProtocolConnector.exe executable file in the <Intellect installation>\Tools folder.

The utility window is shown in the picture below.



To stop the RemoteProtocolConnector utility, click the  button.