

Report System  
User Guide

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# Introduction

## Purpose of document

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.

## Purpose of 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. Face search by picture ("Face" module). The [Face Intellect](#) software package is required for working.
5. Creating and exporting general and detailed reports by work time accounting (WTA reports). The [ACFA Intellect](#) software package is required for working.
6. Creating and exporting general and detailed reports by count of people in the monitored object (People Counter detection). The [Intellect Detector Pack](#) software package is required for working.
7. Creating and exporting reports by queue length (Queue length detectors). The [Intellect Detector Pack](#) software package is required for working.
8. Creating and exporting general and detailed reports by POS-events (POS reports). The [POS Intellect](#) software package is required for working.
9. 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.

10. Setting up the varied user access to all reports.
11. 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.

12. Creating and exporting customer behavior reports. The [Intellect Detector Pack](#) software package and [Analytics Pack](#) subsystem are required for working.

## Components of Intellect Web Report System

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.

# Requirements for Intellect Web Report System realization

## Web server of Intellect Web Report System

For Web server organization 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.

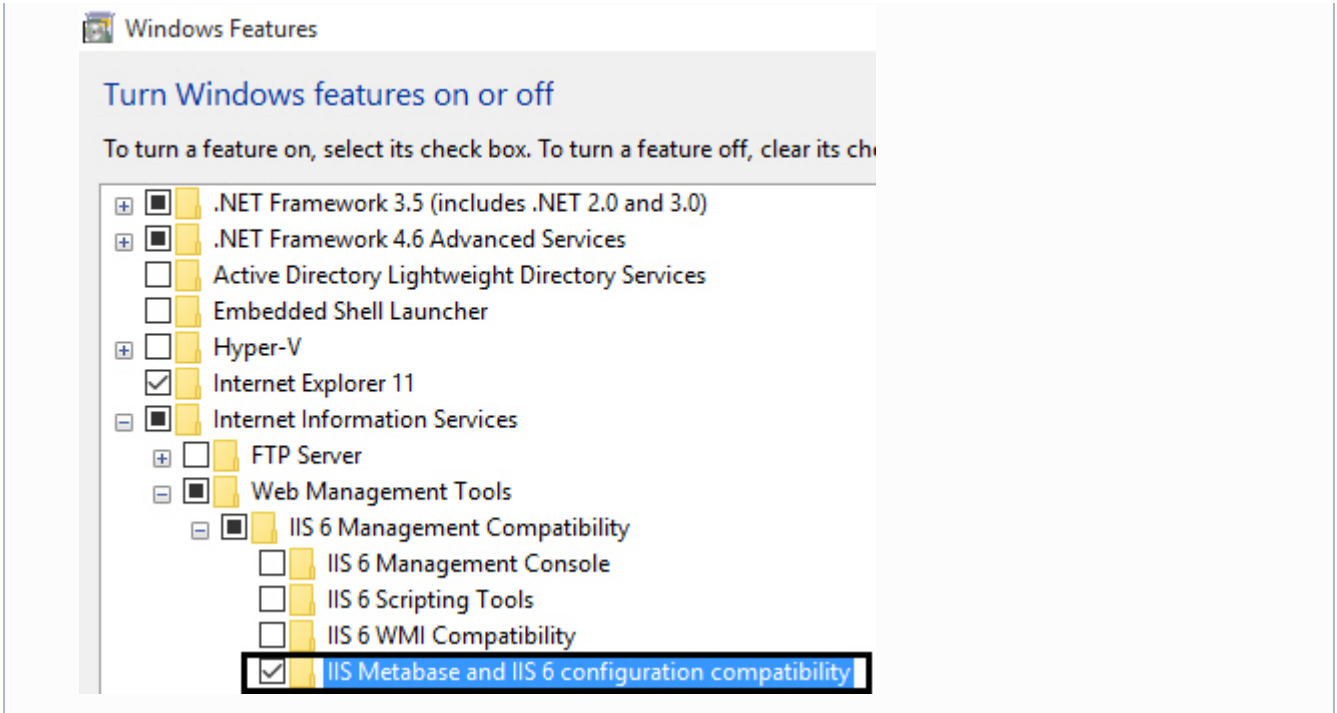
ASP.NET 4.5 module is to be enabled in the following places for Windows 8/8.1 OS:

- .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.



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.

## Client of Intellect Web Report System

### General requirements

For proper displaying on Web interface Client of Face Intellect software package the following conditions are necessary:

1. Internet Explorer browser of 8.0 version and later.



**Attention!**

Use Internet Explorer 32-bit browser for Intellect Web Report System functioning in 64-bit operating system.

2. If it is supposed to view video archive of event from the report:
  - a. Permission to use ActiveX components in browser.
  - b. ActiveX CamMonitor set component.



**Note.**

CamMonitor component is installed automatically with Intellect software package.

If Intellect software package is not installed on the Client it's necessary to install this component separately.

### Setting up security parameters in Internet Explorer browser

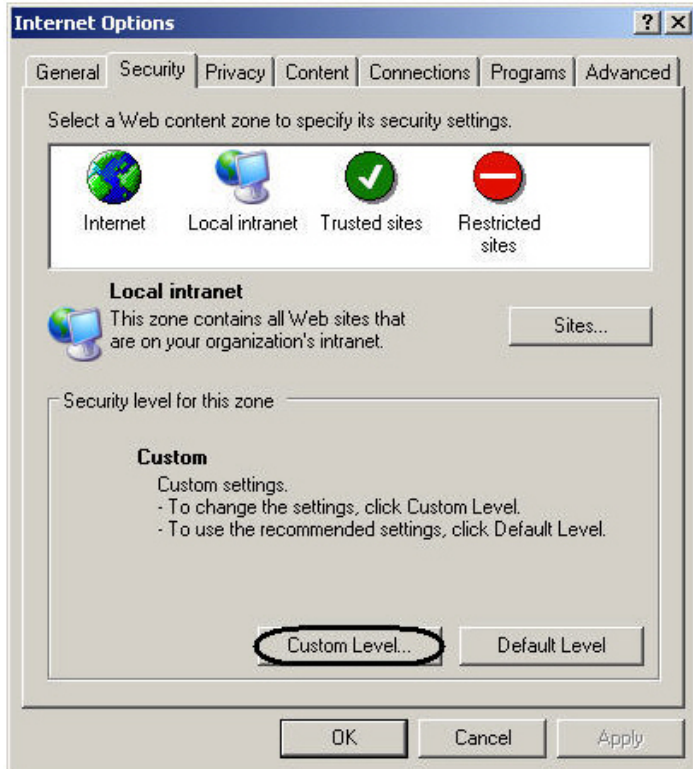
On default the use of ActiveX components is forbidden in Internet Explorer, that is why it's necessary to set extra security parameters.

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.

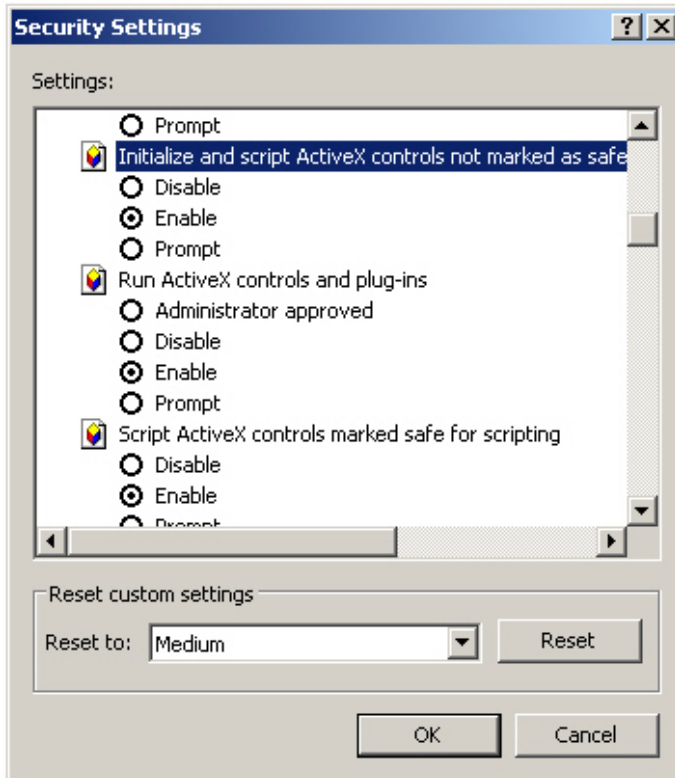


3. In selected zone of dialog box (selected on default) click Custom level.

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.

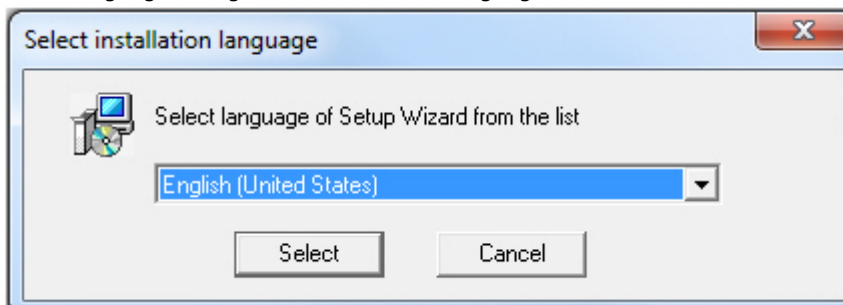
# Intellect Web Report System installation and removing

## Installation

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.](#)

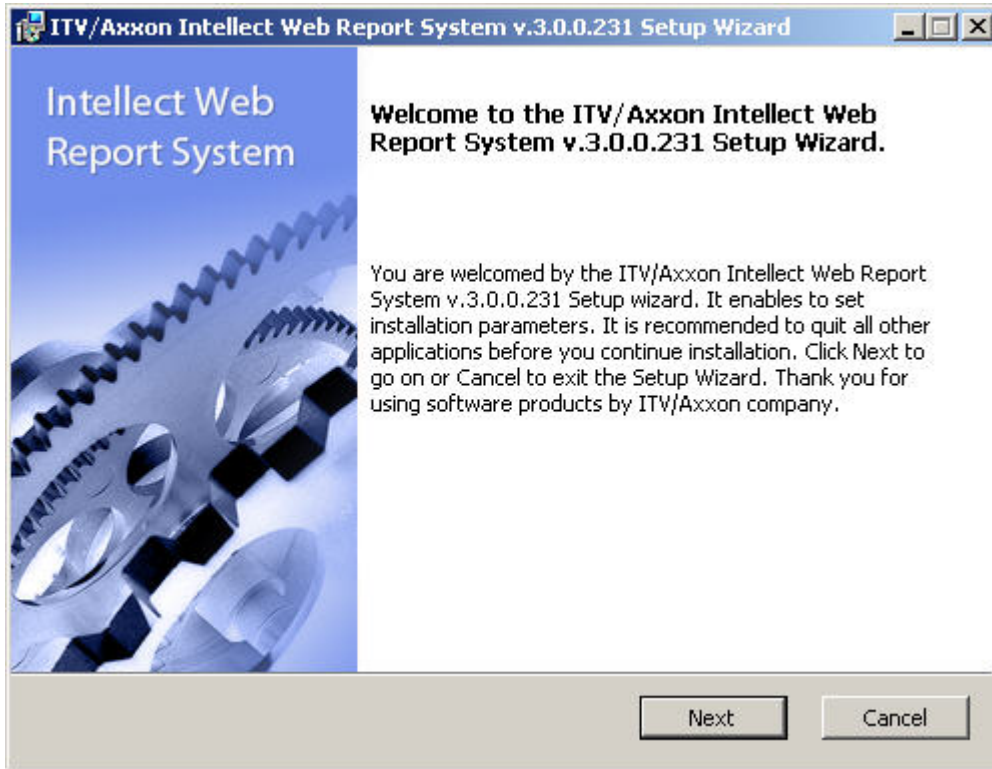
To install Intellect Web Report System do the following:

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



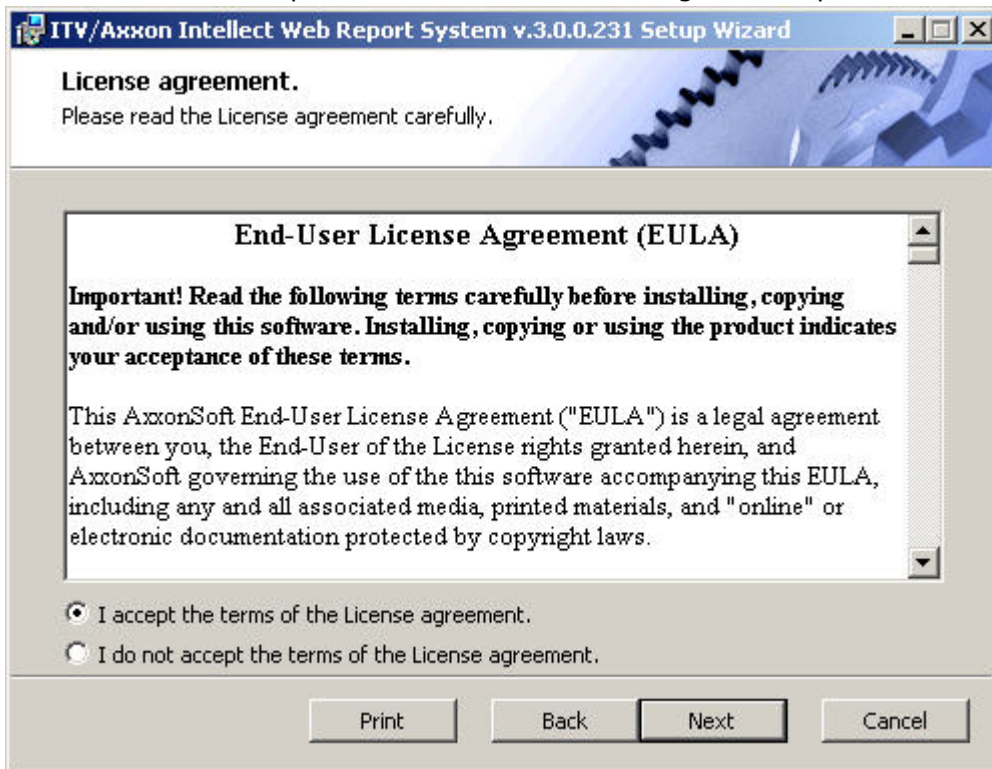
3. Click Next in the welcome window of setup wizard.





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.



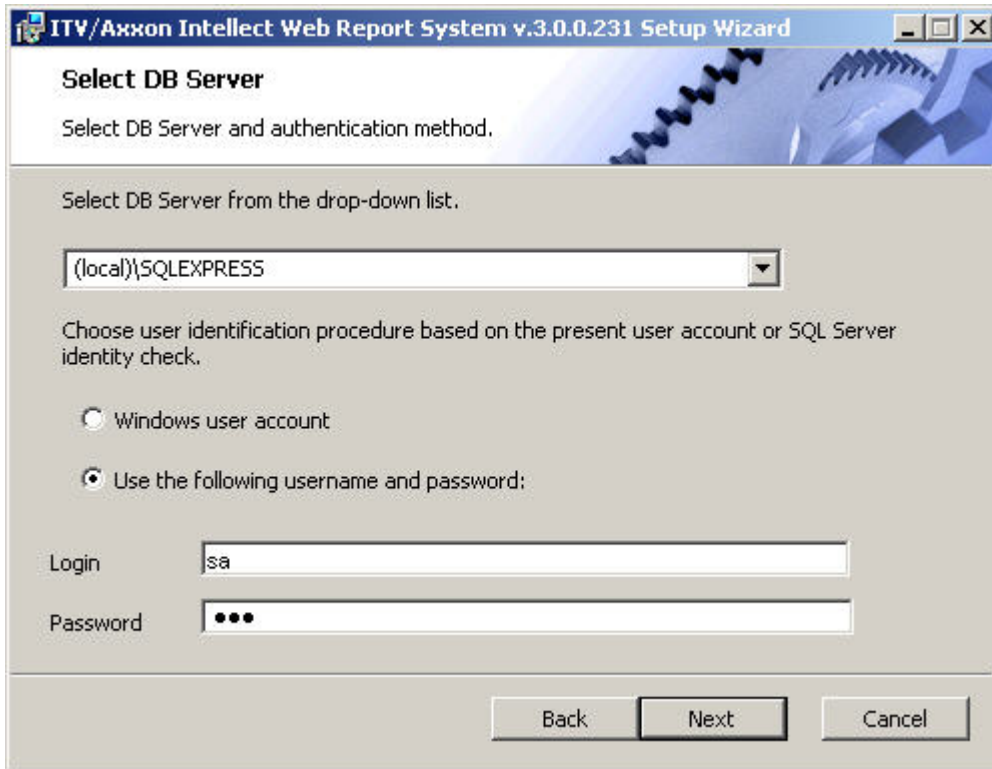
The Select DB server window is displayed.

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:

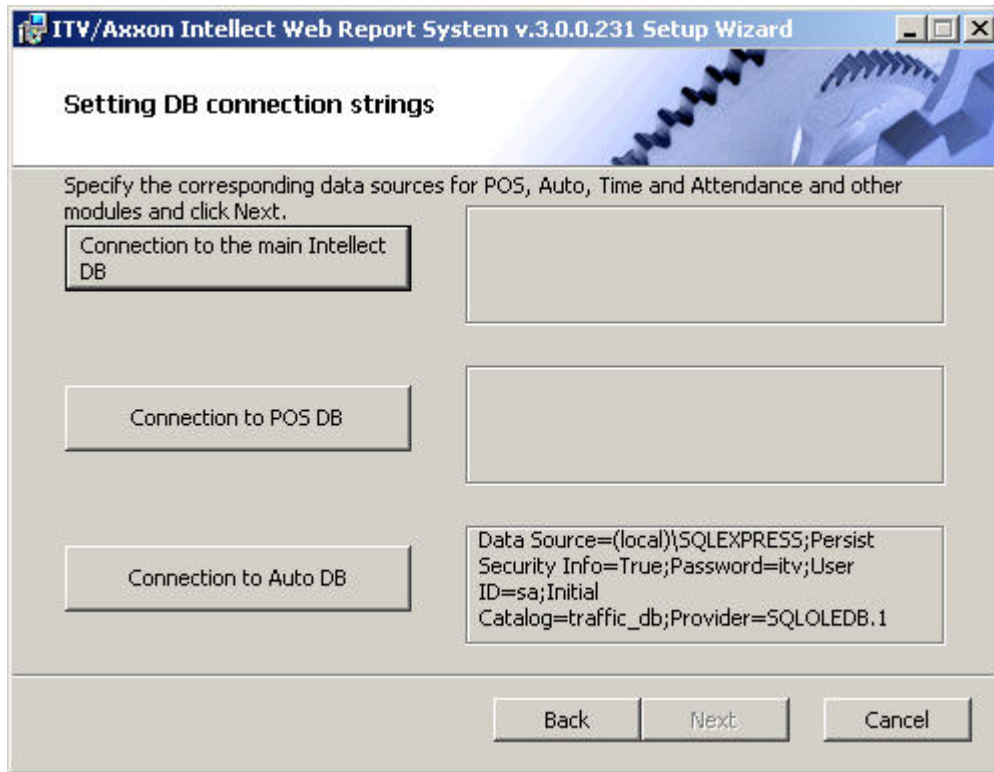
- a. When SQL server where it's necessary to create Intellect Web Report System database and system itself are installed on one computer.
- b. When SQL server and Intellect Web Report System system are installed on different computers connected by TCP/IP and located in one network domain. An account 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:

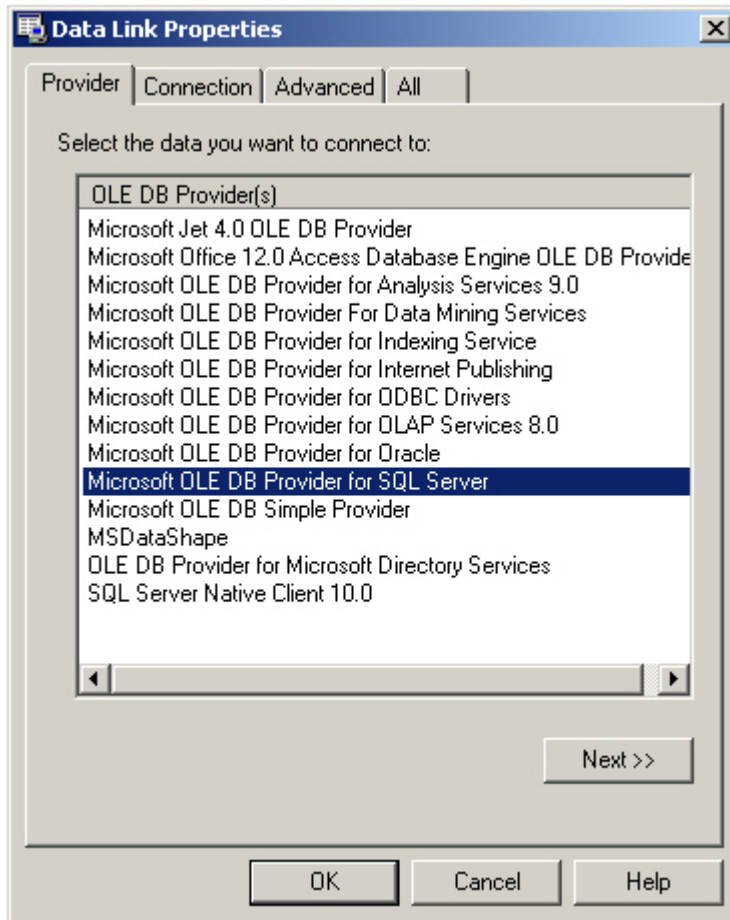
- a. When SQL server where it's necessary to create Intellect Web Report System system database and system itself are installed on one computer.
- b. When SQL server and Intellect Web Report System system are installed on different computers connected by TCP/IP and located in one network domain. At the 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.

**i** 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).

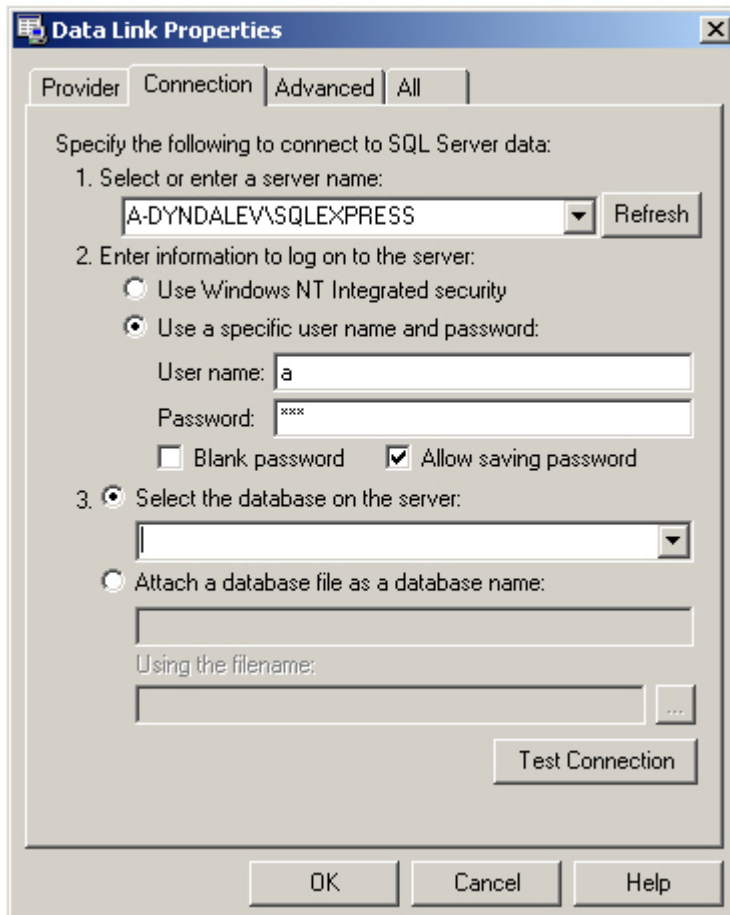


8. To set connection string to the database of Time and Attendance module do the following:
  - 8.1 Click Connection to the main Intellect DB.
  - 8.2 As a result the Data link properties dialog box is displayed.



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.



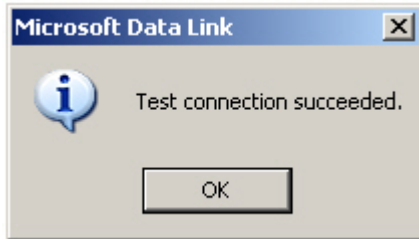
8.5 In 1. Select or enter a server name line select from the list or enter manually the name

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.

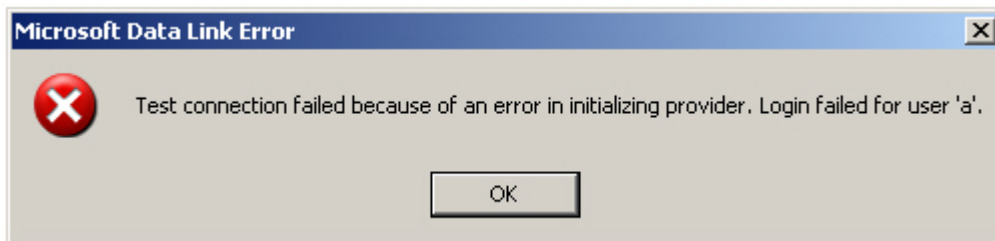
8.7 To check connection to SQL server click Test connection.

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:

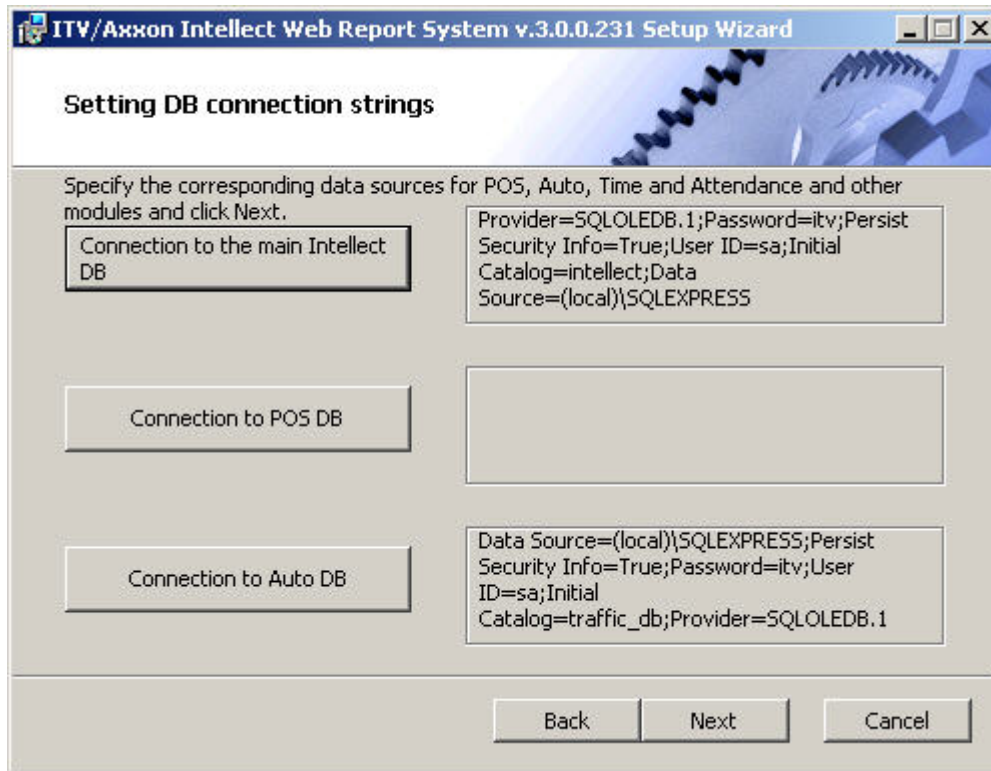
10.1 Click Connection to Auto DB.

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).

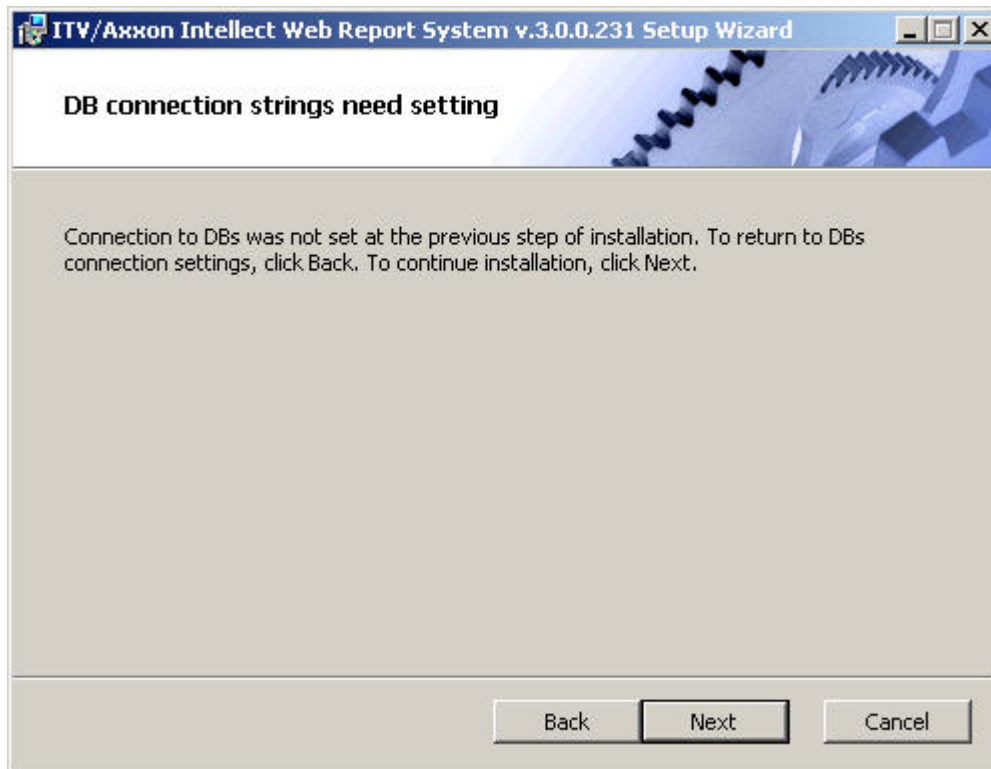
Connection strings to databases are displayed in the Setting DB connection strings dialog

box.



- 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).



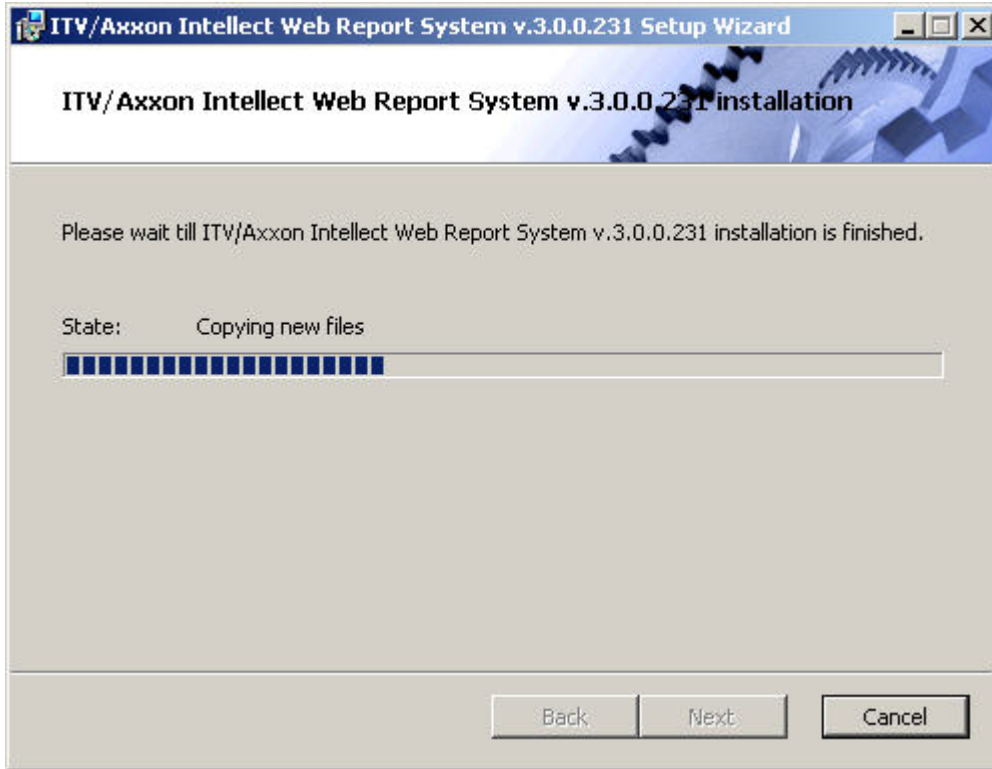
This dialog box warns about failure of connection to DB that doesn't guarantee the operation of the system.

**Note.**  
 If there was installation without setting connection to DB then you can set the connection to DB using C:\P

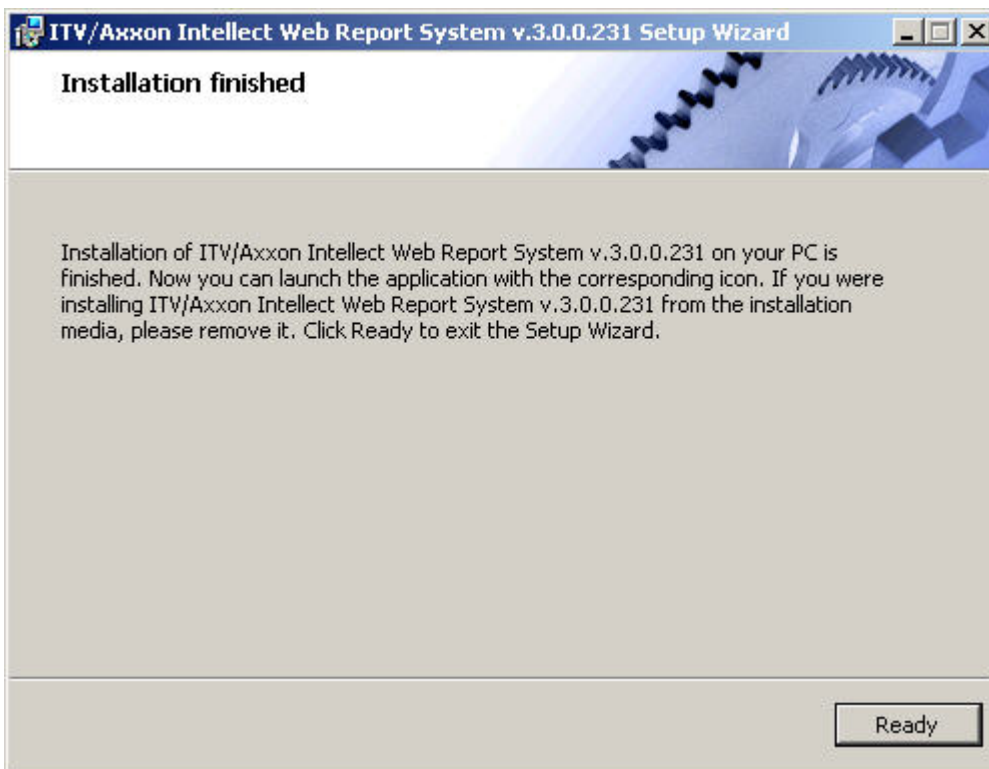
rogram Files\Интеллект\Modules\Wt2\Web.config file and adding connection strings. Examples of connection strings are given below:

- 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.

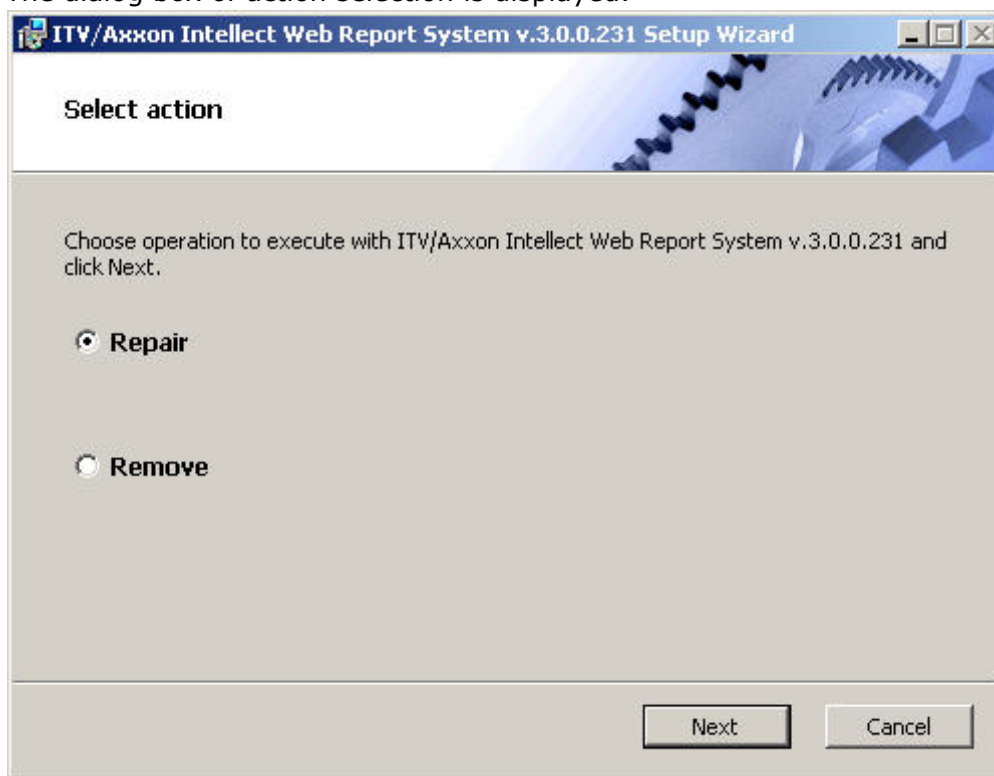
## Repairing

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.

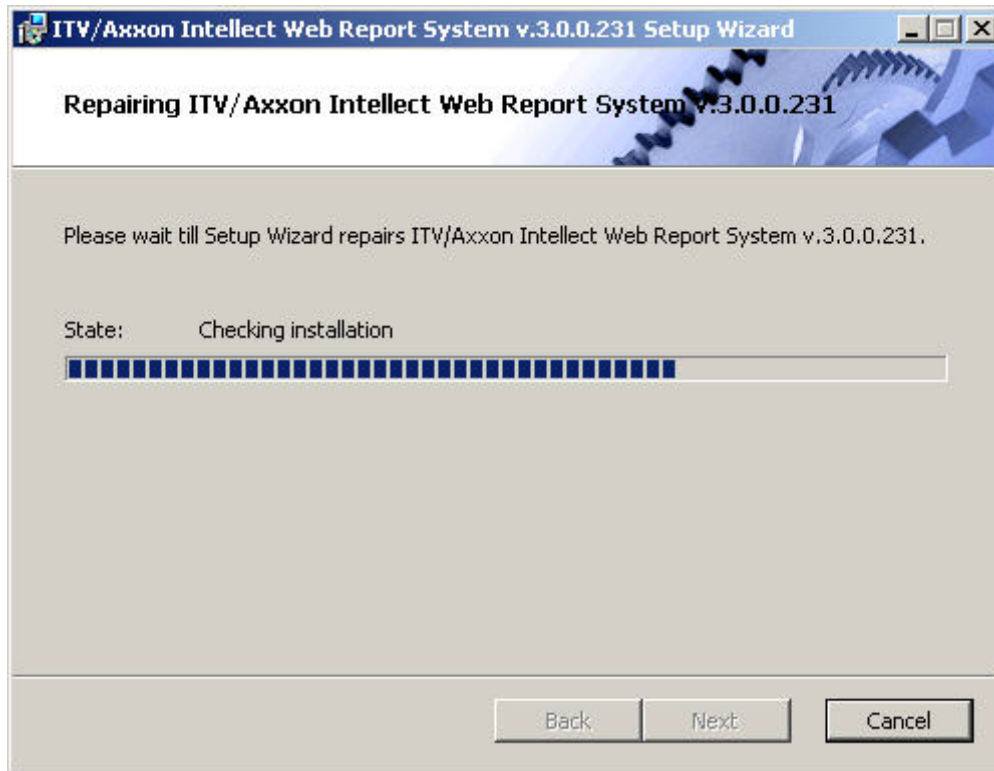
To repair Intellect Web Report System do the following:

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!**

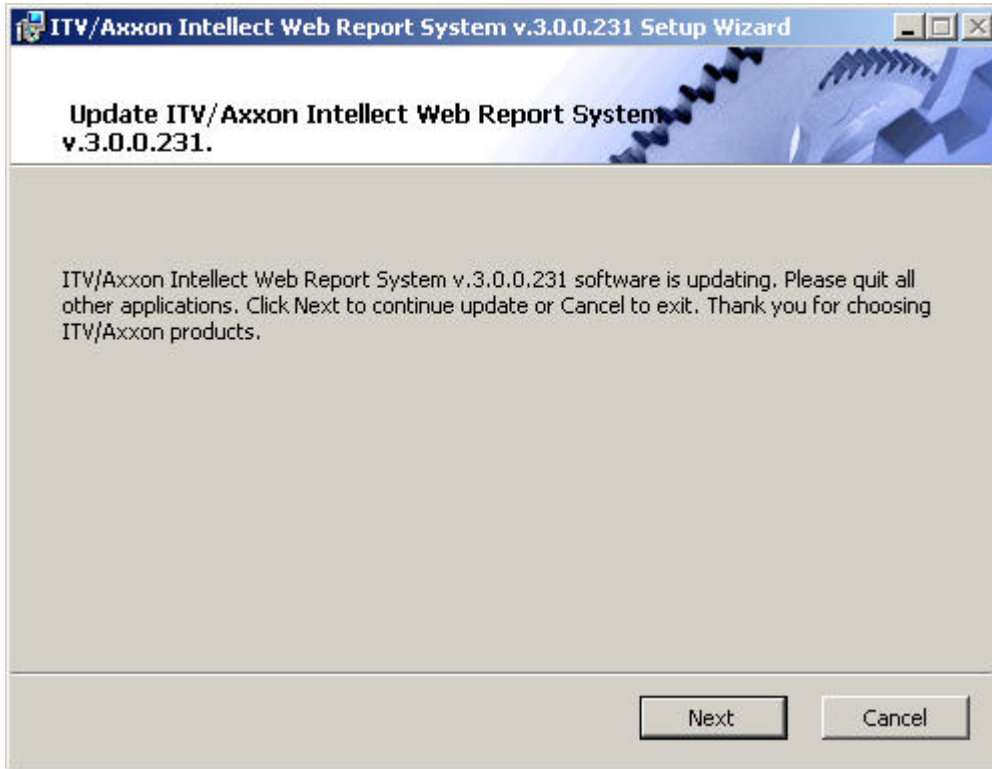
After Intellect Web Report System repairing it's necessary to restart Intellect software package.

## Updating

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

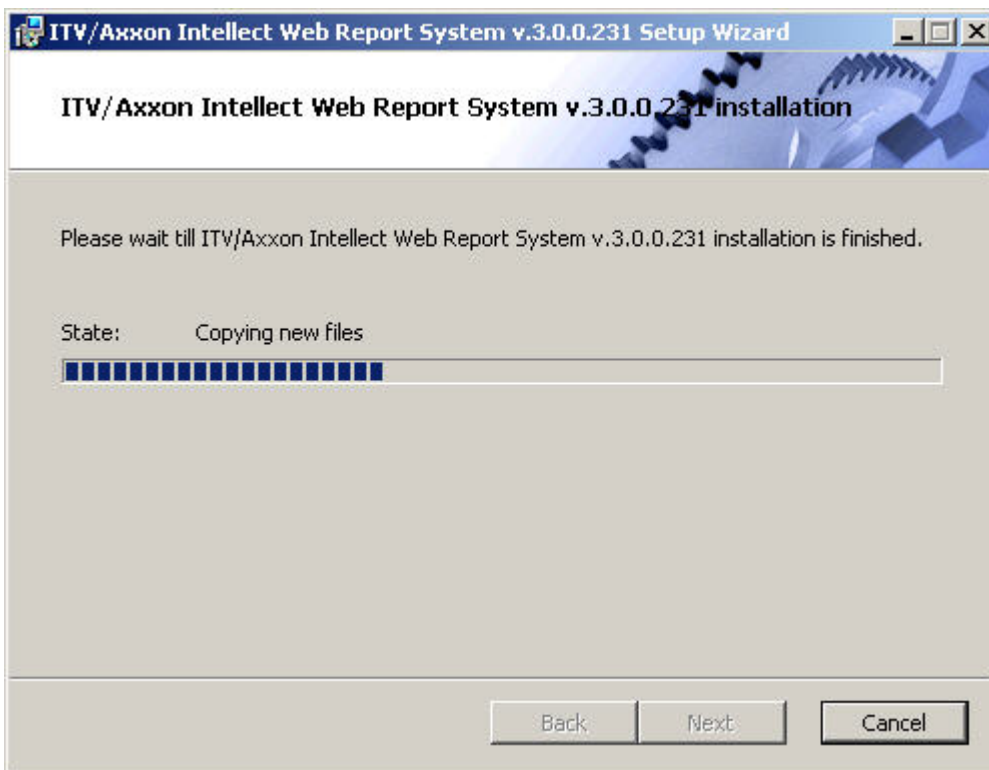
To update Intellect Web Report System do the following:

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.

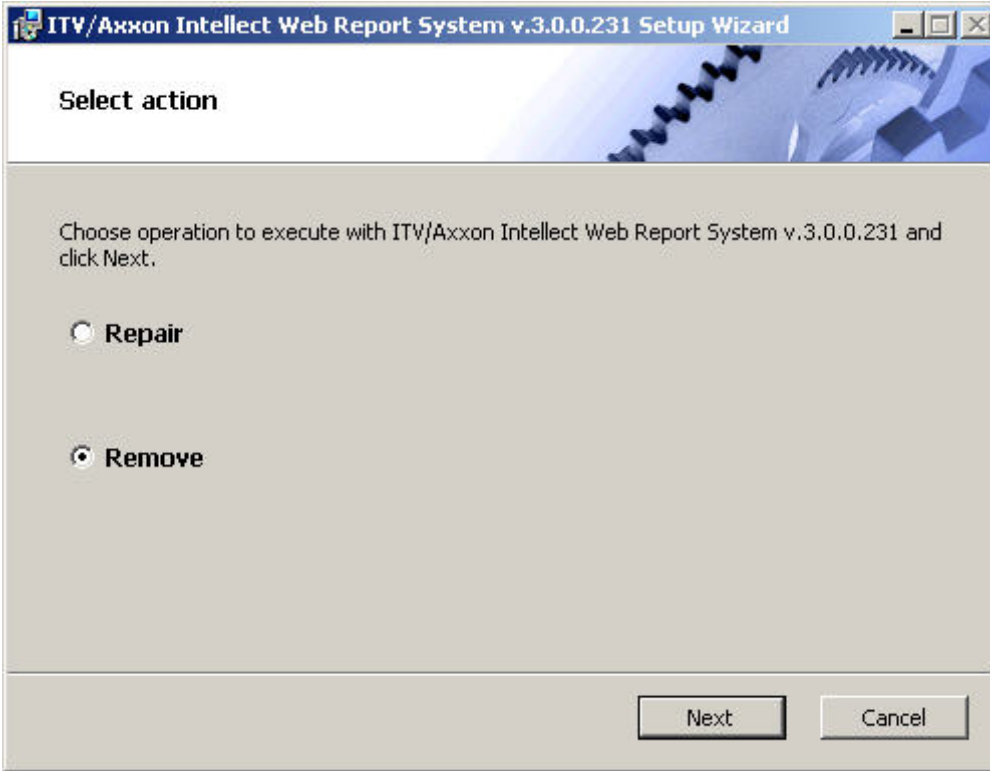
## Removing

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:

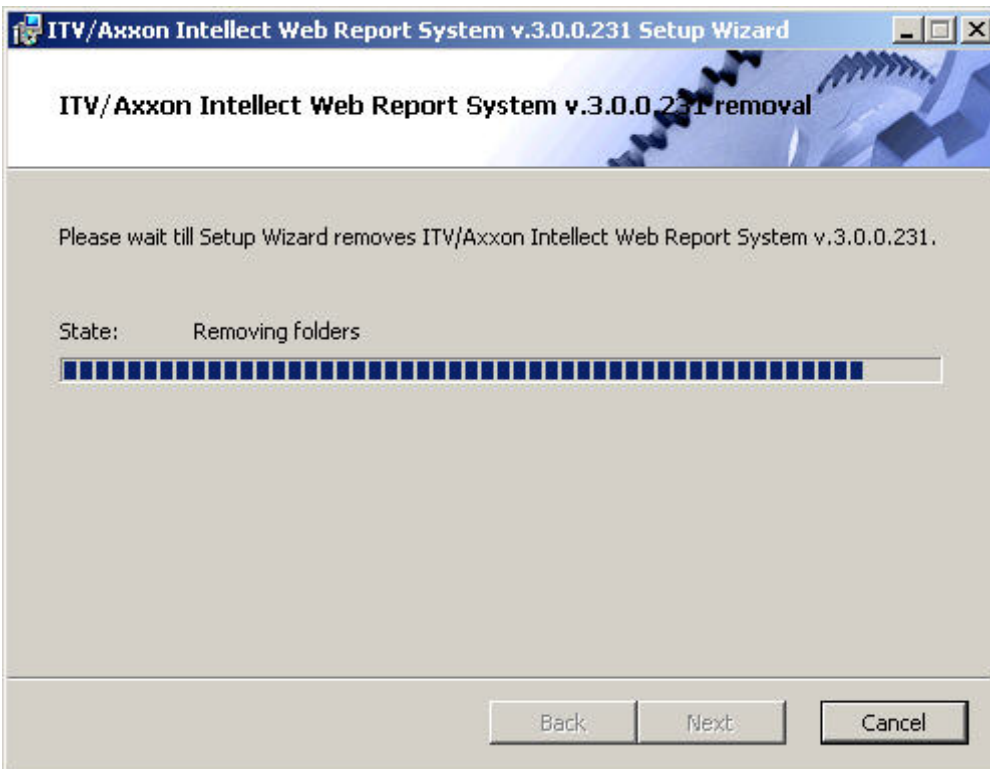
1. Using Add or Remove Programs application of Windows OS control panel;
2. Using ReportSystem.msi installation package.

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.

# Intellect Web Report System licensing

## Activation key

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.

## Activation of Intellect Web Report System functionality

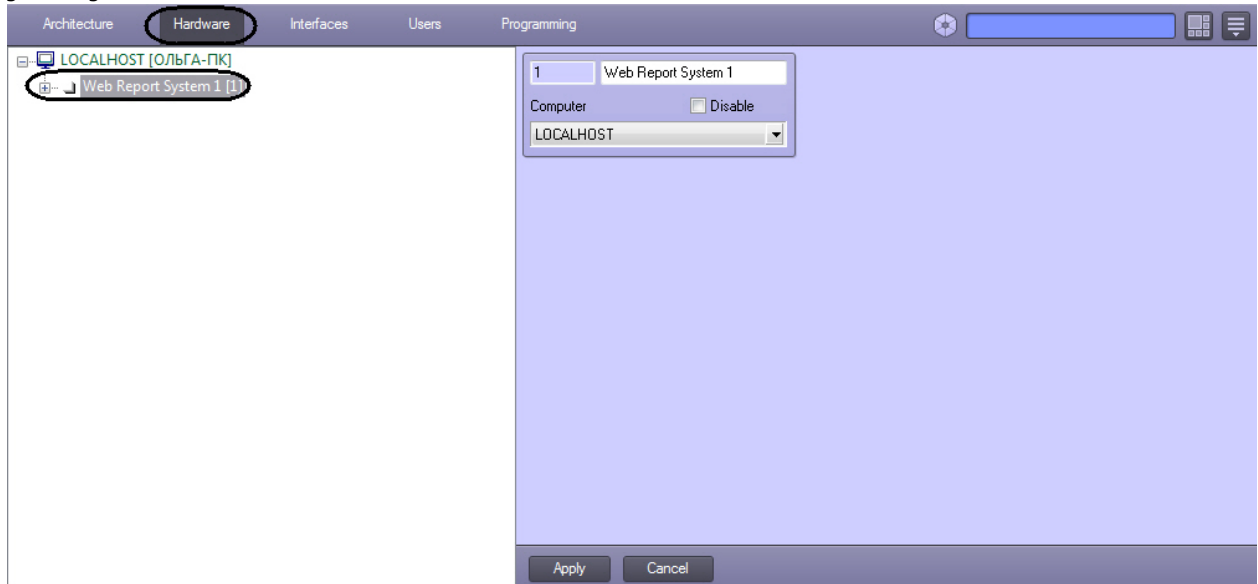


**Attention!**

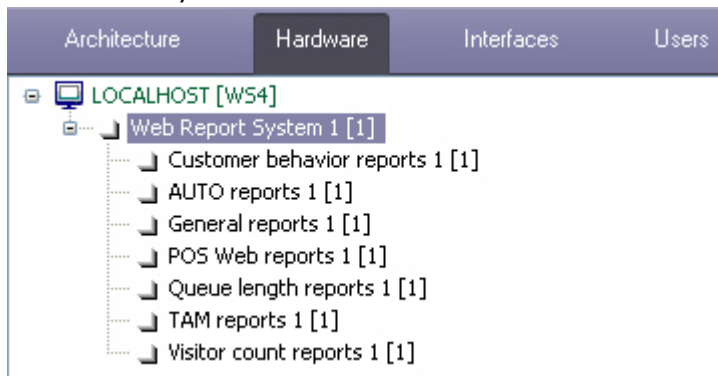
The activation of Intellect Web Report System functionality is possible only if there is the corresponding activation key.

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.



**Note.**

If it is necessary to activate the Search by picture functional module that corresponds to Face Intellect software package then it is necessary to create and setup the corresponding object on the basis of the Web report system ( see Face Intellect software package. User Guide).

Activation of Intellect Web Report System functionality is completed.

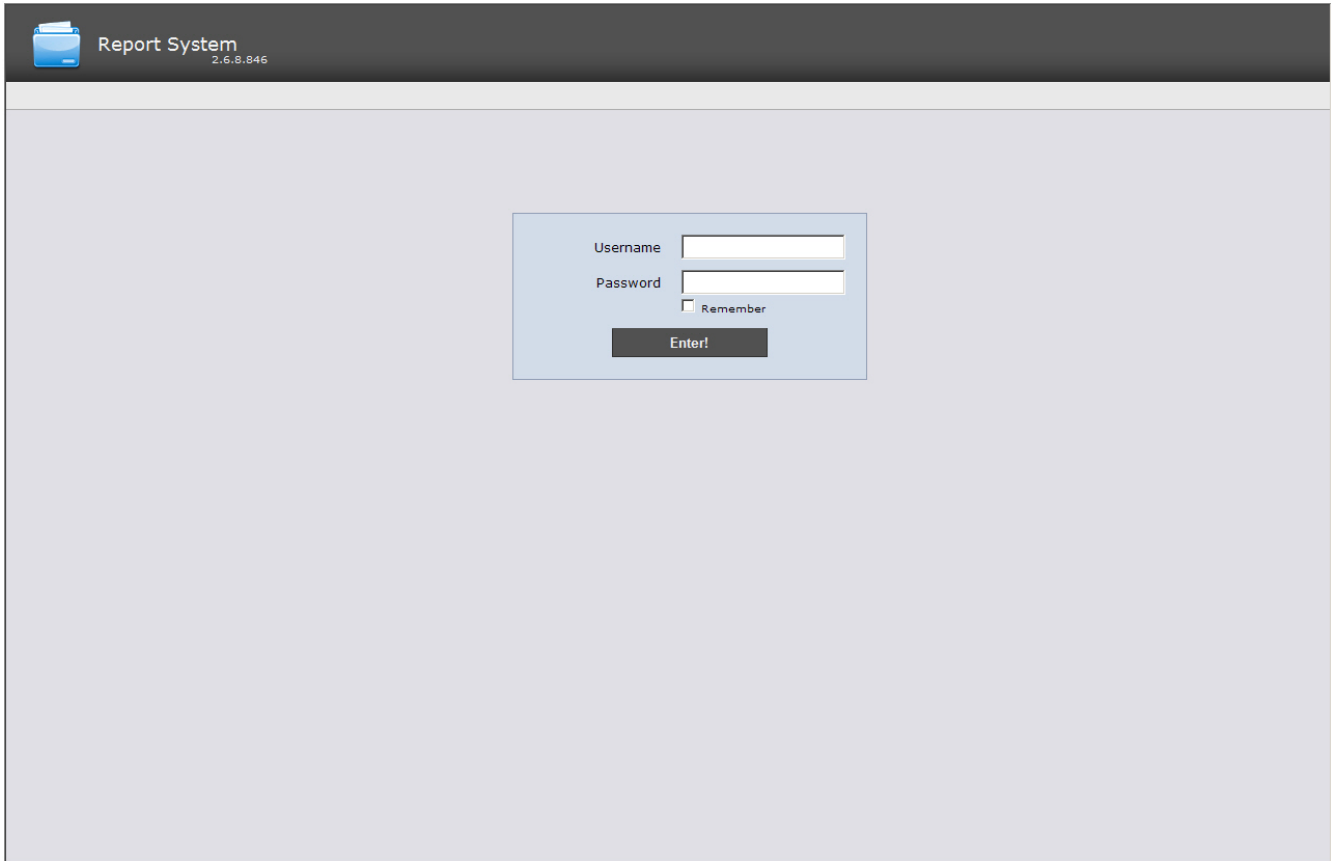
# Intellect Web Report System startup and shutdown

## Ways of starting

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.



## Authorization

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).



Username

Password

Remember

**Enter!**

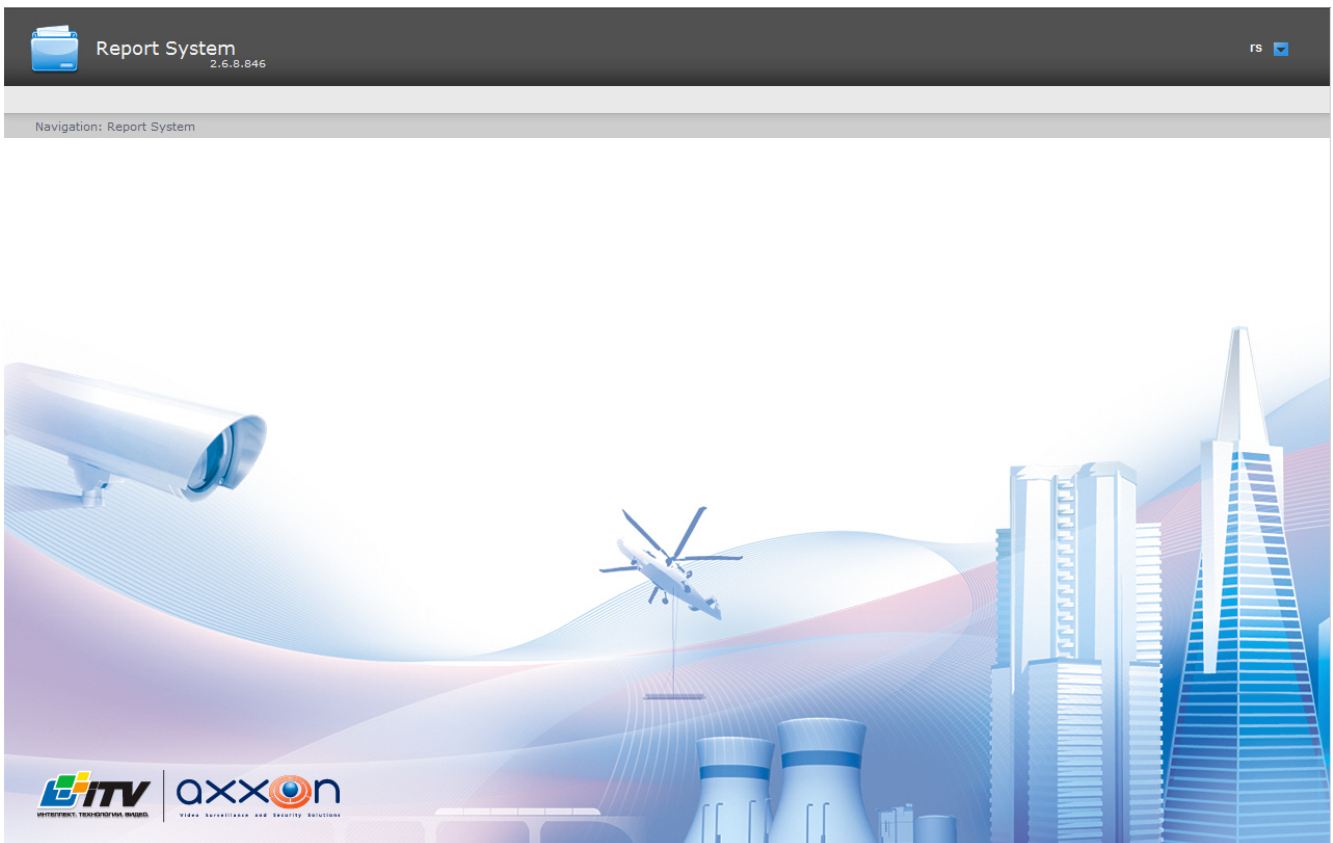
3. Set the Remember checkbox if the automatic authorization in Report System (with parameters specified in the step 2) is required.
4. Click Enter.

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



Note.

Interface of the document page is described in the Report System interface chapter.




## Shutdown

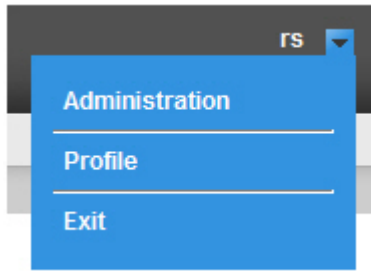
To shutdown Intellect Web Report System close the window in the browser.

## User switching

One can switch Intellect Web Report System users fast.

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.


## Intellect Web Report System interface

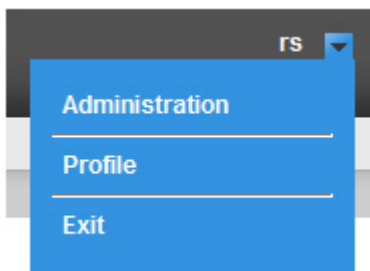
Intellect Web Report System interface consists of the following elements:

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

### Context menu

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.



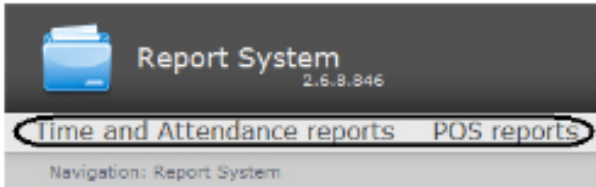
The following operations are available from the context menu:

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.

### Page of documents

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.

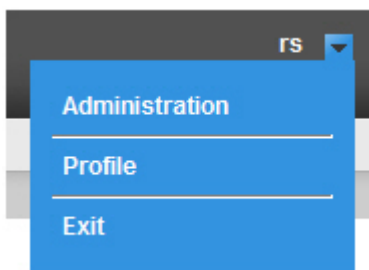


**i** Note.  
If there are no operation rights for Time and Attendance reports and/or POS reports then the corresponding items of the reports menu (POS reports, Time and Attendance reports) are not displayed.

## Administration page

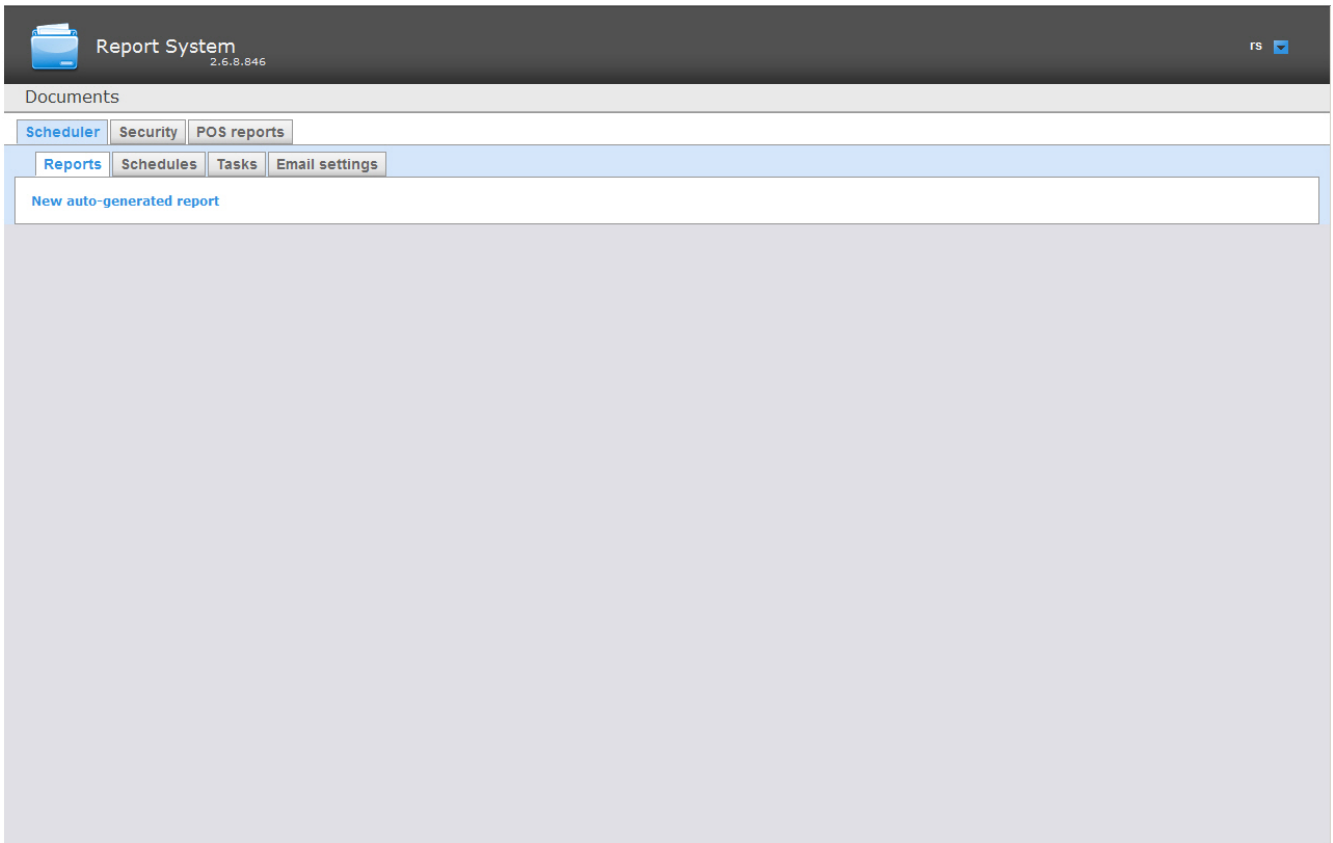
Switch to the Intellect Web Report System administration page is carried out through the context menu by selecting the Administration item.

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

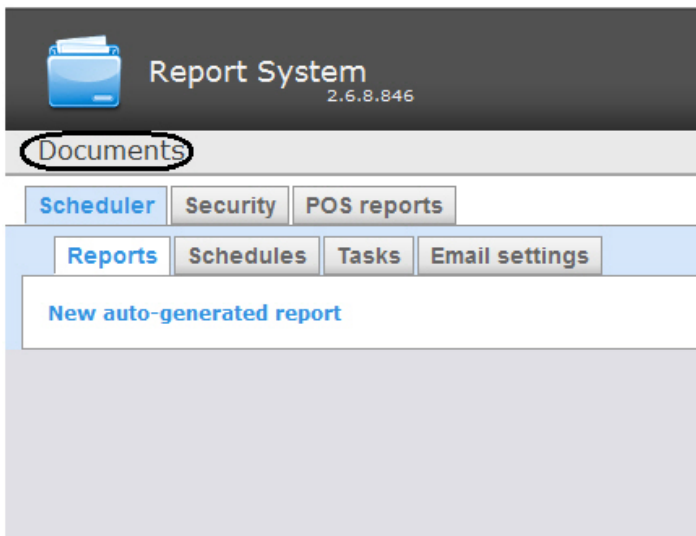


The Intellect Web Report System administration page will display.



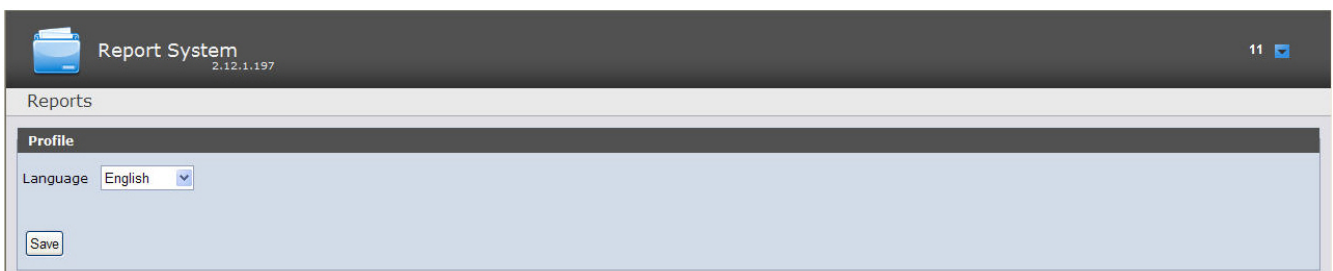


To return to the documents page click the Documents link.

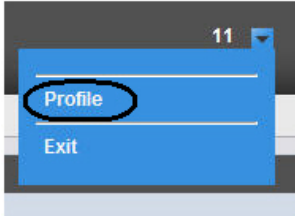


## User profile page

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



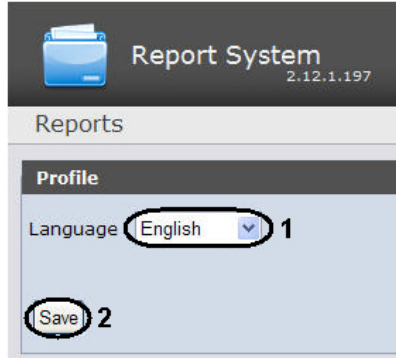
Switch to the Intellect Web Report System user profile page is carried out through the context menu by selecting the Profile item.



## Change the Intellect Web Report System interface language

To change the interface language, do the following:

1. Go to the user profile page.



2. From the Language drop-down list select the requested interface language (1).
3. Click Save (2).

Changing the interface language is completed.

## Intellect Web Report System administration

### Set up the roles and users

In Intellect Web Report System one role and one user are registered by default. They are Administrators and rs accordingly. They cannot be removed.

The rs user has rights to control all the components of Intellect Web Report System subsystem. The role of this user can't be changed. There is a possibility to change the password for rs user login to the Intellect Web Report System subsystem. Changing the password is performed on the Profile tab (see the [Change the password](#) section). The other user are able to change the password only on the Programming tab of the Intellect software.

In order to register an operator with individual rights one should create a new user and a new role with these rights.

**Note.**  
New users are created in Intellect Web Report System automatically after their registration in Intellect software package (see the [Peculiarities of the user registration in Intellect software package](#) chapter).

On default, users created in the Intellect software don't have any roles and operations, they don't have the rights to control Intellect Web Report System subsystem. All rights can be assigned them by subsystem administrator, on default it is the rs user.

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

### Set up the roles

Setting up the roles is carried out in the Role > operations tab.

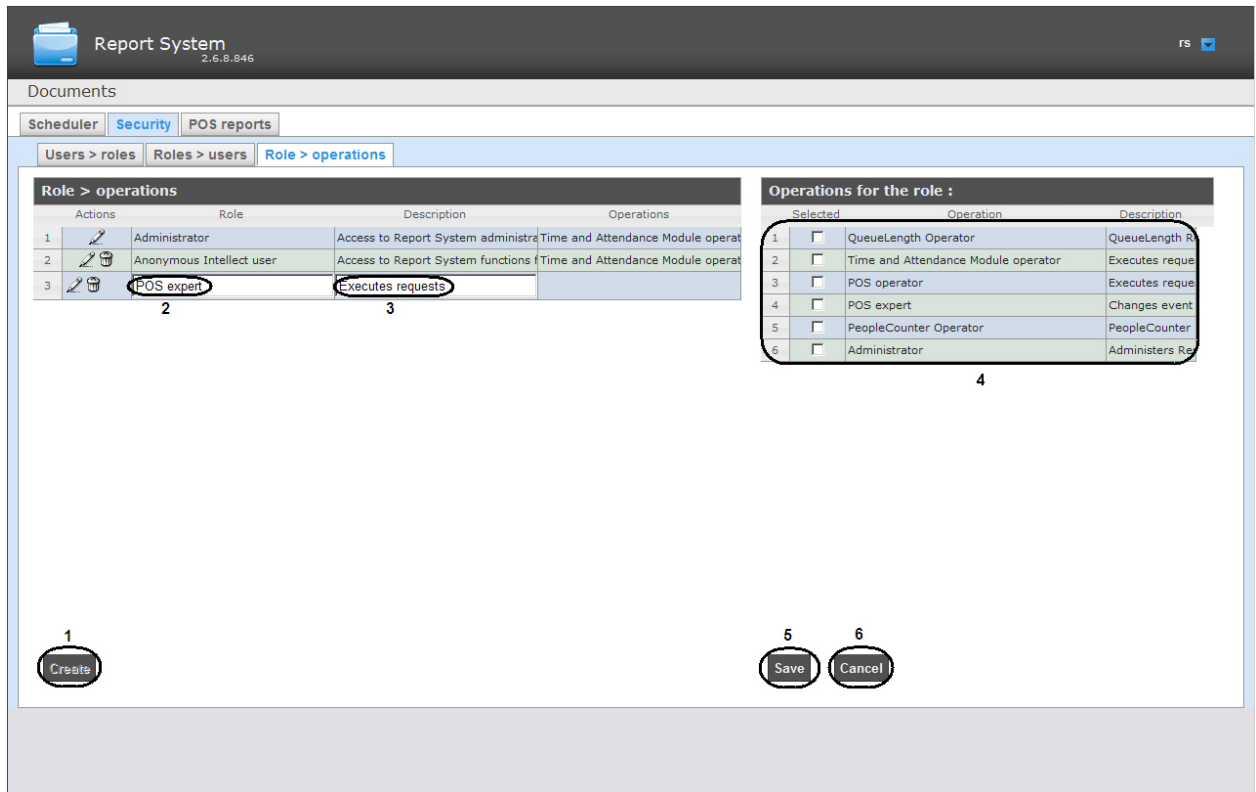
The following actions with roles are available:

1. Role registration with assigning the operations available for this role;
2. Role editing;
3. Role removing.

### Role registration

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

1. Go to the Role > operations tab.



2. Click Create (1).
3. As a result a new line will be added to the Role > operationstable. Fill in its fields:
  - 3.1 In the Role field type the name of a new role (2).
  - 3.2 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.

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.

## Role editing

In order to edit a new role do the following:




1. Go to the Role > operations tab.

Report System 2.6.8.846

Documents

Scheduler Security POS reports


Users > roles Roles > users Role > operations


| Role > operations   |                          |                                     |                                   |
|---|--------------------------|-------------------------------------|-----------------------------------|
| Actions   | Role                     | Description                         | Operations                        |
| 1  | Administrator            | Access to Report System adminis     | Time and Attendance Module operat |
| 2  | Anonymous Intellect user | Access to Report System functions f | Time and Attendance Module operat |
| 3  | POS expert               | Executes requests                   | POS operator                      |

| Operations for the role : Administrator |                                     |                 |
|---|-------------------------------------|-----------------|
| Selected                                | Operation                           | Description     |
| 1 <input checked="" type="checkbox"/>   | QueueLength Operator                | QueueLength Ri  |
| 2 <input checked="" type="checkbox"/>   | Time and Attendance Module operator | Executes requ   |
| 3 <input checked="" type="checkbox"/>   | POS operator                        | Executes requ   |
| 4 <input checked="" type="checkbox"/>   | POS expert                          | Changes event   |
| 5 <input checked="" type="checkbox"/>   | PeopleCounter Operator              | PeopleCounter   |
| 6 <input checked="" type="checkbox"/>   | Administrator                       | Administers Rej |

Creates

4 Save 5 Cancel

- For the required role click  button in the Actions column of the Role > operations table (1).
- As a result one can edit some role parameters. For example:
  - In the Description field (2) one can edit a brief description of operations that will be available for users with this role.
  - 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.


## Role removing

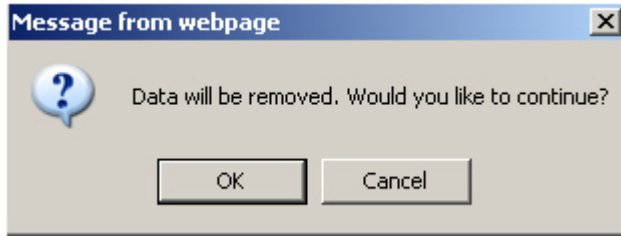
In order to remove the role, do the following:

- Go to the Role > operations tab.

Users > roles Roles > users Role > operations

| Role > operations   |                          |                                     |                                   |
|---|--------------------------|-------------------------------------|-----------------------------------|
| Actions   | Role                     | Description                         | Operations                        |
| 1  | Administrator            | Access to Report System adminis     | Time and Attendance Module operat |
| 2  | Anonymous Intellect user | Access to Report System functions f | Time and Attendance Module operat |
| 3  | POS expert               | Executes requests                   | POS operator                      |

- For the required role click  button in the Actions column of the Role > operations table.
- In the appeared box confirm the role removing by clicking OK.



Role removing is completed.

## Peculiarities of the user registration in Intellect software package

The algorithm of user registration in Intellect software package is given in details in [Intellect software package: Administrator's Guide](#).

Registering the user in Intellect software package one should take into account the following peculiarities:

1. In Intellect Web Report System the username is the user login that is set while its adding to the user rights in Intellect software package.
2. The same rules as for the login in Windows OS are applied to the username (and login).

## Set up the correspondence between the roles and users

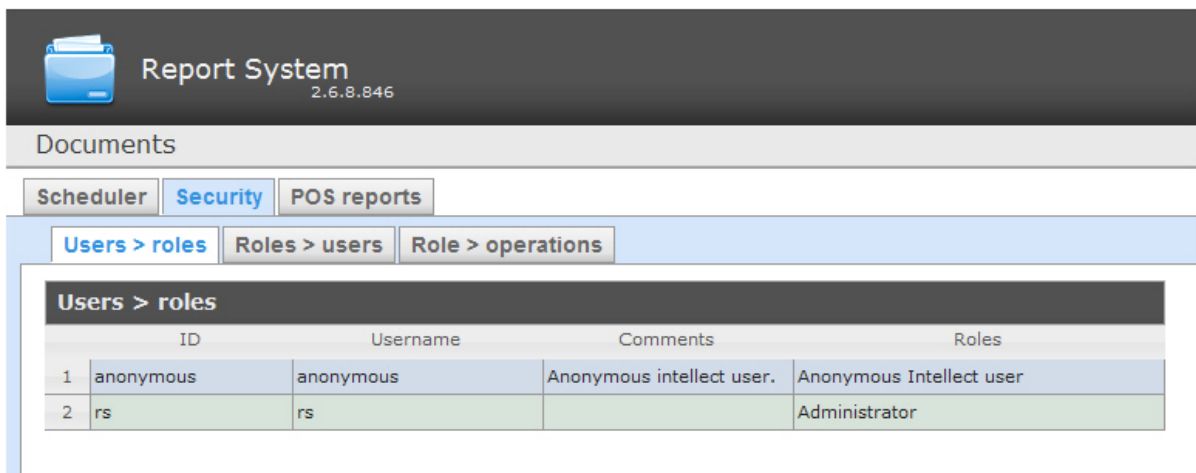
Setting up the correspondence between the roles and users can be carried out in two ways:

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

## Assigning the roles to the user

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

1. Go to the Users > roles tab.



| Users > roles |           |           |                           |
|---------------|-----------|-----------|---------------------------|
| ID            | Username  | Comments  | Roles                     |
| 1             | anonymous | anonymous | Anonymous Intellect user. |
| 2             | rs        | rs        | Administrator             |

2. Left-click the required user.
3. As a result the Roles for the user: <username> table is displayed (1).

Users > roles Roles > users Role > operations

Users > roles

| ID | Username  | Comments                  | Roles                    |
|----|-----------|---------------------------|--------------------------|
| 1  | anonymous | Anonymous intellect user. | Anonymous Intellect user |
| 2  | rs        |                           | Administrator            |

Roles for the user:anonymous

| <input type="checkbox"/>            | Name                     | Description                                |
|-------------------------------------|--------------------------|--|
| <input type="checkbox"/>            | Administrator            | Access to Report System administration     |
| <input checked="" type="checkbox"/> | Anonymous Intellect user | Access to Report System functions for anon |
| <input type="checkbox"/>            | POS expert               | Executes requests                          |

1

Page 1 of 1 25 View 1 - 2 of 2 Save 2

- On can change the list of roles assigned to the user by setting or deselecting the corresponding checkboxes (1).

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

Roles for the user:anonymous

| <input checked="" type="checkbox"/> | Name                     | Description                                |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | Administrator            | Access to Report System administration     |
| <input checked="" type="checkbox"/> | Anonymous Intellect user | Access to Report System functions for anon |
| <input checked="" type="checkbox"/> | POS expert               | Executes requests                          |

- Click Save (2).

Assigning the roles to the user is completed.

## Adding the users to the role

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

- Go to the Roles > users tab.

Users > roles Roles > users Role > operations

Roles > users

| Name                     | Description                                       | ID        |
|--------------------------|---|-----------|
| Administrator            | Access to Report System administration            | rs        |
| Anonymous Intellect user | Access to Report System functions for anonymous o | anonymous |
| POS expert               | Executes requests                                 |           |

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

Users > roles Roles > users Role > operations

| Roles > users            |  |           |
|--------------------------|--|-----------|
| Name                     | Description                                  | ID        |
| Administrator            | Access to Report System administration       | rs        |
| Anonymous Intellect user | Access to Report System functions for anonym | anonymous |
| POS expert               | Executes requests                            |           |

| Users in the role:Administrator |                                     |           |           |                           |
|---------------------------------|-------------------------------------|-----------|-----------|---------------------------|
|                                 | ID                                  | Username  | Comments  |                           |
| 1                               | <input type="checkbox"/>            | anonymous | anonymous | Anonymous intellect user. |
| 2                               | <input checked="" type="checkbox"/> | rs        | rs        |                           |

1

2 Save

Page 1 of 1 25 View 1 - 2 of 2

4. On can change the list of users added to the role by setting or deselecting the corresponding checkboxes (1).

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

| Users in the role:Administrator |                                     |           |           |                           |
|---------------------------------|-------------------------------------|-----------|-----------|---------------------------|
|                                 | <input checked="" type="checkbox"/> | ID        | Username  | Comments                  |
| 1                               | <input checked="" type="checkbox"/> | anonymous | anonymous | Anonymous intellect user. |
| 2                               | <input checked="" type="checkbox"/> | rs        | rs        |                           |

5. Click Save (2).

Adding the users to the role is completed.

## Change the password



### Attention!

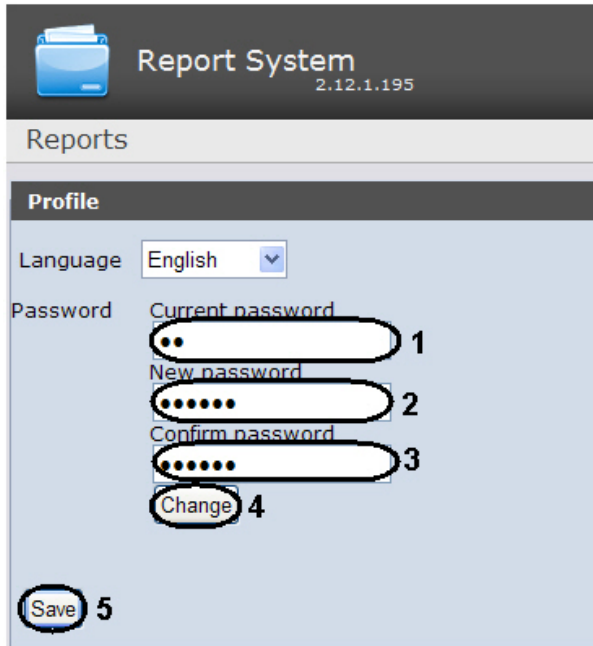
The password can be changed in the Profile page only for the rs user. The password changing for other users is performed only on the Users tab of the Intellect software.

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


1. Go to the user profile page.

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 subsystem (1).



4. In the New password field enter the new password for login to the Intellect Web Report System subsystem (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 login to the Intellect Web Report System subsystem is completed.


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

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

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. In the 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.

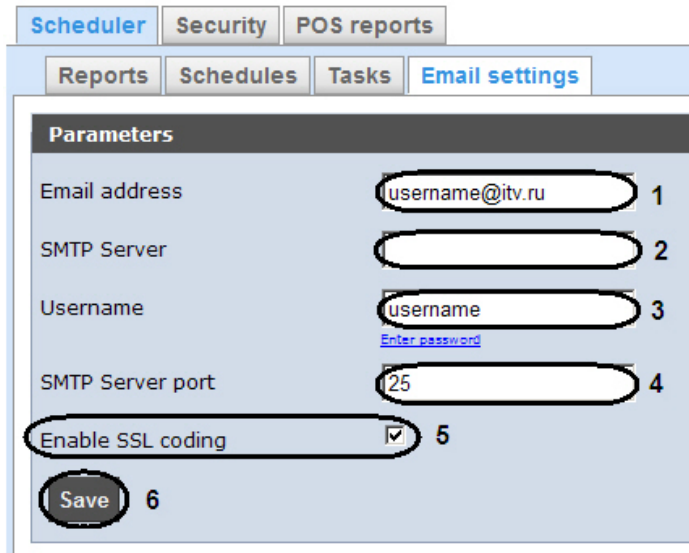
2. In the Reports tab create the list of auto-generated reports.
3. In the Schedules tab setup the schedule of Intellect Web Report System operation in the automatic mode.
4. In the Tasks tab create the tasks for auto-generating the reports. Start their execution.

## SMTP Server setup

In order to set up the SMTP Server do the following:

1. Go to the 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 is completed.

## Auto-generated reports setup

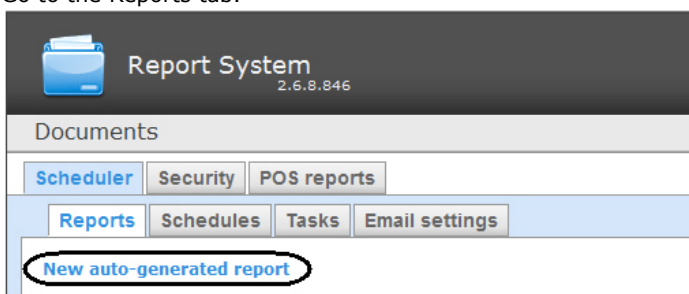
One can assign and setup the reports that will be auto-generated on the schedule.

**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).

## Making the report

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

1. Go to the Reports tab.



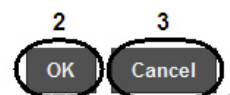
2. Click the New auto-generated report link.
3. As a result the New report form is displayed.

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

**Note.**  
This field does not have to be filled in.

7. Set up the report parameters in the group of the same name (1).

**Note.**  
The parameters are individual for every type of report, the procedure of their setting is clear.



8. In order to save the description and new report parameters click OK (2).

**Note.**  
In order to cancel making the report click Cancel (3).

Making the auto-generated report is completed.





## Editing the report


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 [Making 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.

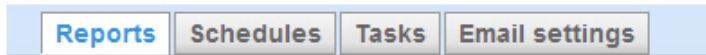
In order to change the language of the auto-generated report select the corresponding language in the profile page of the user (see [User profile page](#) section).

Editing the auto-generated report is completed.

## Deleting the report

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

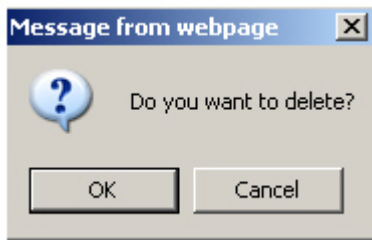
1. Go to the Reports tab.



### 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.

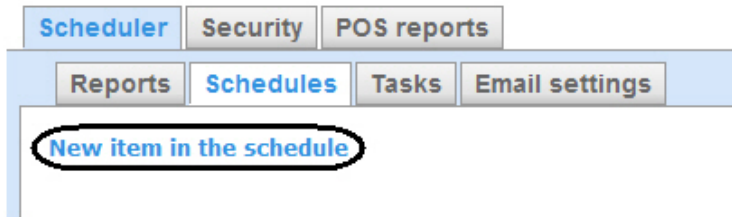
## Setting up the schedule of operation in the automatic mode

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).

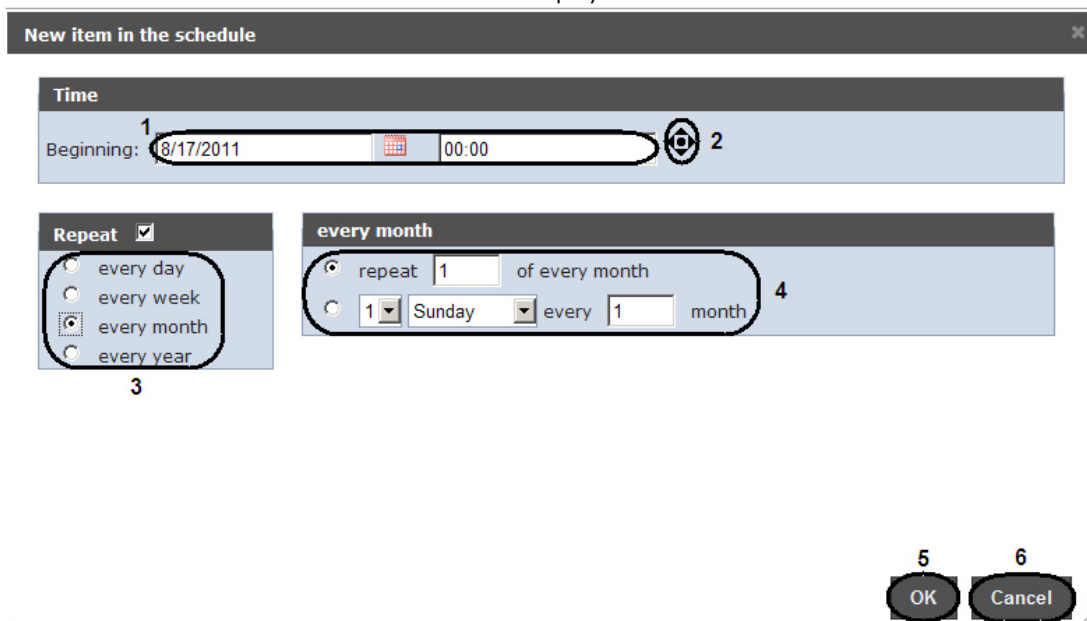
### Creating the schedule item

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).

- 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).
- As a result the tweaking form of strategy for repeating is displayed (4). The procedure of filling it in is clear.
- In order to save the schedule item click OK (5).

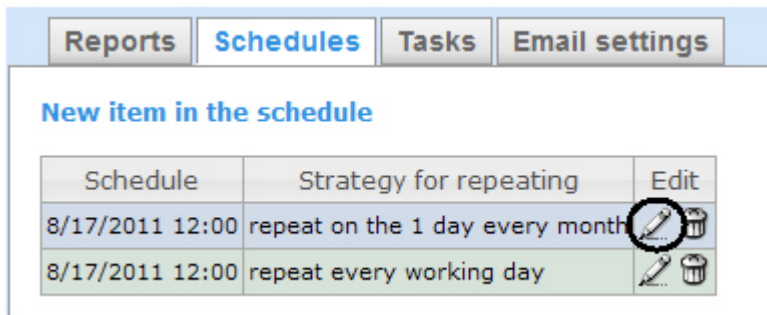
**Note.**  
In order to cancel creating of the schedule item click Cancel (6).





Creating the schedule item is completed.


## Editing the schedule item

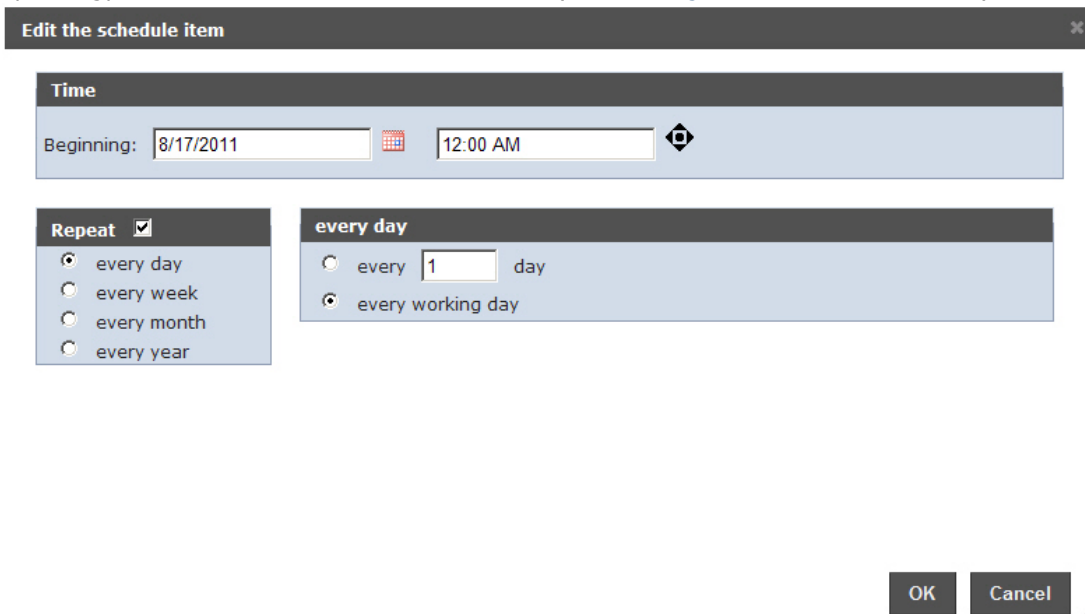
In order to edit the auto-generated report do the following:

- Go to the Schedules tab.





| Reports                         | Schedules                       | Tasks   | Email settings |
|---------------------------------|---------------------------------|---|----------------|
| <b>New item in the schedule</b> |                                 |   |                |
| Schedule                        | Strategy for repeating          | Edit  |                |
| 8/17/2011 12:00                 | repeat on the 1 day every month |     |                |
| 8/17/2011 12:00                 | repeat every working day        |   |                |

- Click  for the required schedule item in the Edit column.
- 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).



**Edit the schedule item**

**Time**

Beginning:    

**Repeat**

every day  
 every week  
 every month  
 every year

**every day**

every  day  
 every working day

OK Cancel

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

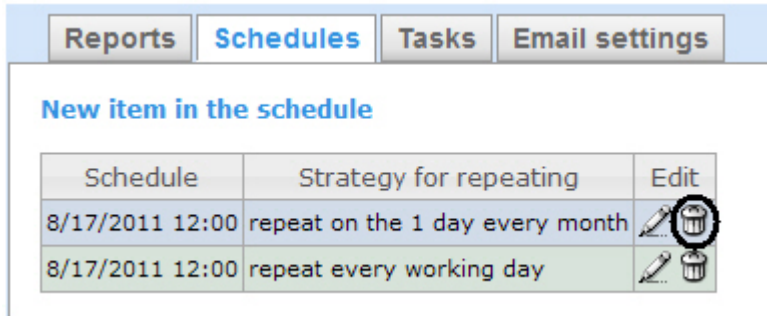
**Note.**  
In order to cancel the changes in the schedule item click Cancel.


Editing the schedule item is completed.

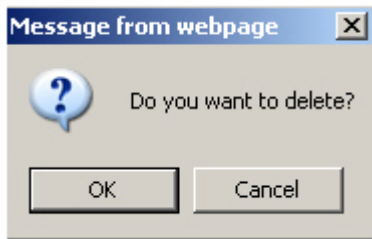
## Deleting the schedule item

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.

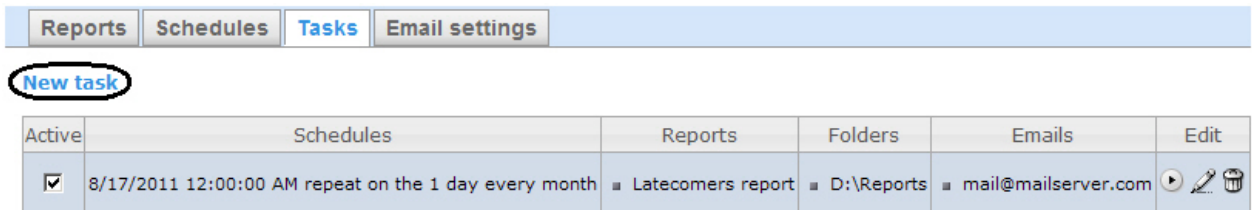
## Setting up the automatically executed tasks

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.

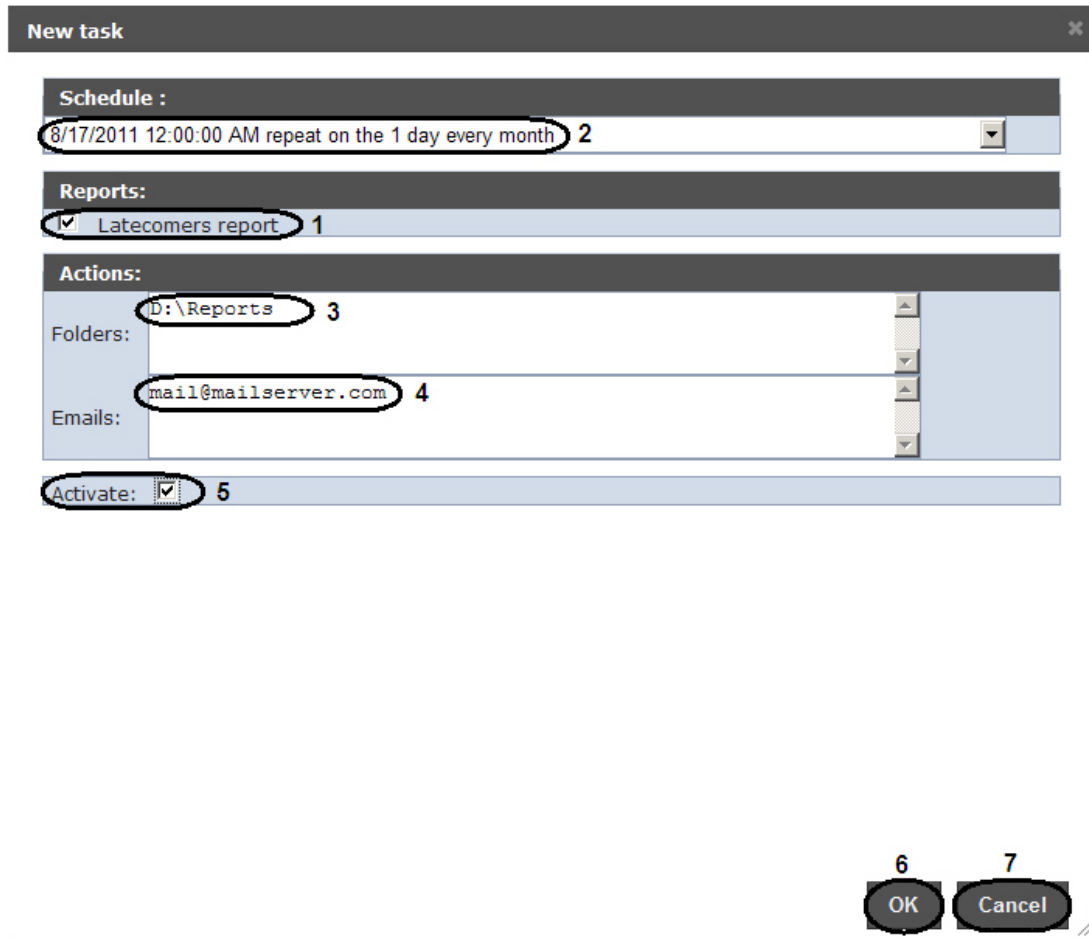
### Creating the task

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:
  - 6.1 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.
  - 6.2 In the Emails field (4) enter the email addresses to which the generated reports should be sent. Use Enter key as a separator, i.e. there is a certain line for every address.

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

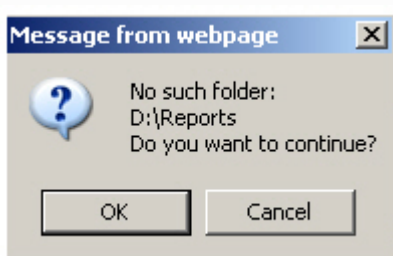
7. In order to run the task execution right after its creation set the Activate checkbox (5).

**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 6.1 step then the following message is displayed when the task parameters are saved. In order to auto create folders click OK.

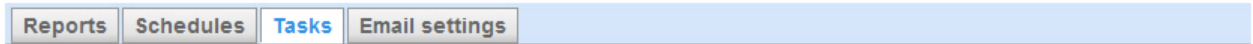


Creating the automatically executed task is completed.







## Checking the task execution


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  |    |

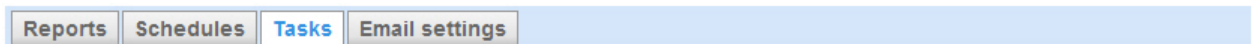
2. For the required task click  in the Edit column.
3. Reports specified in the task will be generated and saved in the folders and/or sent to the e-mail addresses. If it is not happening one should check whether the actions with reports are set up correctly (see [Creating the task section](#)).

Checking the task execution is completed.







## Running and stopping the task execution

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  |    |

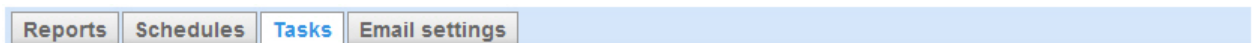
2. In the Active column set the checkboxes checked for the tasks that should be run and unchecked for the tasks that should be stopped.

Running or/and stopping the task execution are completed.







## 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.
3. 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

4. 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.

## Deleting the task

In order to delete the task do the following:

1. 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  | ▶    |

2. For the required task click in the Edit column.
3. In the appeared box confirm the task deleting by clicking OK.

Message from webpage✕

Do you want to delete?

OK

Cancel

Deleting the task is completed.

## Setting up the POS reports

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

POS reports setup consists of:

1. Creating the list of POS operators.
2. Setting up the statuses of POS events.
3. Setting up the groups of statuses of POS events.

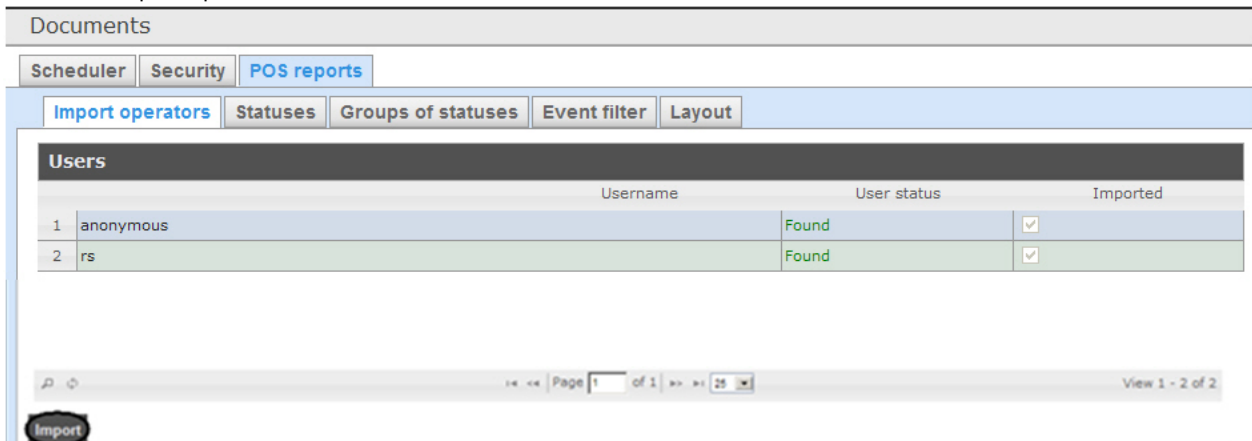
### Creating the list of POS operators

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:

1. Go to the Import operators tab.



|   | Username  | User status | Imported                            |
|---|-----------|-------------|-------------------------------------|
| 1 | anonymous | Found       | <input checked="" type="checkbox"/> |
| 2 | rs        | Found       | <input checked="" type="checkbox"/> |

2. 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.
3. In order to import remaining users click Import.

Users import into the list of POS operators is completed.

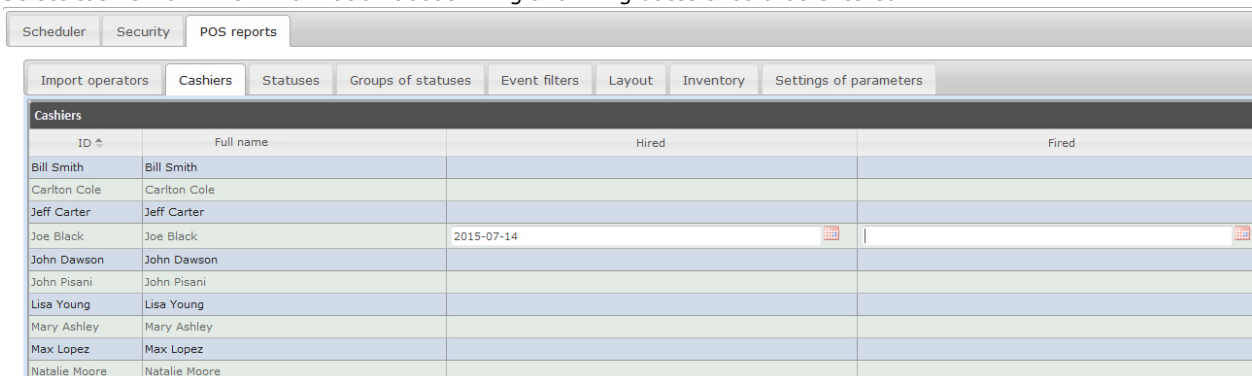
### Setting up the cashiers list in the POS reports

The list of all cashieers 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).

### Setting up the statuses of POS events

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.

## Creating the user status

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    |
| 7 |         | <input type="checkbox"/>            | New status                       |             | #FFFFFF      | #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"/>            | 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.

## Editing the status

In order to edit a status do the following:

1. Go to the Statuses tab.

| Statuses |                                     |                                  |             |            |            |
|----------|-------------------------------------|----------------------------------|-------------|------------|------------|
| Actions  | In use                              | Name                             | Description | Background | Text color |
|          | <input checked="" type="checkbox"/> | Event not processed (by default) |             | #858585    | #000000    |
|          | <input checked="" type="checkbox"/> | Non-violation                    |             | #2D9518    | #000000    |
|          | <input checked="" type="checkbox"/> | Possibly violation               |             | #DAE042    | #000000    |
|          | <input checked="" type="checkbox"/> | Minor violation detected         |             | #E9962B    | #000000    |
|          | <input checked="" type="checkbox"/> | Moderate violation detected      |             | #F34320    | #000000    |
|          | <input checked="" type="checkbox"/> | Serious violation detected       |             | #6B1E08    | #000000    |
|          | <input type="checkbox"/>            | New status                       |             | #c21fc2    | #000000    |

- Click for a required status in the Actions column.
- 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).
- In order to save the status changes click in the Actions column.

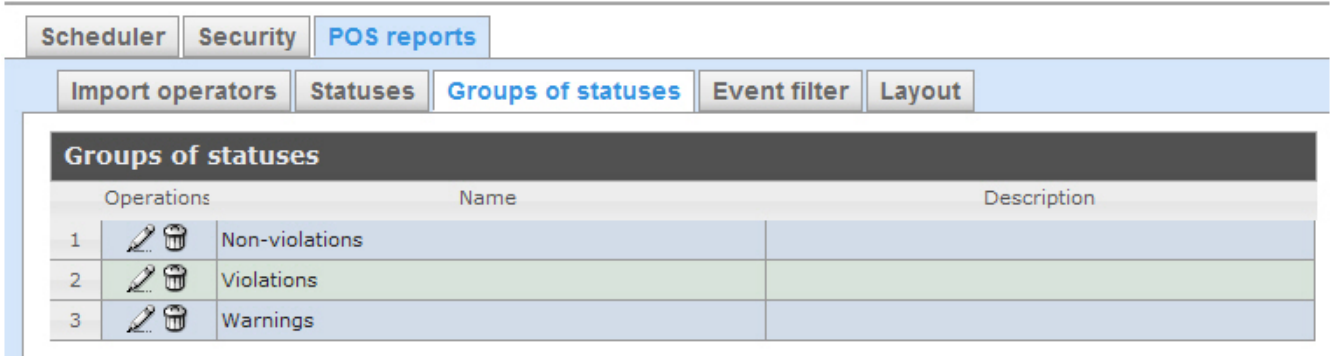
**Note.**  
In order to cancel the changes in the status click in the same column.

Status editing is completed.

## Setting up the groups of statuses of POS events

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.

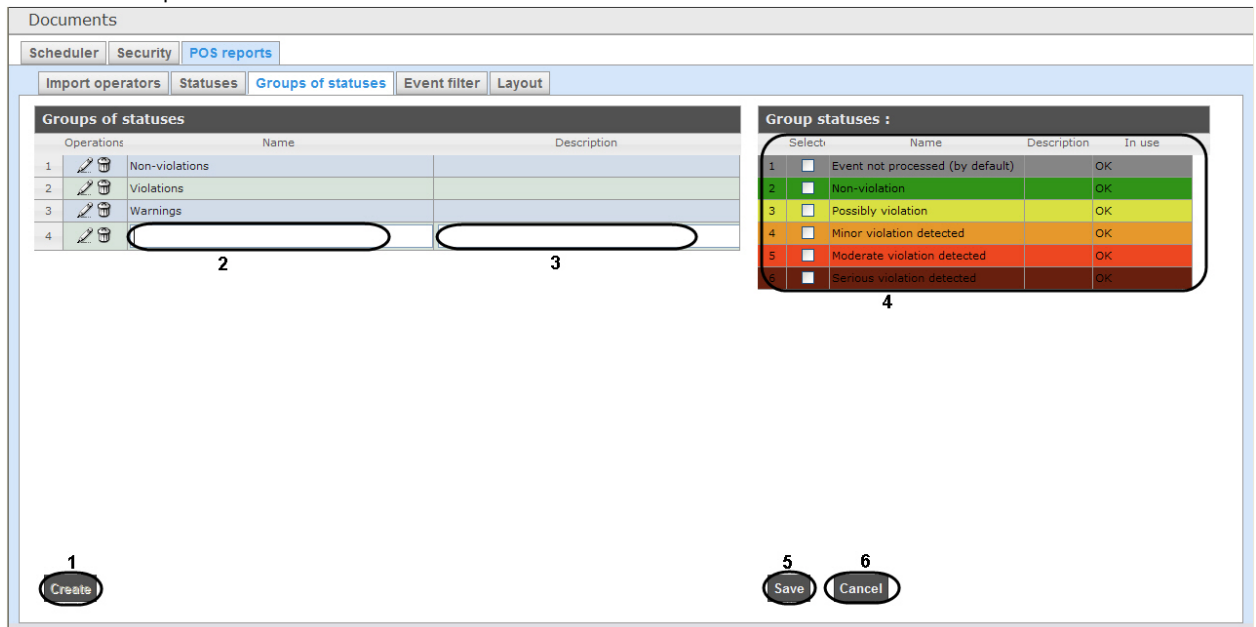
|                   |                             |
|-------------------|-----------------------------|
| Group of statuses | Statuses                    |
| Non-violations    | Non-violation               |
| Violations        | Minor violation detected    |
|                   | Moderate violation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

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

## Creating a group of statuses

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.

**i** 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).

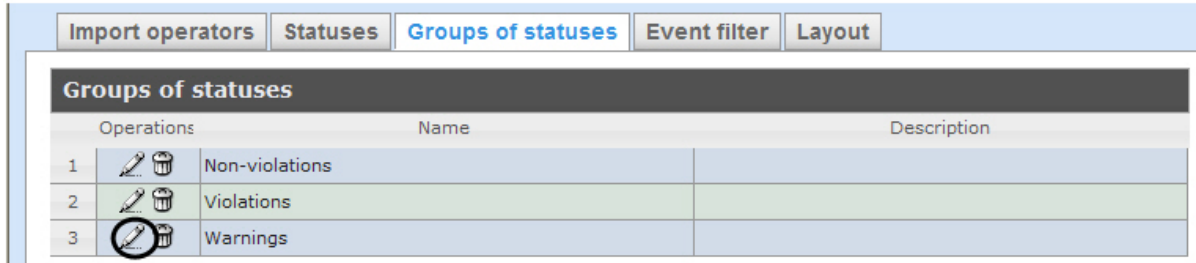
**i** Note.  
In order to cancel the creating a new group of statuses click Cancel (6).







Creating a new group of statuses is completed.


## Editing a group of statuses

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

1. Go to the Groups of statuses tab.



| Groups of statuses  |                |             |
|---|----------------|-------------|
| Operations  | Name           | Description |
| 1   | Non-violations |             |
| 2   | Violations     |             |
| 3   | Warnings       |             |

2. For the required group of statuses click  in the Operations column.

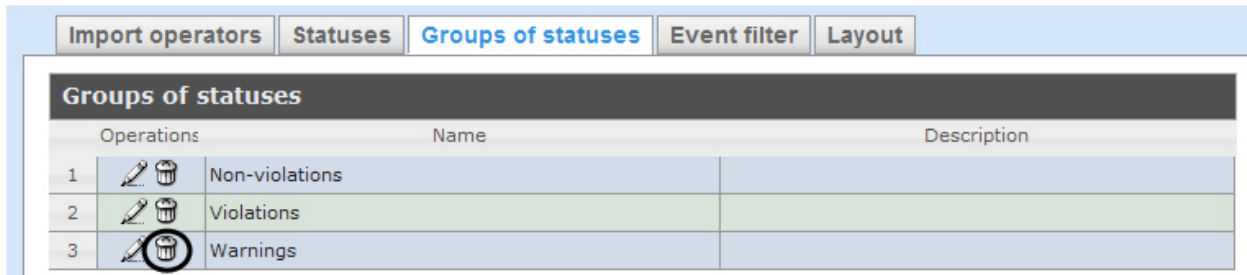
3. As a result it will be possible to edit all parameters of a group of statuses. One can edit the group of statuses by analogy with its creation (see [Creating a group of statuses](#) section).







Editing a group of statuses is completed.


## Deleting a group of statuses

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

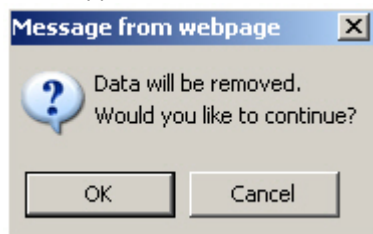
1. Go to the Groups of statuses tab.



| Groups of statuses  |                |             |
|---|----------------|-------------|
| Operations  | Name           | Description |
| 1   | Non-violations |             |
| 2   | Violations     |             |
| 3   | Warnings       |             |

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.

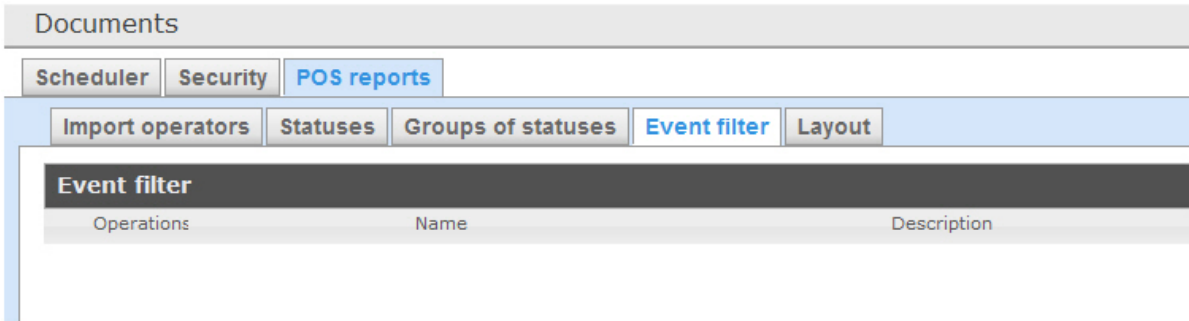


Deleting a group of statuses is completed.

## Setting up the filter of events

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.



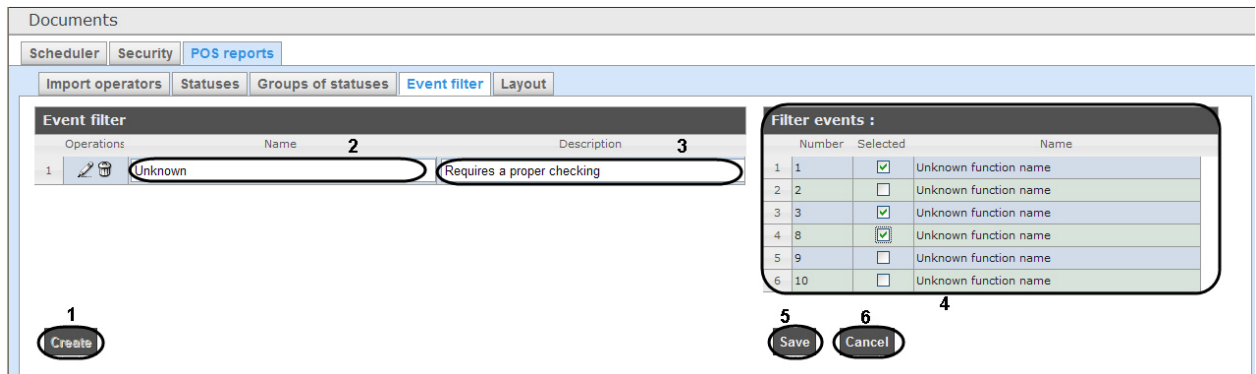
By default none filters are created in Intellect Web Report System.

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

## Creating a filter of events

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).

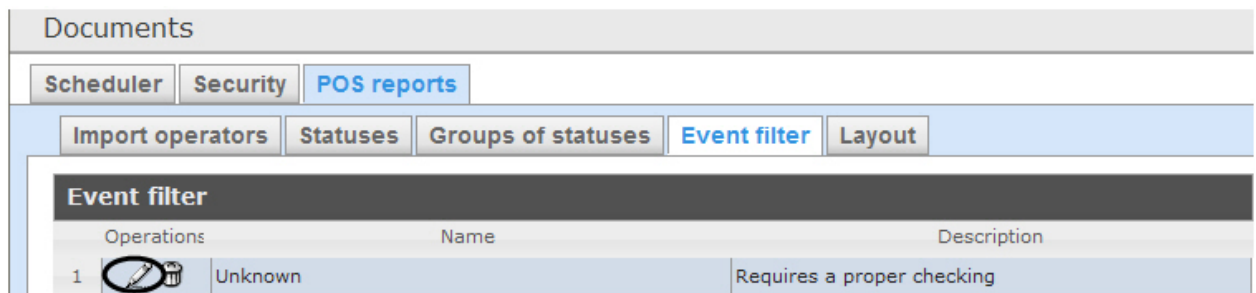
**Note.**  
In order to cancel the creating a new filter of events click Cancel (6).


Creating a new filter of events is completed.

## Editing a filter of events

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

1. Go to the Event filter tab.



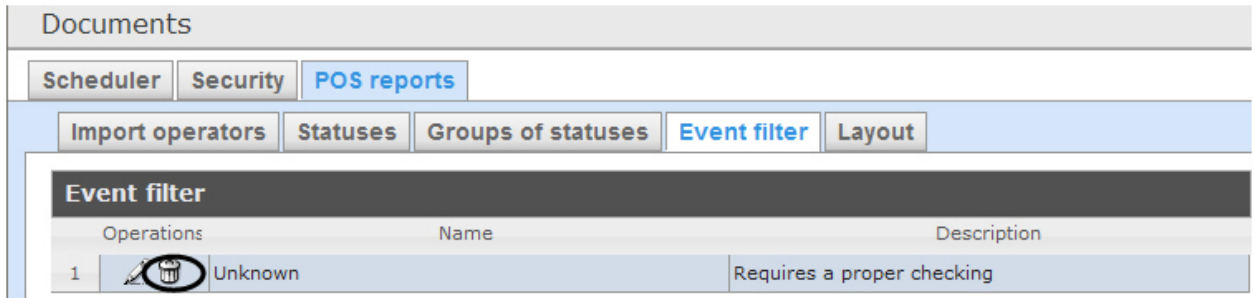
2. For the required filter of events click  in the Operations column.
3. As a result it will be possible to edit all parameters of a filter of events. One can edit the filter of events by analogy with its creation (see [Creating a filter of events](#) section).

Editing a filter of events is completed.

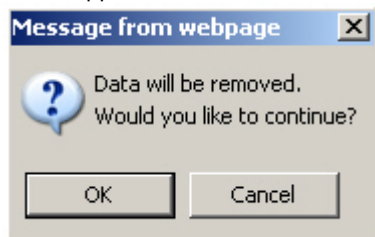
## Deleting a filter of events

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.

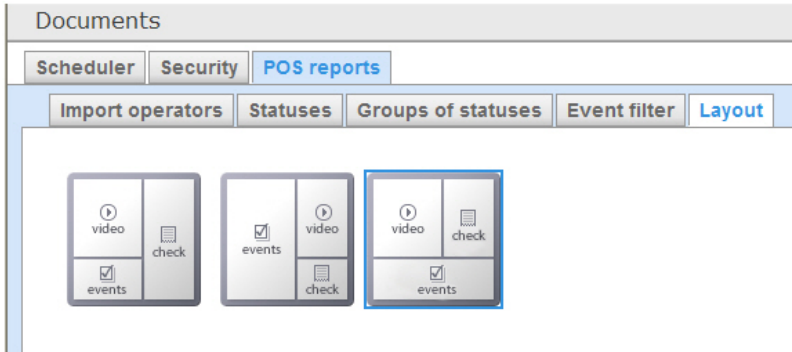


Deleting a filter of events is completed.

## Selecting layouts in POS reports

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.

## Selecting items for report creating

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



Reports

Scheduler Security **POS reports**

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

**Selected goods will be used while searching by potential violations**

|    | Code  | Name                  | Price | Selected                            |
|----|-------|-----------------------|-------|-------------------------------------|
| 1  | 1206  | Package (small) 1item | 2     | <input checked="" type="checkbox"/> |
| 2  | 1347  | Banannas - 1kg        | 42.9  | <input checked="" type="checkbox"/> |
| 3  | 1869  | Cheese 50% 1kg        | 248.9 | <input checked="" type="checkbox"/> |
| 4  | 23807 | Dried apricots        | 25.1  | <input checked="" type="checkbox"/> |
| 5  | 31157 | Instant noodles       | 9.3   | <input type="checkbox"/>            |
| 6  | 28173 | Meat 1kg              | 139.9 | <input checked="" type="checkbox"/> |
| 7  | 28579 | Pastry                | 45.6  | <input checked="" type="checkbox"/> |
| 8  | 28791 | Pastry 1kg            | 75.7  | <input type="checkbox"/>            |
| 9  | 29505 | Ice cream             | 36.3  | <input checked="" type="checkbox"/> |
| 10 | 3074  | Codfish 500g          | 128.7 | <input type="checkbox"/>            |

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

## Setting up parameters of report by potential violations

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

Reports

Scheduler Security **POS reports**

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

[Report by potential violations](#)

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

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



**Note.**

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

## Setting up the Visitors behavior reports

It is possible to create Visitors behavior reports in the Intellect Web Report System the following ways:

1. Locally – working of heat map detections and creating the visitors behavior reports are performed on the same computer.
2. Centrally – data from remote heat map detections received on the general server on which the visitor behavior reports are created.

Detailed information about ways of creating the visitor behavior reports is presented in the [Installing required program modules to create Visitors behavior analysis reports](#) of the [Analytics Pack subsystem](#). [User Guide](#) document.

## Working with Intellect Web Report System

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 Intellect Web Report System](#) section.

### Working with POS reports

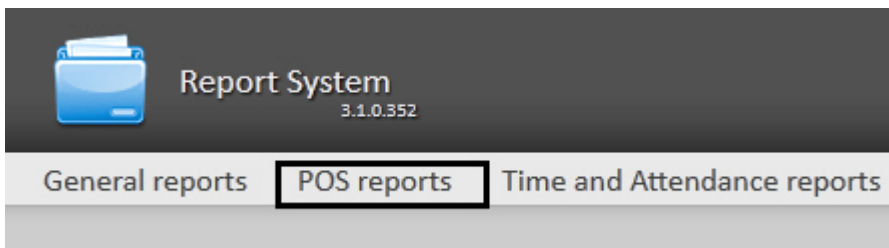
POS reports are created by the local database of the Intellect software package, but it is also possible to use data from remote servers. Configuration of database replication is needed (see [POS-Intellect Software Package. Administrator's guide](#) document, [Configuring the POS-replicator system object](#)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

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

### General reports

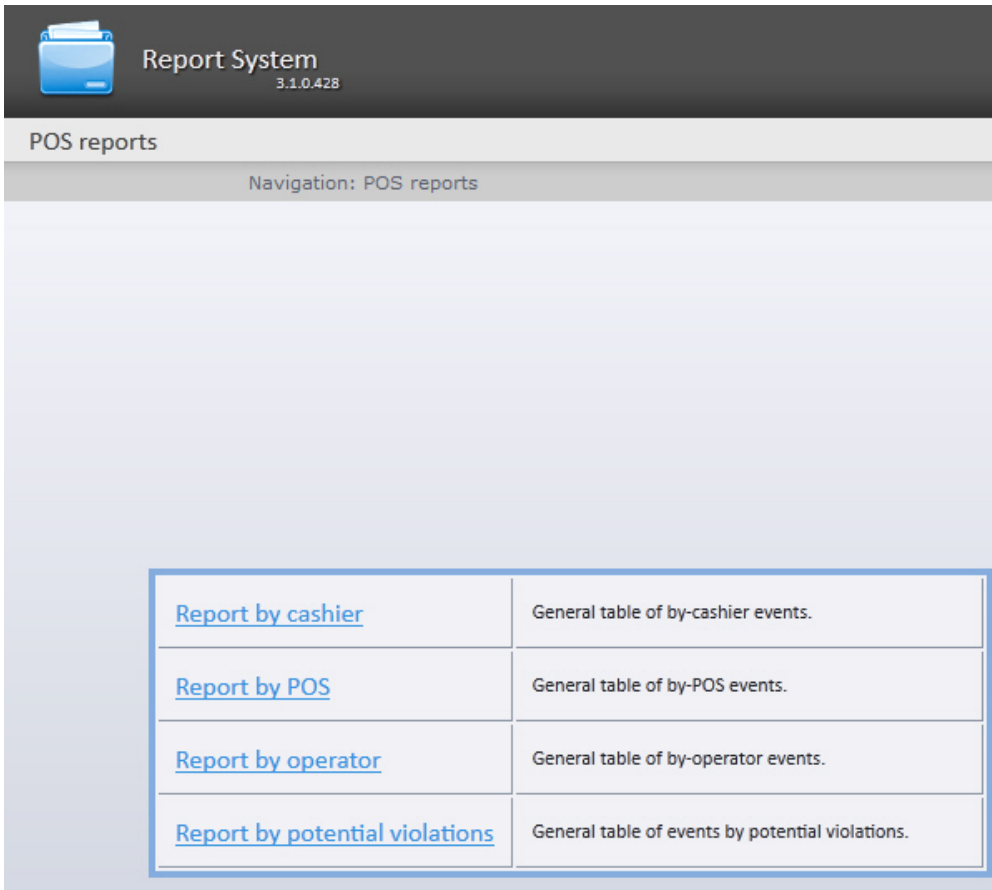
#### Selecting a type of general POS report

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. Report by cashier is a general table of by cashier-events;
2. Report by POS is a general table of by POS-events;
3. Report by operator is a general table of by operator-events;
4. Report by potential violations is a general table by potential violations.

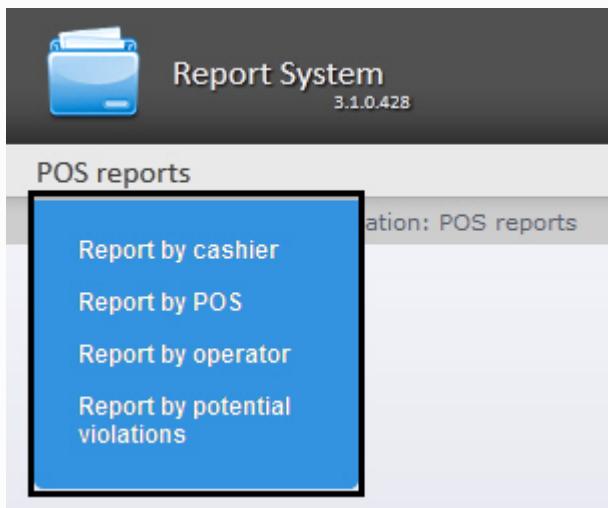


In order to switch to the required report click the corresponding link.



**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 by cashier

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).

### Report by cashier

| Parameter               | Value   |
|-------------------------|---|
| Choose:                 | All, None <b>2</b>  |
| Cashiers:               | <input checked="" type="checkbox"/> Bill Smith <b>1</b>           |
| Events:                 | [all] <b>3</b>  |
| Period:                 | User defined 2 <b>4</b> from 10/30/2015 14:24 to 10/30/2015 14:24 |
| Status group:           | [all] <b>5</b>  |
| <b>Execute</b> <b>6</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. 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 reports 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.

Status group:  Events:

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

**Save**

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

## Report by POS terminal



### 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).

## Report by POS



| Parameter               | Value   |
|-------------------------|---|
| POS:                    | Choose: <span>All, None</span> <b>2</b><br><div style="border: 1px solid black; padding: 5px; margin: 5px 0;">             + <input checked="" type="checkbox"/> Shop 1 <b>1</b><br/>             + <input checked="" type="checkbox"/> Shop 2           </div> |
| Events:                 | <span>[all]</span> <b>3</b> <b>4</b>  |
| Period:                 | <span>User defined 2</span> from <span>10/30/2015</span> <span>14:31</span> <b>4</b> to <span>10/30/2015</span> <span>14:31</span> <b>4</b>   |
| Status group:           | <span>[all]</span> <b>5</b>   |
| <b>Execute</b> <b>6</b> |   |

- 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.

- 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.
- 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 (4).
  - 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.
  - 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.
- 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.
- 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.

Status group: [all]   Events: [all]

| Number | Name                              | Total       | POS terminal 1 |
|--------|-----------------------------------|-------------|----------------|
| 1      | User deregistration               | <u>130</u>  | <u>130</u>     |
| 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.

## Report by POS operator

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).

### Report by operator

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

**Execute** **6**

- 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).

- 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.
- 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 (4).
  - 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.
  - 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.
- 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.
- 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.

Status group: [all] Events: [all]

| Number | Name                | Total | rs |
|--------|---------------------|-------|----|
| 1      | User deregistration | 4     | 4  |

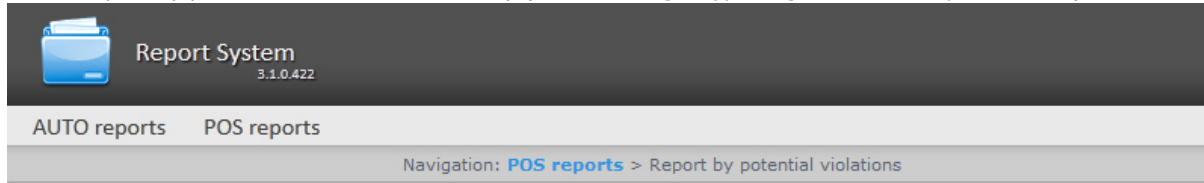


In order to save a general report by POS operators in.xls format click Save.

## Report by potential violations

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> 2<br><input checked="" type="checkbox"/> Bill Smith<br><input checked="" type="checkbox"/> Carlton Cole<br><input checked="" type="checkbox"/> Jeff Carter<br><input checked="" type="checkbox"/> Joe Black<br><input checked="" type="checkbox"/> John Dawson 1<br><input checked="" type="checkbox"/> John Pisani<br><input checked="" type="checkbox"/> Lisa Young<br><input checked="" type="checkbox"/> Mary Ashley<br><input checked="" type="checkbox"/> Max Lopez<br><input checked="" type="checkbox"/> Natalie Moore<br><span style="float: right;">3</span> |
| Violation:                       | [all] 3   |
| Description:                     |   |
| Procedure:                       |   |
| Display data by processing time: | <input type="checkbox"/> 4  |
| Period:                          | Selected day 05/15/2007 5   |
| Status group:                    | [all] 6   |
| <b>Execute</b> 7                 |   |

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

**Save**

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

## Detailed reports

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).

## Viewing a detailed report

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

1. Display a corresponding general report.

Status group:  Events:

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

**Save**

- 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                | <a href="#">26</a>  | <a href="#">26</a>  |
| 2      | Start                              | <a href="#">213</a> | <a href="#">213</a> |
| 3      | End                                | <a href="#">238</a> | <a href="#">238</a> |
| 4      | Addition of good to document       | <a href="#">712</a> | <a href="#">712</a> |
| 5      | Change prise of good in document   | <a href="#">78</a>  | <a href="#">78</a>  |
| 6      | Discounting (extra price) for good | <a href="#">288</a> | <a href="#">288</a> |
| 7      | Payment                            | <a href="#">212</a> | <a href="#">212</a> |
| 8      | Total                              | <a href="#">238</a> | <a href="#">238</a> |
| 9      | Payment                            | <a href="#">238</a> | <a href="#">238</a> |
| 10     | Document printing                  | <a href="#">238</a> | <a href="#">238</a> |

- 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 Doktorskaya   | 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  | Bananas - 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 1   | 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.

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

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

2

Cashier: Bill Smith / Receipt number: 2645

| Data                           | Date/time              |
|--------------------------------|------------------------|
| Receipt: 2645                  | 2015/07/20 11:12:24 AM |
| Date: 26.05.10                 |                        |
| Time: 10:42:31                 |                        |
| Cashier: Bill Smith            |                        |
| ID: 7850                       |                        |
| Bananas - 1kg 1347             | 2015/07/20 11:12:24 AM |
| 42.9 rub. * 0.704 = 30.2 rub.  |                        |
| 4608325169455                  |                        |
| Kefir 50865                    | 2015/07/20 11:12:25 AM |
| 29.2 rub. * 1 = 29.2 rub.      |                        |
| 4606419002121                  |                        |
| Butter 82,5% 450g Russia 52304 | 2015/07/20 11:12:26 AM |
| 108.1 rub. * 1 = 108.1 rub.    |                        |
| 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           | 379.53        | 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        | 2643           | 40.00         | 40.00   | 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.](#)

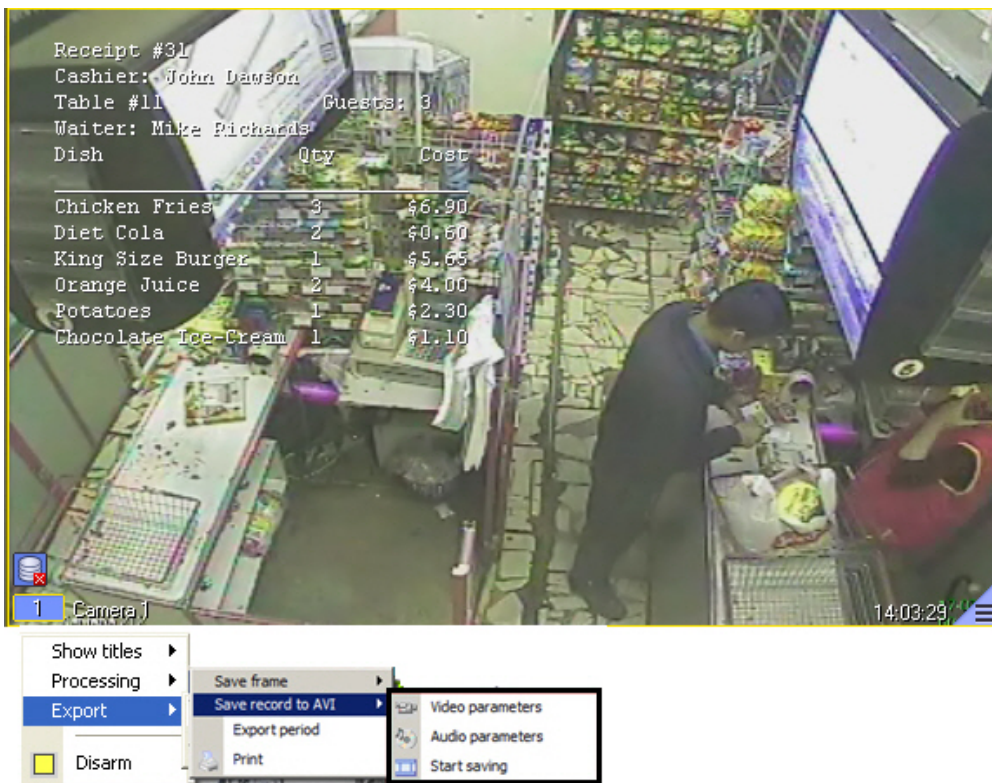
**Note.**  
Video can not be displayed (it depends on whether the requirements for Web server and/or Client realization are performed – see the [Requirements for Intellect Web Report System realization](#) section).

**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).

## Exporting the video

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.



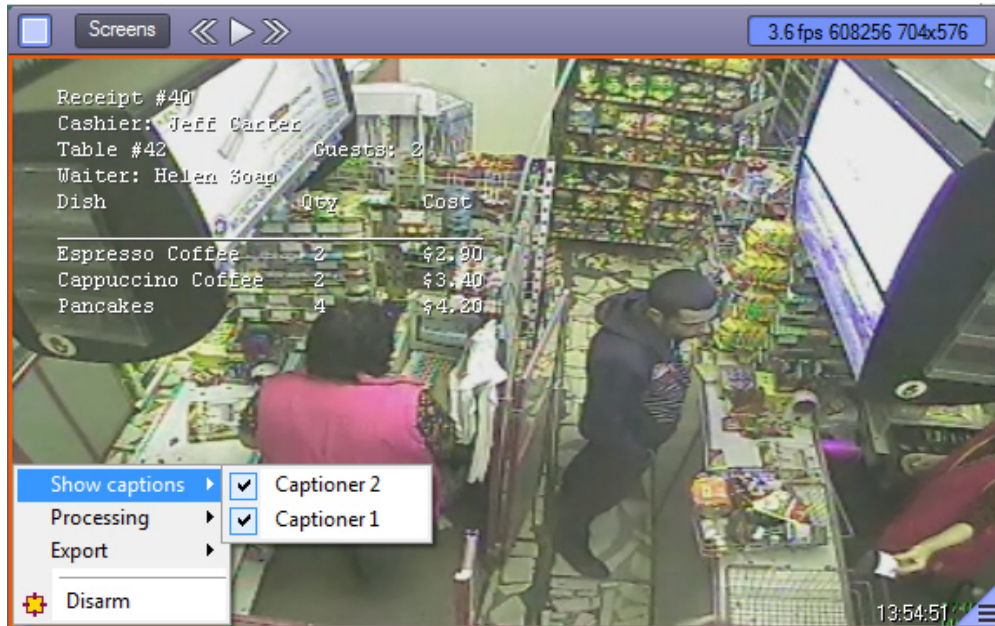
Parameters of the video and audio, which will be saved, may be configured in the displayed window. As soon as recording saving parameters are selected, the video segment may be exported to the file by selecting the Start Saving command (exporting the video is given in details in the [Export of Silent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

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

## Disabling captions in the video surveying window

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.

## Changing the event status



### 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: 26.07.10 Time: 10:42:15 Cashier: Bill Smith  
 4601075990001 Bread 36802 13.4 rub. \* 1 = 13.4 rub.  
 4607023230907 Cheese 508 9005 46552 94.8 rub. \* 1 = 94.8 rub.  
 Meat 1kg 28172 189.9 rub. \* 1 = 189.9 rub.  
 90005169 Dishwashing detergent 500ml Russia 48884 26.8 rub. \* 1 = 26.8 rub.  
 Change price of good: Dishwashing detergent 500ml Russia 48884 26.8 rub. \* 1 = 26.8 rub.  
 460121000094 Mineral water 1.5l Russia 44734 24.9 rub. \* 1 = 24.9 rub.  
 460270100123 Bread 36802 13.4 rub. \* 1 = 13.4 rub.  
 Change price of good: Bread 36802 13.4 rub. \* 1 = 13.4 rub.

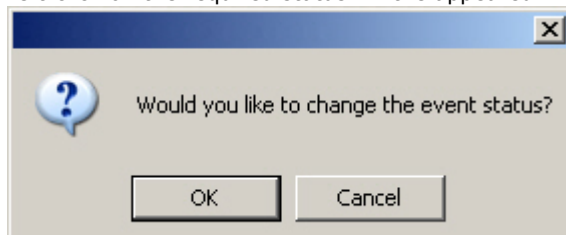
Cashier: Bill Smith / Receipt number: 2645

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

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   | Possibly violation               |
| 5 Shop 1 | POS terminal 1 | 7/20/2015 11:12:42 AM | Bill Smith | 7850        | 2648           | 229.22        | 500.00 | 270.78 | Minor violation detected         |
| 6 Shop 1 | POS terminal 1 | 7/20/2015 11:12:53 AM | Bill Smith | 7850        | 2649           | 378.40        | 300.00 | 80.60  | Moderate 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.



## Viewing the history of event status changing

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 | Janson K.   | 1511        | 85.6          | 100  | 14.4 | Event not proce     | Serious violation det | rs   | 11/5/2011 10:25:05 AM |
| 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 10:20:02 AM |
| 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 10:20:02 AM |
| 5 Shop №1  | POS- terminal | 11/15/2011 1:19:46 | Walsh L.    | 1098        | 85.6          | 100  | 14.4 | Event not processed |                       | —    | —                     |

2. 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).
3. 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 |                 |                        |
|----------------------------------|-----------------|------------------------|
| 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 |


## Search in detailed reports

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

1. Display a detailed report.

Report System 3.10.428 rs

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  
 4601075690001 Milk 2.05 \* 21.4989 62.7 rub. \* 1 = 62.7 rub.  
 4607023231907 Cheese 605-300g 48632 94.6 rub. \* 1 = 94.6 rub.  
 Meat 1kg 29175-10949 200.0 rub. \* 1 = 200.0 rub.  
 90005169 Dishwashing detergent 500ml Rubsit 48891 22.9 rub. \* 1 = 22.9 rub.  
 Change price of good Dishwashing detergent 500ml Rubsit 48891 11.46 rub.  
 4601212000094 Mineral water 1.5l Rubsit 44721 24.3 rub. \* 1 = 24.3 rub.  
 4602701001203 Bread 36802 13.4 rub. \* 1 = 13.4 rub.  
 Change price of good Bread 36802 13.4 rub. \* 1 = 13.4 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                          |                        |
| Bananas - 1kg 1347                | 2015/07/20 11:12:24 AM |
| 42.9 rub. * 0.704 = 30.2 rub.     |                        |
| 4608325169455                     |                        |
| Kefir 50865                       | 2015/07/20 11:12:25 AM |
| 29.2 rub. * 1 = 29.2 rub.         |                        |
| 4605419002121                     |                        |
| Butter 82.5% 450g Russia 52304    | 2015/07/20 11:12:26 AM |
| 108.1 rub. * 1 = 108.1 rub.       |                        |
| 4600631000538                     |                        |
| Bread 36802                       | 2015/07/20 11:12:26 AM |
| 13.4 rub. * 1 = 13.4 rub.         |                        |
| Discounting (extra price) of good |                        |

| 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 |

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

Report System 3.10.438

POS reports

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

Print

Cashier: Bill Smith / Receipt number: 2645

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

Search...

Receipt number

Reset Find

| Name | Cashier No. | Receipt number | Receipt total | Cash  | Change | Status              |
|------|-------------|----------------|---------------|-------|--------|---------------------|
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 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.

Report System 3.10.438

POS reports

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

Print

Cashier: Bill Smith / Receipt number: 2645

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

Search...

Receipt number

Reset Find

| Name | Cashier No. | Receipt number | Receipt total | Cash  | Change | Status              |
|------|-------------|----------------|---------------|-------|--------|---------------------|
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |
| 7850 | 7850        | 2644           | 63.30         | 63.30 | 0.00   | Event not processed |

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

## Select columns in detailed reports

To perform the select columns in detailed reports, do the following:

- 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<br>Date: 26.05.10<br>Time: 10:47:34<br>Cashier: Bill Smith<br>ID: 7850 | 2015/07/20 11:12:54 AM |
| 4602701001124<br>Bread 36439<br>18.9 rub. * 1 = 18.9 rub.                            | 2015/07/20 11:12:54 AM |
| 4603948001205<br>Ice cream 29505<br>36.3 rub. * 1 = 36.3 rub.                        | 2015/07/20 11:12:55 AM |
| Cheese 50% 1kg 1869<br>248.9 rub. * 0.322 = 80.15 rub.                               | 2015/07/20 11:12:56 AM |
| Pastry 1kg 28791<br>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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View 1 - 25 of 763

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

Select columns

18 items selected 2 Remove all Add all 4

| Column Name    | Remove | Add |
|----------------|--------|-----|
| POS            | -      | +   |
| Date/time      | -      | +   |
| Full Name      | -      | +   |
| Cashier No.    | -      | +   |
| Receipt number | -      | +   |
| Code           | -      | +   |
| Name           | -      | +   |
| Price          | -      | +   |
| Quantity       | -      | +   |
| Total          | -      | +   |
| Receipt total  | -      | +   |
| N              | -      | +   |
| EventID        | -      | +   |
| Funct_id       | -      | +   |
| FunctionNumber | -      | +   |
| StoreGUID      | -      | +   |
| PosGUID        | -      | +   |
| Fraction       | -      | +   |
| _id            | -      | +   |
| Receipt number | -      | +   |

6 Cancel Ok 5

- To remove column click the sign close to the name of corresponding column in the area (1). To remove all columns click the Remove all link (2).
- To add column click the sign close to the name of corresponding column in the area (3). To add all columns click the Add all link (4).
- To change the order of columns drag the column name to the required position in the area (1).
- To save changes click Ok (5).
- To cancel changes click Cancel (6).

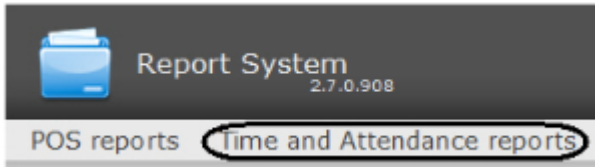
## Working with Time and Attendance reports

Working with Time and Attendance reports consists of three stages:

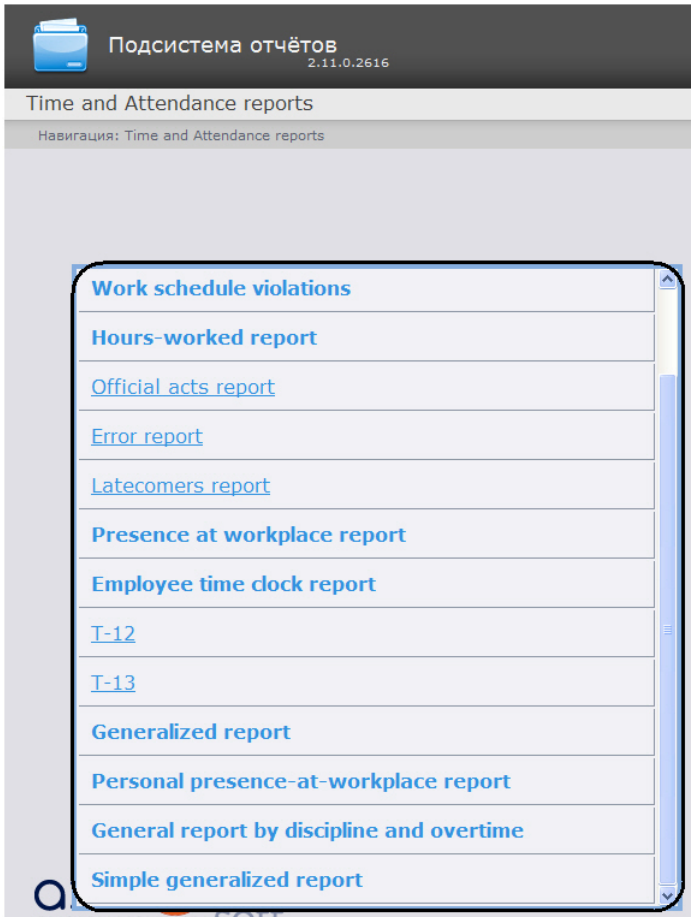
- Selecting a type of report.
- Creating a report.
- Viewing a report.

### Selecting a type of Time and Attendance report

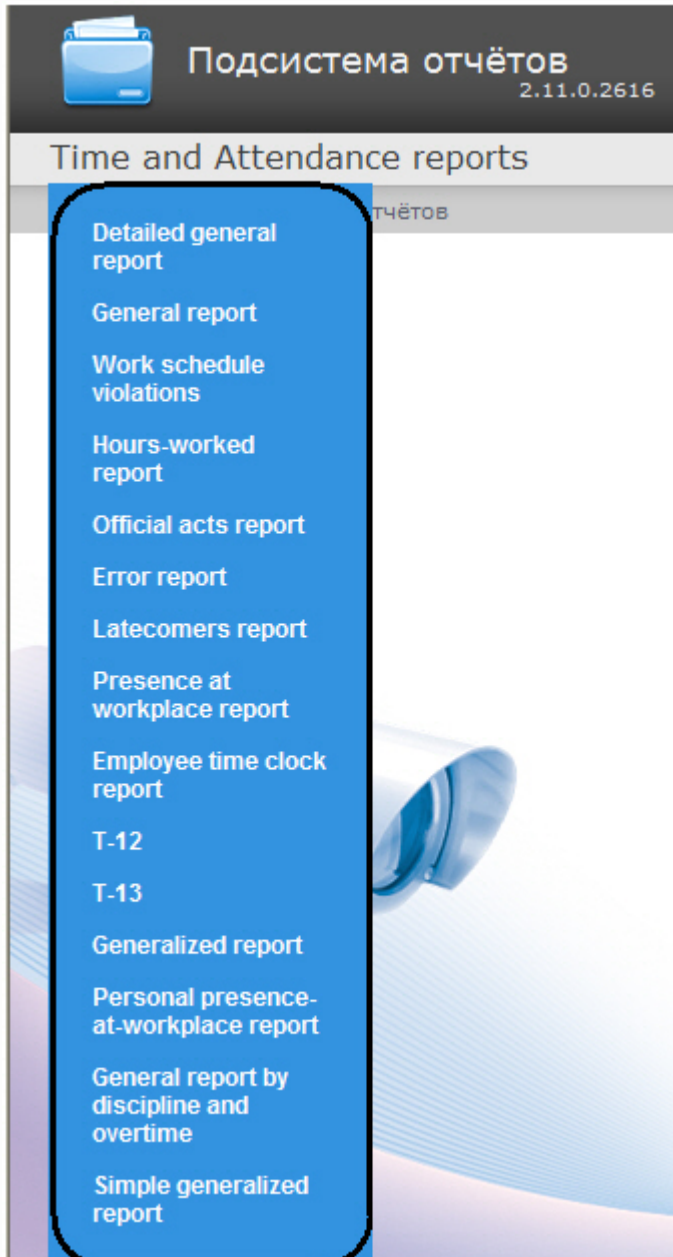
In order to select a type of Time and Attendance report click on Time and Attendance reports link in Report System menu.



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.



## Creating a Time and Attendance report

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

1. Select a Time and Attendance report in one way (see [Selecting a type of Time and Attendance report](#) section). Set required values to the parameters that are necessary for displaying the report of 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 reports is given in the table.

| Parameter   | Description  | Used in reports   |
|---|--|---|
| Area: <input type="text" value="Region 1"/>                         | Used for selecting the area by which 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: <input type="text" value="Current date and time"/>          | Used for setting the period by which the report is displayed                               | Used in all reports   |
| Department / subdivision: <input type="text" value="Department 1"/> | Used for selecting the department or subdivision by which the report is displayed          | <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"/>                      | When the checkbox is checked then entrances/exits 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>   |
| Only working area: <input type="checkbox"/>                         | When the checkbox is checked then 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: <input type="text" value="[all]"/>                        | Used for selecting the employee by whom the report is displayed                            | <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> |

|   |   |   |
|---|---|---|
| <b>Short-form report:</b> <input checked="" type="checkbox"/> | Some fields are hidden when the checkbox is set   | <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> |
| <b>Access levels:</b>   | Used for selecting access level by whom the report is displayed   | <ul style="list-style-type: none"> <li>• Report by users of access levels and readers</li> </ul>  |
| <b>Type of report:</b> By access levels ▼                     | Used for selecting type of report which is to be displayed  | <ul style="list-style-type: none"> <li>• Report by users of access levels and readers</li> </ul>  |
| <b>Readers:</b>   | Used for selecting readers by which report is to be displayed   | <ul style="list-style-type: none"> <li>• Report by users of access levels and readers</li> <li>• Report by employee passes</li> </ul>                               |
| <b>Short-form report:</b> <input checked="" type="checkbox"/> | Only departments or employees which are in the specified region will be considered in the report when the checkbox is set | <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.

## Viewing a Time and Attendance report


### Time and Attendance report toolbar

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. For this one should

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).

### Detailed general report

A Detailed general report presents the information about the presence of staff in the area with details by employees. The report contains the information about the number of people in the department, the number of employees in the area when the report is made and the number of employees in the area when the report is made in %.

Date: 03.07.2012  
Time: 08:21:01

Selected region: Building

| 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 1  | 2                                      | 2   | 100.00 %  |
| Lee Ann       |  | +   |   |
| Smith John    |  | +   |   |
| <b>Total:</b> | <b>2</b>                               | <b>2</b>  | <b>100.00 %</b>                                     |



Note.

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

In the Total line there is the information about the total number of people in the department, total number of employees present in the area and the percentage of employees in the area when the report is made.

## General report

A General report is a table that contains the information about the number of employees in the department, the number of employees present in the area and the percentage of employees in the area when the report is made.

Date: 05.06.2012  
Time: 08:21:01

### Summary report (statistics)

Selected region: Region 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 Employees | 3                                      | 2   | 66.67 %   |
| <b>Total:</b>        | <b>3</b>                               | <b>2</b>  | <b>66.67 %</b>                                      |

In the Total line there is the information about the total number of people in the department, total number of employees present in the area and the percentage of employees in the area when the report is made.

## Work schedule violations

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<br>10:00:00 | 04.06.2012<br>15:23:46 | Coming late     | 07:23:46        |      |
| <b>Total by day</b>    |                        |                 | <b>07:23:46</b> |      |
| 05.06.2012<br>10:00:00 | 05.06.2012<br>08:11:36 | Leaving earlier | 09:48:24        |      |
| <b>Total by day</b>    |                        |                 | <b>09:48:24</b> |      |
| 06.06.2012<br>10:00:00 |                        | Absence         | 10:00:00        |      |
| <b>Total by day</b>    |                        |                 | <b>10:00:00</b> |      |
| 07.06.2012<br>10:00:00 |                        | Absence         | 10:00:00        |      |
| <b>Total by day</b>    |                        |                 | <b>10:00:00</b> |      |
| 08.06.2012<br>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.

### Hours-worked report

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


 Page  from 


 PDF 


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.

### Official acts report

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



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  |          |
| Total by employee             |                 | Amount        | Vouchers             | Overtime |
| From 01.06.2012 to 30.06.2012 |                 | 1             | 1                    | 0        |

**John Johnes**

| Date                          | Document number | Document code | Document description |          |
|-------------------------------|-----------------|---------------|----------------------|----------|
| 07.06.2012                    | 2               | 1             | order                |          |
| Total by employee             |                 | Amount        | Vouchers             | Overtime |
| From 01.06.2012 to 30.06.2012 |                 | 1             | 0                    | 1        |

| Total by department           | Amount | Vouchers | Overtime |
|-------------------------------|--------|----------|----------|
| From 01.06.2012 to 30.06.2012 | 2      | 1        | 1        |

| Total by report               | Amount | Vouchers | Overtime |
|-------------------------------|--------|----------|----------|
| 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.

### Error report

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

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 |

| Total by employee                             | Amount | Entrance with no exit | Exit with no entrance |
|---|--------|-----------------------|-----------------------|
| 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 |

| Total by employee                             | Amount | Entrance with no exit | Exit with no entrance |
|---|--------|-----------------------|-----------------------|
| During interval from 04.06.2012 to 10.06.2012 | 2      | 1                     | 1                     |

| Total by department                           | Amount | Entrance with no exit | Exit with no entrance |
|---|--------|-----------------------|-----------------------|
| 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.

### Latecomers report

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.

### 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.

## Presence in the workplace report

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.

## Employee time clock report

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 1 from 1
PDF
100%

**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 |  |
|                  | Client2    |          |                         |                     |            |            |            |            |            |  |
| 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:



Official Form

|                                      |  |                            |
|--------------------------------------|--|----------------------------|
| (Company name)                       |  | Code<br>NDC03rm<br>NDC04rm |
| Department 1<br>(Company department) |  |                            |

|                 |                 |                 |            |
|-----------------|-----------------|-----------------|------------|
| Document number | Date of forming | Reported period |            |
|                 | 05.11.2011      | from            | to         |
|                 |                 | 01.11.2011      | 30.11.2011 |

**Table of time and attendance**

| No. | Surname, initials, position (specialty, 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    | X  | Half of the month (0, 10) | 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   | Lee Ann   | 2            | 4                                   |    |    |      |      |    |    |    |    |      |      |    |       | 5             | 6     | 7  | 8                         | 9                 | 7                     | 8            | 9                     | 10                        | 11           | 12 | 13       |              |         |              |  |
|     |   |              | 1                                   | 1  | 1  | 1    | 1    | 1  | 1  | 1  | 1  | 1    | 1    | 1  | 1     | 1             | X     | 0  | 0                         |                   |                       |              |                       |                           |              |    |          | 1            | 22 (15) |              |  |
|     |   |              |                                     |    |    |      |      |    |    |    |    |      |      |    |       | X             | 00000 | 0  |                           |                   |                       |              |                       |                           |              |    | HK       | 5 (45)       |         |              |  |
|     |   |              | 1                                   | 1  | 1  | 1    | 1    | 1  | 1  | 1  | 1  | 1    | 1    | 1  | 1     | 1             | 0     | 00000  |                           |                   |                       |              |                       |                           |              |    |          |              |         |              |  |
|     |   |              |                                     |    |    |      |      |    |    |    |    |      |      |    |       |               | 00000 | 00000  |                           |                   |                       |              |                       |                           |              |    |          |              |         |              |  |
| 2   | Smith John  |              | HK                                  | HK | HK | HK   | 0005 | HK | HK | HK | HK | HK   | 0005 | HK | HK    | X             | 1     |  |                           |                   |                       |              |                       |                           |              | HK | 22 (158) |              |         |              |  |
|     |   |              |                                     |    |    |      |      |    |    |    |    |      |      |    |       | 0             | 00051 |  |                           |                   |                       |              |                       |                           |              |    |          |              |         |              |  |
|     |   |              | HK                                  | HK | HK | 0005 | HK   | HK | HK | HK | HK | 0005 | HK   | HK | 0     | 00000         |       |  |                           |                   |                       |              |                       |                           |              |    |          |              |         |              |  |
|     |   |              |                                     |    |    |      |      |    |    |    |    |      |      |    | 00051 |               |       |  |                           |                   |                       |              |                       |                           |              |    |          |              |         |              |  |

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.

### Generalized report

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

### 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                      |
| Hours planned                    | Planned workday duration                        |

**i** 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.

## Personal presence-at-workplace report

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.

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<br>6:20:44 PM  | 11/27/2012<br>6:26:54 PM | Region 1         | Entrance       | Exit       | 0:06:10          |
| 11/27/2012<br>6:26:54 PM  | 11/27/2012<br>6:26:59 PM | Region 1         | Entrance       | Exit       | 0:00:05          |
| 11/27/2012<br>6:26:59 PM  |                          | Region 1         | Entrance       | Exit       |                  |
| 11/27/2012<br>6:18:09 PM  | 11/27/2012<br>6:26:23 PM | Region 2         | Entrance       | Exit       | 0:08:14          |
| 11/27/2012<br>6:26:23 PM  | 11/27/2012<br>6:26:54 PM | Region 2         | Entrance       | Exit       | 0:00:31          |
| 11/27/2012<br>6:26:59 PM  | 11/27/2012<br>6:26:59 PM | Region 2         | Entrance       | Exit       | 0:00:00          |
| <b>Total by employee:</b> |                          |                  |                |            | <b>0:15:00</b>   |

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    |

**i** 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.

## General report by discipline and overtime

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.



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   |

### Simple generalized report

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.

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                      |
| Leaving earlier  | Time on which employee left work earlier |

### Report by users access levels

A Report by users access levels contains information about access levels of selected employees and passage points through which selected employees can perform the pass.

Report System  
3.1.0.410

People Counter detectors Queue Length detectors Time and Attendance reports

Navigation: [Time and Attendance reports](#)

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Date: from 17.06.2015 to 17.06.2015

### Users access levels

#### Department: Department 1

| Full Name  | Access levels  | Passage points |
|------------|----------------|----------------|
| Bob Green  | Access Level 2 |                |
| John Smith | Access Level 1 |                |

#### Department: Department 2

| Full Name | Access levels  | Passage points |
|-----------|----------------|----------------|
| User 3    | Access Level 1 |                |

Report fields are described in the table.

| Field name     | Description                                    |
|----------------|--|
| Full name      | Full name of employee                          |
| Access Level   | Access level of selected employee              |
| Passage points | Passage points through which pass is performed |

## Report by users of access levels and readers

Report by users of access levels and readers contains information about users which have selected access level or selected passage point.

Report System  
3.1.0.410

People Counter detectors Queue Length detectors Time and Attendance reports

Navigation: [Time and Attendance reports](#)

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### Report by users of access levels and passage points

#### Access level: Access Level 1

| ID | Full Name  | Department   |
|----|------------|--------------|
| 1  | John Smith | Department 1 |
| 3  | User 3     | Department 2 |

#### Access level: Access Level 2

| ID | Full Name | Department   |
|----|-----------|--------------|
| 2  | Bob Green | Department 1 |

Report fields are described in the table.

| Field name | Description                          |
|------------|--------------------------------------|
| ID         | ID of employee                       |
| Full name  | Full name of employee                |
| Department | Department to which employee belongs |

## Report by employee passes

Report by employee passes displays all interactions of selected employee with selected passage points. Report allows to detect moving of selected employee within specified zone.

### Report by employee passes

Department: IKT

| Full name  | Passage point | Date               |
|------------|---------------|--------------------|
| John Smith | 009           | 02.06.2015 7:45:46 |
| John Smith | 009 - 010     | 02.06.2015 7:45:52 |
| John Smith | 004           | 02.06.2015 7:46:02 |
| John Smith | 304-1         | 02.06.2015 7:46:57 |
| John Smith | 309-3         | 02.06.2015 7:47:09 |

Report fields are described in the table.

| Field name    | Description                                    |
|---------------|--|
| Full name     | Full name of employee                          |
| Passage point | Passage point through which pass was performed |
| Date          | Date and time of passage                       |

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

Report by first and last card presenting per calendar day contains information about time of first and last presenting of card of selected employee to the passage point. In this report working schedules are ignored, data is displayed per calendar day. All passage points are analyzed while report creating.

Report by first and last card presenting per calendar day

Period: 01.05.2015 - 31.05.2015

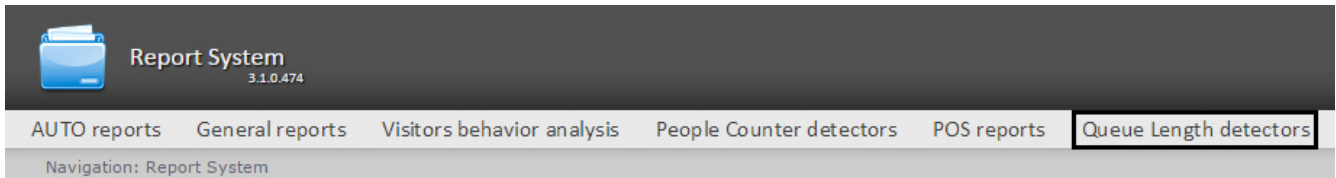
Отдел: ИКТ

| ID                  | Full name  | Position        | Time of first/last card presenting |            |            |                     |                     |                     |                     |
|---------------------|------------|-----------------|------------------------------------|------------|------------|---------------------|---------------------|---------------------|---------------------|
|                     |            |                 | 01.05.2015                         | 02.05.2015 | 03.05.2015 | 04.05.2015          | 05.05.2015          | 06.05.2015          | 07.05.2015          |
| 870                 | John Smith | Product manager |                                    |            |            |                     | 07:56:05 / 17:02:48 | 07:45:54 / 17:01:48 | 07:26:30 / 17:02:48 |
|                     |            |                 | 08.05.2015                         | 09.05.2015 | 10.05.2015 | 11.05.2015          | 12.05.2015          | 13.05.2015          | 14.05.2015          |
|                     |            |                 | 07:33:57 / 16:03:02                |            |            |                     | 07:28:33 / 17:02:27 | 07:25:42 / 17:02:02 | 07:26:50 / 17:01:44 |
|                     |            |                 | 15.05.2015                         | 16.05.2015 | 17.05.2015 | 18.05.2015          | 19.05.2015          | 20.05.2015          | 21.05.2015          |
|                     |            |                 | 07:22:51 / 17:02:38                |            |            | 07:26:33 / 17:02:12 | 07:27:20 / 17:00:58 | 07:22:54 / 17:02:06 | 07:20:50 / 17:02:55 |
|                     |            |                 | 22.05.2015                         | 23.05.2015 | 24.05.2015 | 25.05.2015          | 26.05.2015          | 27.05.2015          | 28.05.2015          |
|                     |            |                 | 07:48:04 / 16:56:50                |            |            | 07:48:17 / 16:55:23 | 07:26:42 / 17:02:27 | 07:46:44 / 16:59:15 | 07:29:07 / 17:01:38 |
|                     |            |                 | 29.05.2015                         | 30.05.2015 | 31.05.2015 |                     |                     |                     |                     |
| 08:13:20 / 16:35:05 |            |                 |                                    |            |            |                     |                     |                     |                     |
| 1844                | Bob Green  | Administrator   | 01.05.2015                         | 02.05.2015 | 03.05.2015 | 04.05.2015          | 05.05.2015          | 06.05.2015          | 07.05.2015          |
|                     |            |                 |                                    |            |            | 07:49:03 / 10:56:30 | 08:44:47 / 16:15:09 | 07:47:27 / 17:02:01 | 07:51:57 / 17:04:06 |
|                     |            |                 | 08.05.2015                         | 09.05.2015 | 10.05.2015 | 11.05.2015          | 12.05.2015          | 13.05.2015          | 14.05.2015          |
|                     |            |                 | 07:58:29 / 16:01:01                |            |            |                     | 07:50:45 / 17:08:50 | 08:07:13 / 17:14:07 | 08:10:33 / 17:32:23 |
|                     |            |                 | 15.05.2015                         | 16.05.2015 | 17.05.2015 | 18.05.2015          | 19.05.2015          | 20.05.2015          | 21.05.2015          |
|                     |            |                 | 07:50:29 / 17:06:14                |            |            | 07:34:21 / 17:13:14 | 08:03:28 / 17:00:41 | 08:14:14 / 17:07:56 | 07:27:18 / 16:14:50 |
|                     |            |                 | 22.05.2015                         | 23.05.2015 | 24.05.2015 | 25.05.2015          | 26.05.2015          | 27.05.2015          | 28.05.2015          |
|                     |            |                 | 09:02:11 / 17:01:26                |            |            | 08:31:07 / 17:02:03 | 08:01:01 / 17:07:18 | 08:03:06 / 17:06:50 | 08:06:55 / 17:15:22 |

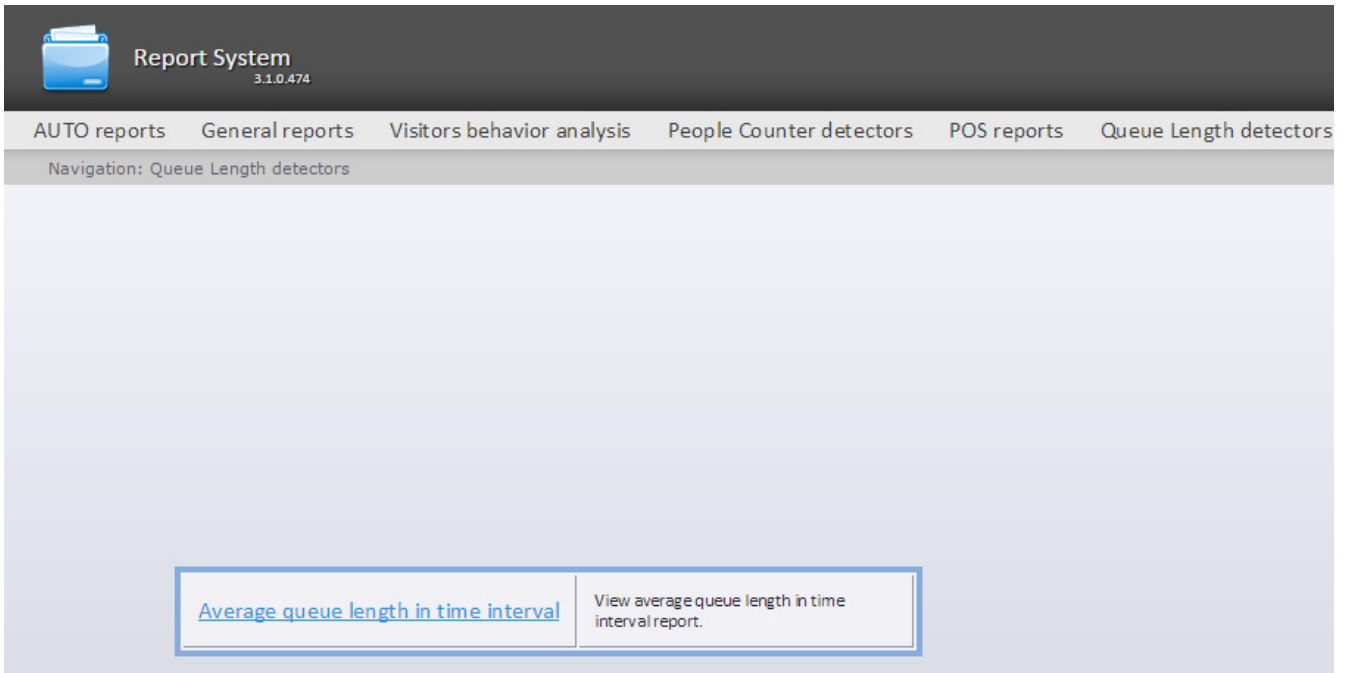
**Note.**  
Minimal time period for report displaying is a week.

## Working with reports by Queue Length detectors

To create a Queue Length report click QueueLength detectors in the report menu of Intellect Web Report System.



Click Average queue length in time interval.



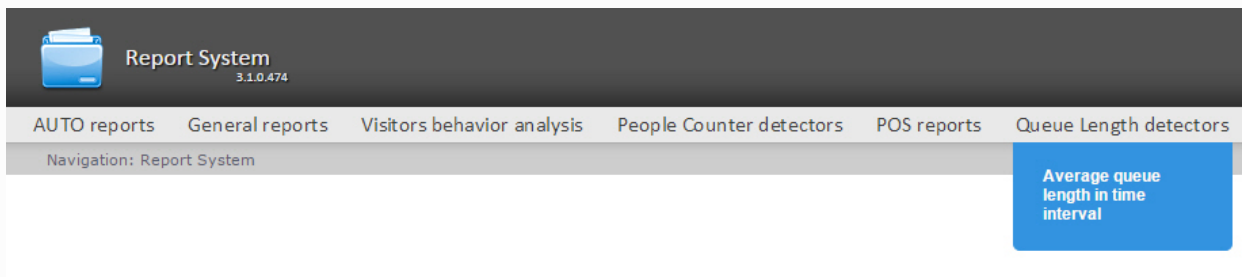
Report System  
3.1.0.474

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

Navigation: Queue Length detectors

[Average queue length in time interval](#)   View average queue length in time interval report.

**Note.**  
Link of going to a report of average queue length in time interval is available when cursor is hovered over the Queue Length detectors link in the report menu.



Report System  
3.1.0.474

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

Navigation: Report System

Average queue length in time interval

A page of a report of average queue length in time interval is displayed.



### Average queue length in time interval

| Parameter                                       | Value  |
|---|--|
| Receiving data period:                          | User defined 2 <input type="button" value="from"/> 08/01/2014 <input type="button" value="Calendar"/> 00:00 <input type="button" value="Clock"/> to 08/31/2014 <input type="button" value="Calendar"/> 00:00 <input type="button" value="Clock"/> <b>1</b> |
| Data averaging interval (min.):                 | 60 <b>2</b>  |
| Detectors:                                      | Choose: All, None<br><input checked="" type="checkbox"/> Queue length detection 1<br><input checked="" type="checkbox"/> Queue length detection 2 <b>3</b>   |
| Chart:  | <input checked="" type="checkbox"/> <b>4</b>   |
| <input type="button" value="Execute"/> <b>5</b> |  |

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 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.
2. 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 the empty report will be displayed for such intervals for the specified period. It is recommended to change the step in this case.

3. In the Detectors field set checkboxes in those Queue length objects information on which should be displayed in the report (3).
4. If it is necessary to view a report as a chart, set the corresponding checkbox (4).

To create a report click Execute (5).

As a result a report of average queue length in time interval with specified parameters is displayed.



# Report System

3.1.0.474

AUTO reports    General reports    Visitors behavior analysis    People Count

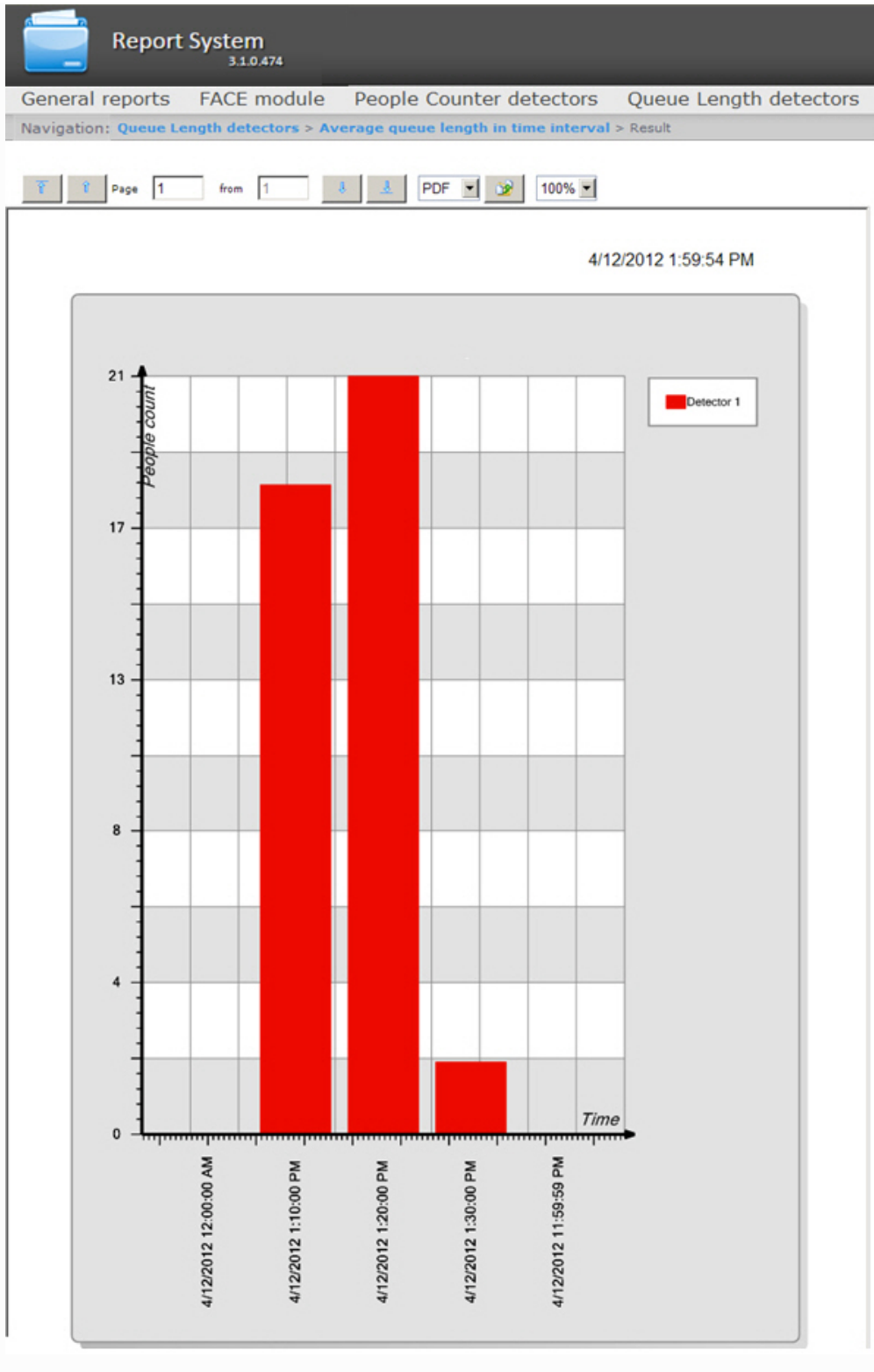
Navigation: [Queue Length detectors](#) > [Average queue length in time interval](#) > Result

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| Detector   | Load report<br>Time Period | People count |
|------------|----------------------------|--------------|
| Detector 1 | 4/12/2012 1:10:00 PM       | 18           |
| Detector 1 | 4/12/2012 1:20:00 PM       | 21           |
| Detector 1 | 4/12/2012 1:30:00 PM       | 2            |

**i** Note.  
Example of a report of average queue length in time interval as a chart is given in the following figure.





## Working with reports by People Counter detectors

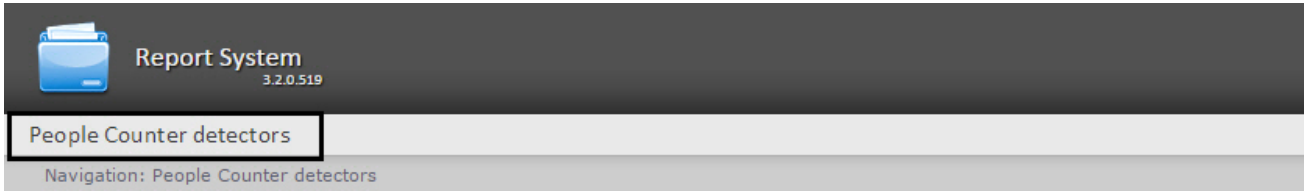
### Selecting a type of reports by People Counter detector

It is possible to create the following reports by data of people counter detector:

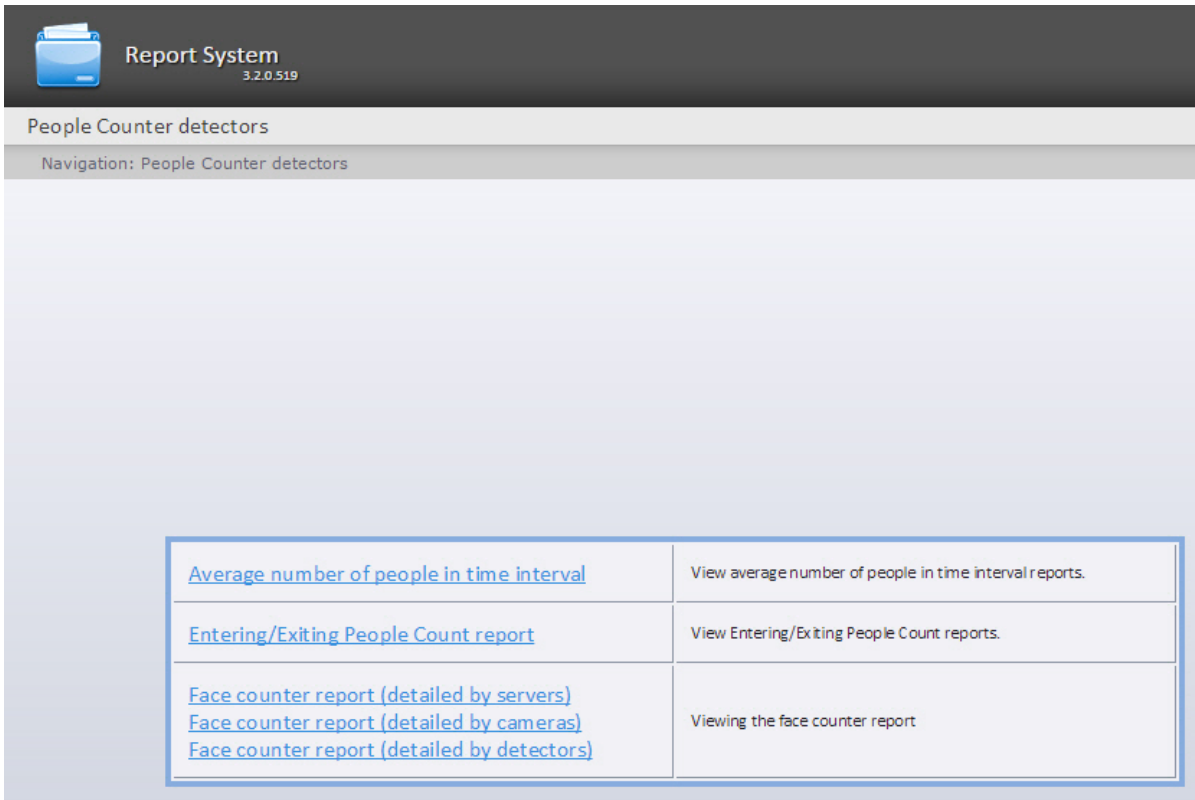
1. Average number of people in time interval. This report allows getting data about the people quality for the selected time period. Data can be presented as a table and chart.
2. Entering/Exiting People Count report. This report allows getting data about the number of entering/exiting people. Data can be presented as a table and chart.
3. Face counter report (detailed by servers). This report allows getting data about the people quality using data from the face recognition servers. Data can be presented as a table and chart.
4. Face counter report (detailed by cameras). This report allows getting data about the people quality using data from

- the video cameras. Data can be presented as a table and chart.
5. Face counter report (detailed by detectors). This report allows getting data about the people quality using data from the face detectors.
  6. . This report allows getting data about number of unidentified persons. Data can be presented as a table and chart.

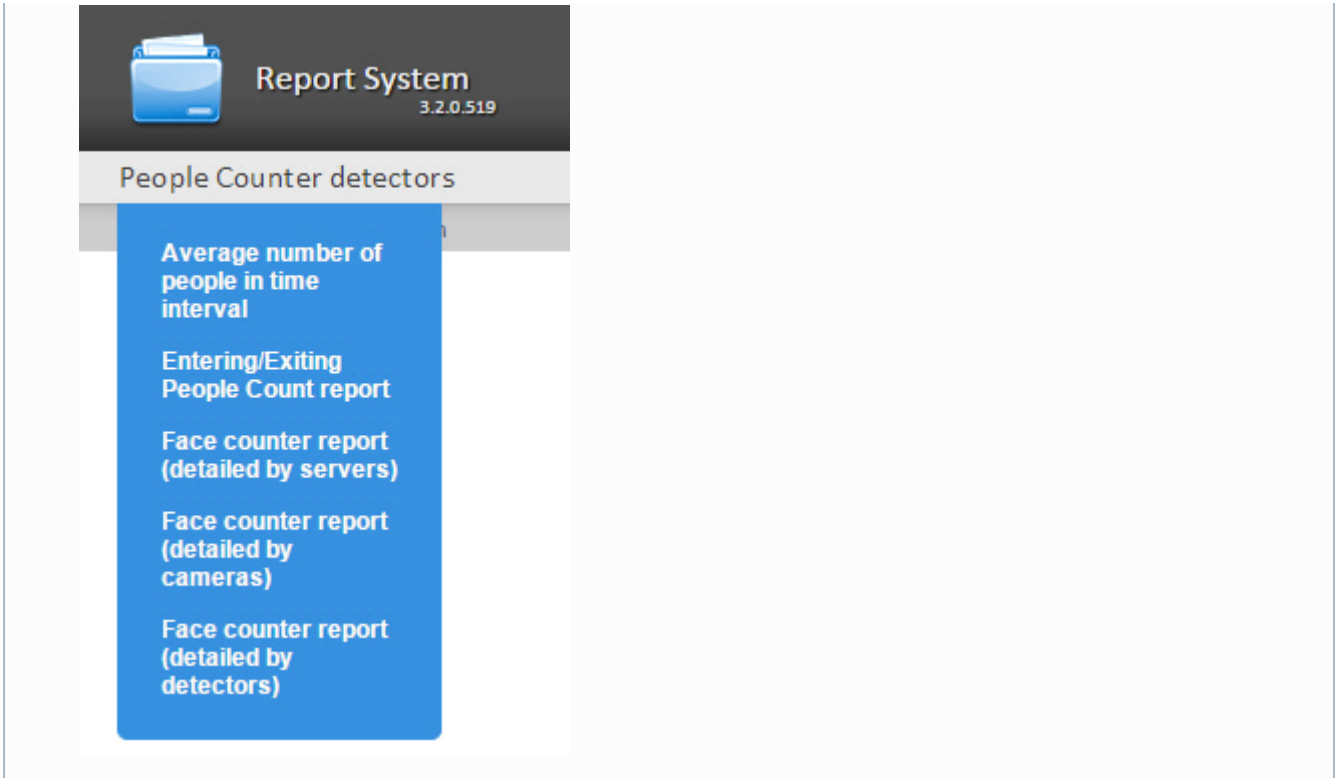
To select a type of report by people counter detectors click People Counter detectors link in the report menu of Intellect Web Report System.



As a result the list of available reports by people counter detectors is displayed. For switching to the required report click the corresponding link.



- i** Note.  
List of links for switching to reports by people counter detectors is available when hovering over the People Counter detectors link in the report menu.



## Creating a report of average number of people in time interval

In order to create a report of average number of people in time interval, do the following:

1. Select the Average number of people in time interval type (see [Selecting a type of reports by People Counter detector section](#)).
2. As a result the dialog box for specifying the report parameters will be displayed.

Report System  
3.1.0.391

General reports
People Counter detectors
Queue Length detectors
Navigation

## Average number of people in time interval

| Parameter              | Value  |
|------------------------|--|
| Detectors:             | <div style="border: 1px solid black; padding: 5px;">                     Choose: <span style="color: blue;">All</span>, <span style="color: red;">None</span><br/> <input checked="" type="checkbox"/> People counter detection 1<br/> <input checked="" type="checkbox"/> People counter detection 2                 </div> <div style="text-align: right; font-weight: bold; font-size: 24px; margin-top: 10px;">1</div> |
| Receiving data period: | Last month <span style="float: right;">2</span>  |
| Step:                  | 60 <span style="float: right;">3</span>  |
| Maximum value:         | For whole period <span style="float: right;">4</span>  |
| Time zone:             | [not applied] <span style="float: right;">5</span>   |
| Chart:                 | <input checked="" type="checkbox"/> <span style="float: right;">6</span>   |
| Sum results:           | <input type="checkbox"/> <span style="float: right;">7</span>  |

**Execute** 8

Set the following report parameters:

1. In the Detectors field set checkboxes in those People counter objects information on which should be displayed in the report (1).
2. 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 (2).
  - 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.
3. 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.

4. In the Max value field specify a maximum value of people that will be displayed in a chart (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

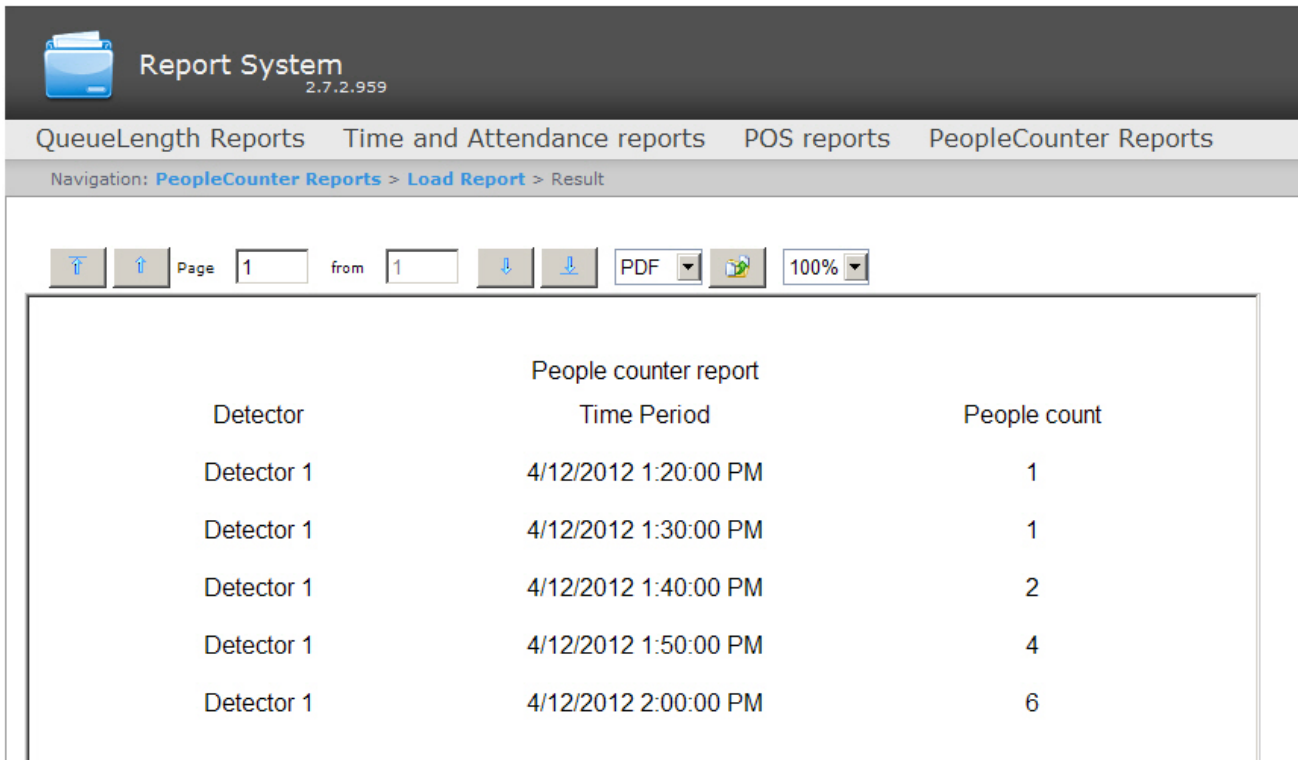
creation and using of time zones is presented in the [Creating and using time zones](#) section.

6. If it is necessary to view a report as a chart, set the corresponding checkbox (6).
7. Set the Sum results: checkbox to display sum result by selected detections in the report (7).
8. To create a report click Execute (8).

Procedure of working the people counter detector for creation the report of average number of people in time interval is follows:

1. The basic data are events about enter and exit sorted by time.
2. Do the previous calculations to create the "Number of people at a time" function:
  - 2.1 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.
  - 2.2 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.
  - 2.3 If there are no events about entering or exiting to the defined time, the "current number of people" remains unchanged.
3. For every interval calculate the average number of people being in the area. "Average number of people for the interval" is calculated as the average value of "Number of people at a time" function at a time.

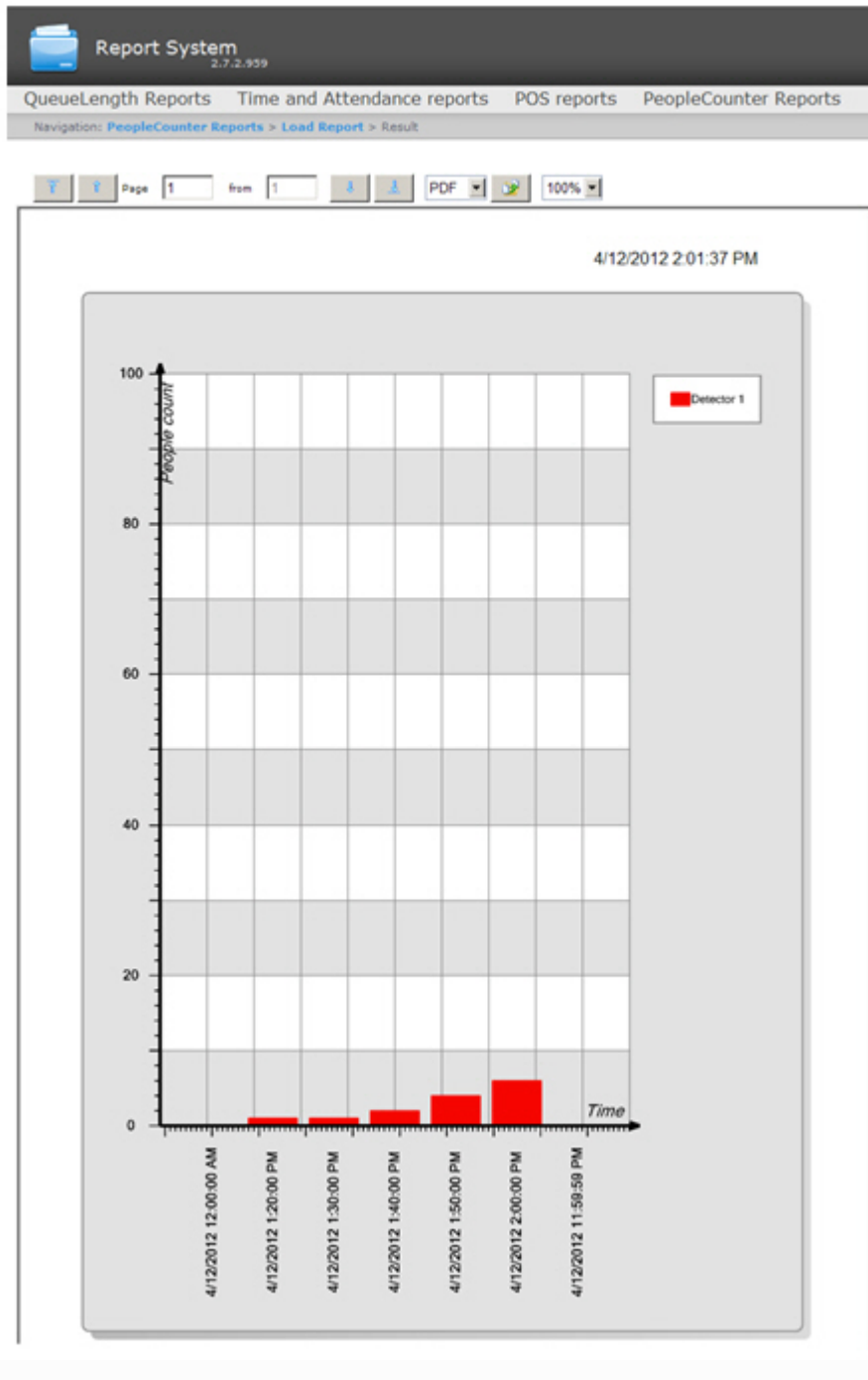
As a result a report of average number of people in time interval with specified parameters is displayed.



The screenshot shows the 'Report System' interface with a navigation menu and a table of data. The navigation menu includes 'QueueLength Reports', 'Time and Attendance reports', 'POS reports', and 'PeopleCounter Reports'. The current page is 'PeopleCounter Reports > Load Report > Result'. The table displays the following data:

| 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            |

**Note.** Example of a report of average number of people in time interval as a chart is given in the following figure.



## Creating an Entering/Exiting People Counter report

In order to create an Entering/Exiting People Counter report, do the following:

1. Select the Entering/Exiting People Counter report type (see [Selecting a type of reports by People Counter detector s](#) ection).
2. As a result the dialog box for specifying the report parameters will be displayed.

Report System  
3.1.0.391

General reports
People Counter detectors
Queue Length detectors
Navig

### Entering/Exiting People Count report

| Parameter              | Value   |
|------------------------|---|
| Detectors:             | Choose: <b>All, None</b><br><div style="border: 1px solid black; padding: 5px;">             + <input checked="" type="checkbox"/> People counter detection 1<br/>             - <input checked="" type="checkbox"/> People counter detection 2<br/>               <input checked="" type="checkbox"/> Entry<br/>               <input checked="" type="checkbox"/> Exit<br/>               <input checked="" type="checkbox"/> Entry+Exit           </div> <div style="text-align: right; font-weight: bold; font-size: 24px; margin-top: 10px;">1</div> |
| Show total per day:    | <input type="checkbox"/> 2  |
| Receiving data period: | Last month <span style="float: right;">3</span>   |
| Step:                  | 60 <span style="float: right;">4</span>   |
| Maximum value:         | For whole period <span style="float: right;">5</span>   |
| Time zone:             | [not applied] <span style="float: right;">6</span>  |
| Chart:                 | <input checked="" type="checkbox"/> <span style="float: right;">7</span>  |
| Sum results:           | <input type="checkbox"/> <span style="float: right;">8</span>   |

Execute 9

Set the following report parameters:

1. 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.

2. Set the Show total per day: checkbox to display sum of positions per day (2).
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 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.
4. Enter a time period (in minutes) during which the values received from people counter detector will be summarized in the Step field (4).
5. From the Maximum value drop-down list select a maximum value of people that will be displayed in a chart (5).
6. 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.

7. If it is necessary to view a report as a chart, set the corresponding checkbox (7).
8. Set the Sum results: checkbox to display sum result by selected detections in the report (8).
9. To create a report click Execute (9).

Entering/Exiting people counting is performed by summation of "enter"/ "exit" events at every interval.

As a result an Entering/Exiting People Counter report with specified parameters is displayed.



People Counter detectors   Queue Length detectors

Navigation: [People Counter detectors](#) > [Entering/Exiting People Count report](#) > Result

Page 1 from 2
PDF
100%

| Entering People Count report |                       |              |
|------------------------------|-----------------------|--------------|
| 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           |

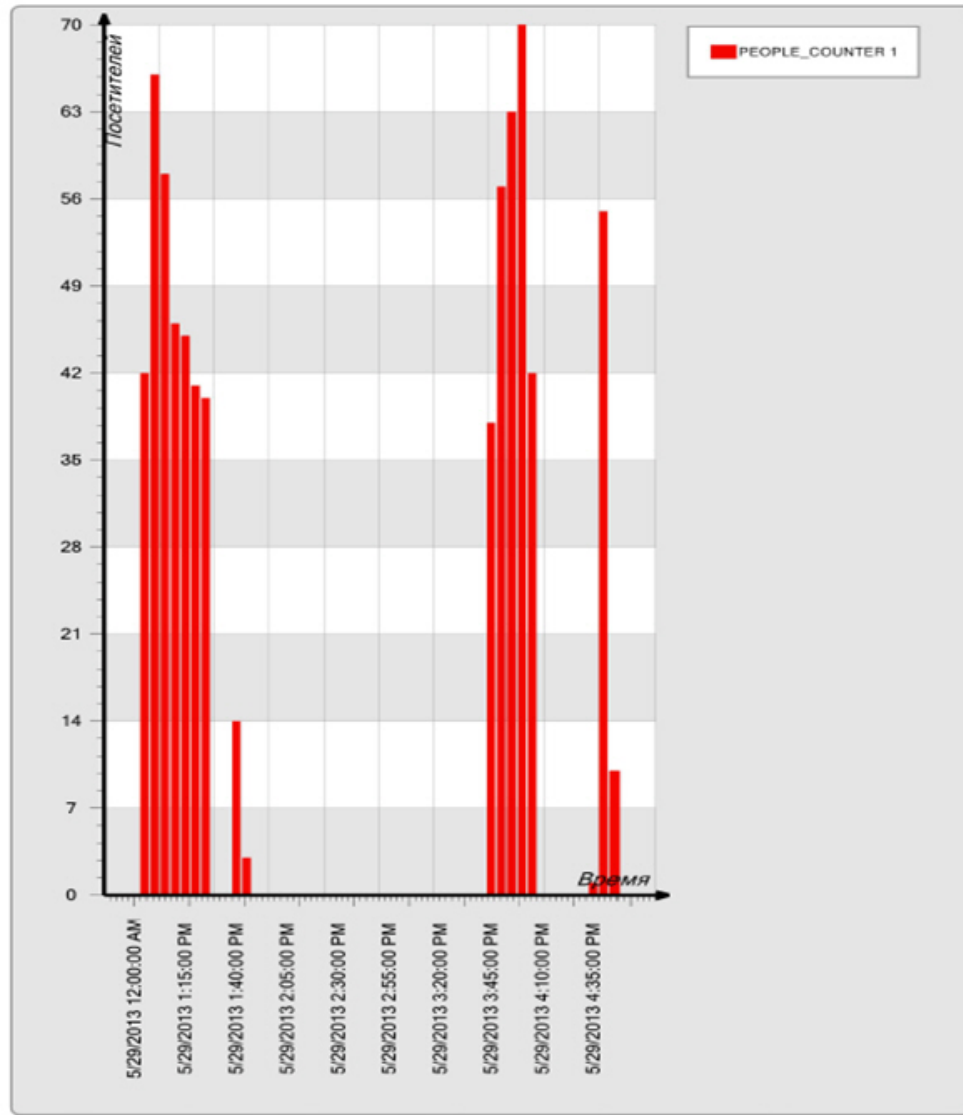
**Note.** Example of a Entering/Exiting People counter report as a chart is given in the following figure.





Entering People Count report

5/29/2013 4:52:26 PM







## Creating a Face counter report detailed by servers



In order to create a face counter report detailed by servers, do the following:


1. Select the Face counter report (detailed by servers) type (see [Selecting a type of reports by People Counter detector](#) section).
2. As a result the dialog box for specifying the report parameters will be displayed.

## Unidentified persons report

| Parameter              | Value  |
|------------------------|--|
| Detectors:             | Choose: <a href="#">All</a> , <a href="#">None</a><br><input checked="" type="checkbox"/> Face Recognition Server 1<br><input checked="" type="checkbox"/> Face Recognition Server 2<br><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  |
| Sum result:            | <input type="checkbox"/> 8   |
| <b>Execute</b> 9       |  |

Set the following report parameters:

1. In the Detectors field set checkboxes in those Face Recognition Server objects information on which should be displayed in the report (1).
2. Set the Add total per day: checkbox to display sum of positions per day (2).
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 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.
4. Enter a time period (in minutes) during which the values received from people counter detector will be summarized in the Step field (4).
5. From the Maximum value drop-down list select a maximum value of people that will be displayed in a chart (5).
6. 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.

7. If it is necessary to view a report as a chart, set the corresponding checkbox (7).
8. Set the Sum results: checkbox to display sum result by selected detections in the report (8).
9. To create a report click Execute (9).

As a result a face counter report detailed by servers with specified parameters is displayed.

### Face counter report (detailed by servers)

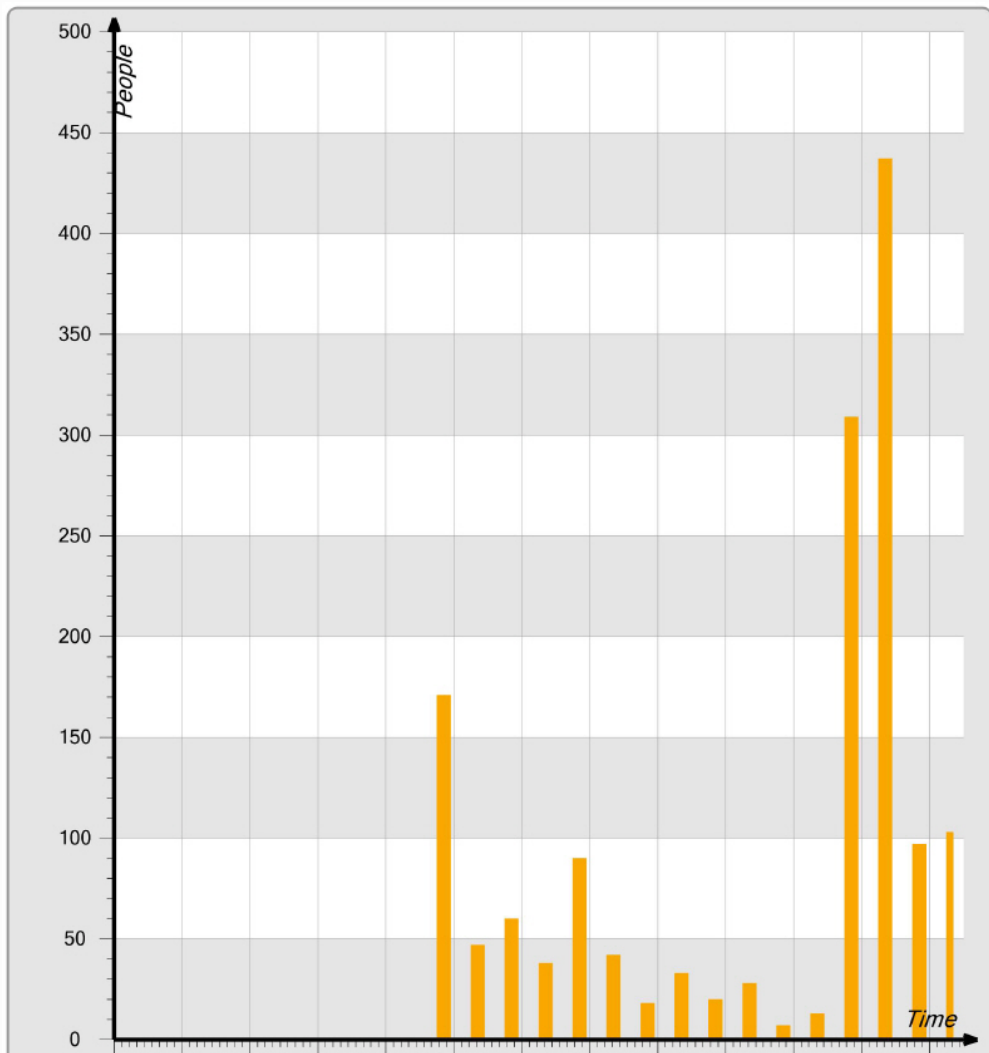
(number of unidentified persons)

| Period of data receiving                        | Interval of data receiving                      | People |
|---|---|--------|
| 12/21/2015 12:00:00 AM - 12/21/2015 11:59:59 PM |   |        |
| Face recognition                                | 12/21/2015 8:00:00 AM - 12/21/2015 8:59:59 AM   | 171    |
| Face recognition                                | 12/21/2015 9:00:00 AM - 12/21/2015 9:59:59 AM   | 47     |
| Face recognition                                | 12/21/2015 10:00:00 AM - 12/21/2015 10:59:59 AM | 60     |
| Face recognition                                | 12/21/2015 11:00:00 AM - 12/21/2015 11:59:59 AM | 38     |
| Face recognition                                | 12/21/2015 12:00:00 PM - 12/21/2015 12:59:59 PM | 90     |
| Face recognition                                | 12/21/2015 1:00:00 PM - 12/21/2015 1:59:59 PM   | 42     |
| Face recognition                                | 12/21/2015 2:00:00 PM - 12/21/2015 2:59:59 PM   | 18     |
| Face recognition                                | 12/21/2015 3:00:00 PM - 12/21/2015 3:59:59 AM   | 33     |



Note.

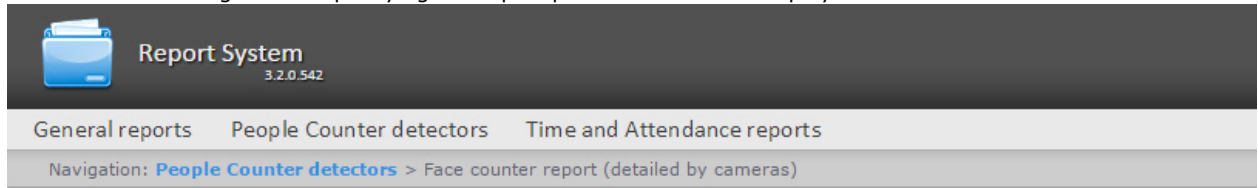
Example of a face counter report detailed by servers as a chart is given in the following figure.



## Creating a Face counter report detailed by cameras

In order to create a face counter report detailed by cameras, do the following:

1. Select the Face counter report (detailed by cameras) type (see Selecting a type of reports by People Counter detector>Selecting a type of reports by People Counter detector section).
2. As a result the dialog box for specifying the report parameters will be displayed.





### Face counter report (detailed by cameras)

| Parameter              | Value  |
|------------------------|--|
| Cameras:               | Choose: <b>All, None</b><br><input checked="" type="checkbox"/> Camera 4<br><span style="float: right;">1</span> |
| Add total per day:     | <input type="checkbox"/> <span style="float: right;">2 3</span>  |
| Receiving data period: | User 2 ▼ from 01/01/2016 [calendar] 00:00 [clock] to 01/31/2016 [calendar] 23:59 [clock]                         |
| Step:                  | 60 <span style="float: right;">4</span>  |
| Maximum value:         | For whole period ▼ <span style="float: right;">5</span>  |
| Time zone:             | [not apply] ▼ <span style="float: right;">6</span>   |
| Chart:                 | <input checked="" type="checkbox"/> <span style="float: right;">7</span>   |
| Sum result:            | <input type="checkbox"/> <span style="float: right;">8</span>  |

**Execute** 9

Set the following report parameters:

1. In the Cameras field set checkboxes in those Camera objects information on which should be displayed in the report (1).
2. Set the Add total per day: checkbox to display sum of positions per day (2).
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 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.
4. Enter a time period (in minutes) during which the values received from people counter detector will be summarized in the Step field (4).
5. From the Maximum value drop-down list select a maximum value of people that will be displayed in a chart (5).
6. 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.

7. If it is necessary to view a report as a chart, set the corresponding checkbox (7).
8. Set the Sum results: checkbox to display sum result by selected detections in the report (8).
9. To create a report click Execute (9).



### Face counter report (detailed by detectors)

| Parameter                              | Value  |
|--|--|
| Detectors:                             | Choose: <b>All, None</b><br><input checked="" type="checkbox"/> face detector 1.1<br><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   |
| <input type="button" value="Execute"/> |  |

Set the following report parameters:

1. In the Detectors field set checkboxes in those Face detectors objects information on which should be displayed in the report (1).
2. 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 (2).
  - 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.
3. To create a report click Execute (3).

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    |

## Working with AUTO reports

Working with AUTO reports consists of the following steps:

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

Navigating, scaling the displayed page and AUTO report exporting are performed by analogy with Time and Attendance reports using the toolbar on the top of a page (see [Time and Attendance report toolbar](#) section).

### Selecting a type of Auto report

It is possible to create the following reports on Auto-Intellect software data:

1. «Time slice» on zone. This report allows getting data about the average speed of vehicle moving, range and density of traffic, occupation of the specified lane for the selected time period. Time period is specified within the accuracy of a day. Data can be presented as a table and chart.
2. «Slice» on group. This report allows getting data about the average speed of vehicle moving, range and density of

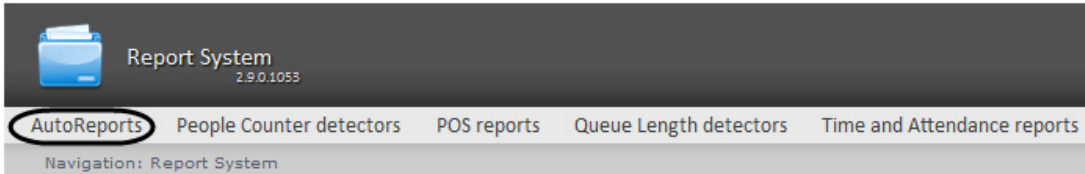
traffic, occupation of several lanes for the fixed point of time. Time interval is specified within the accuracy of a minute. Data can be presented as a table and chart.

3. Traffic statistics by vehicles type. This report allows getting statistical data for each specified type of vehicles. Vehicle type is a set of vehicles the sizes of which are in certain intervals.
4. Traffic statistics by vehicles groups. This report allows getting statistical data for each specified group of vehicles. Vehicles group is a set of several vehicles types.

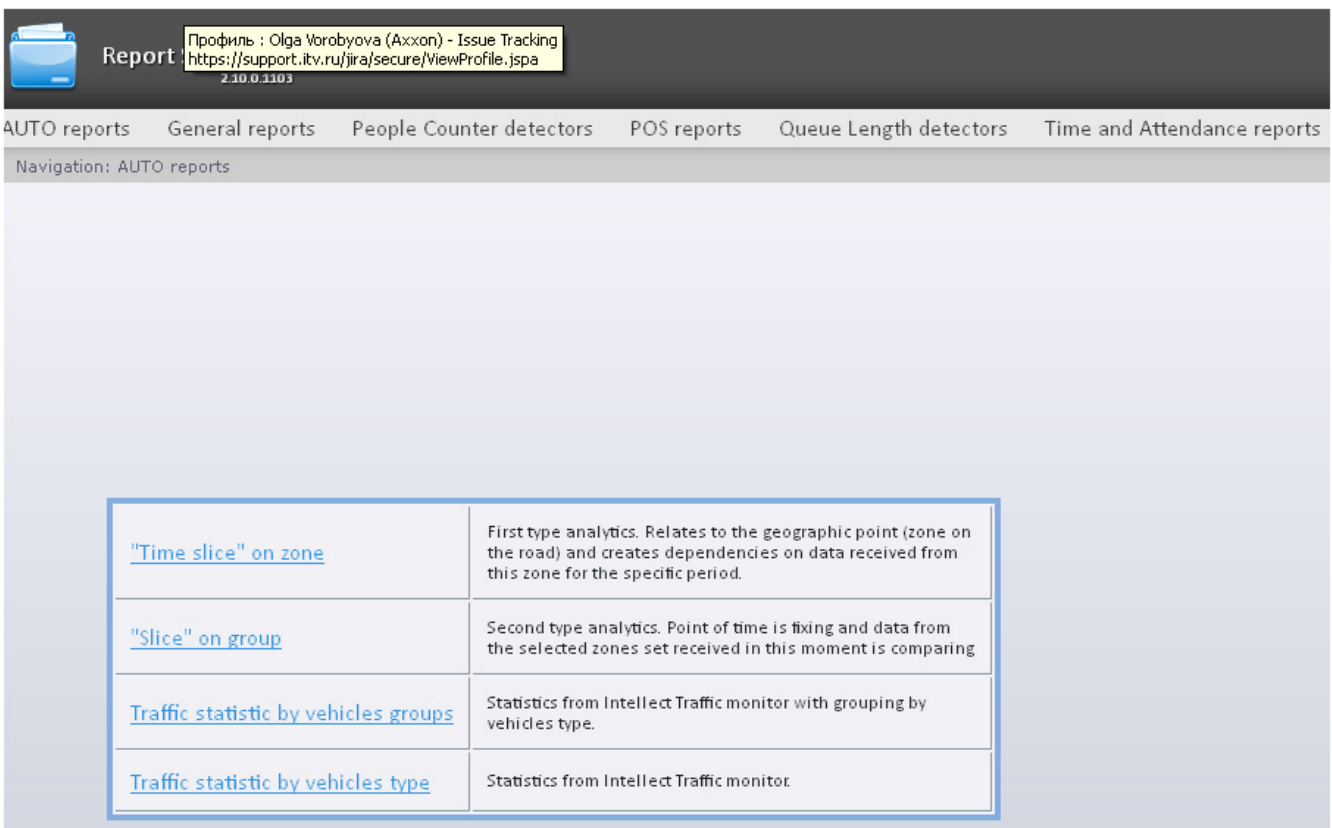
«Time slice» on zone and «Slice» on group reports refer to Traffic Detector and Vehicle Processor modules (the corresponding modules are to be created in the Intellect software package).

Traffic statistics by vehicles type and Traffic statistics by vehicles groups reports refer to Vehicle Detector module (the corresponding module is to be created in the Intellect software package).

To select a type of Auto report click Auto Reports link in the report menu of Intellect Web Report System.

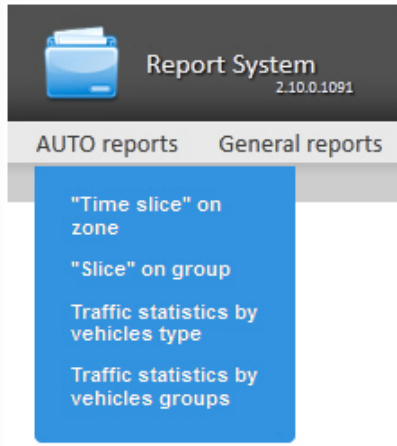


As a result the list of available Auto reports is displayed. For switching to the required report click the corresponding link.



**Note.**

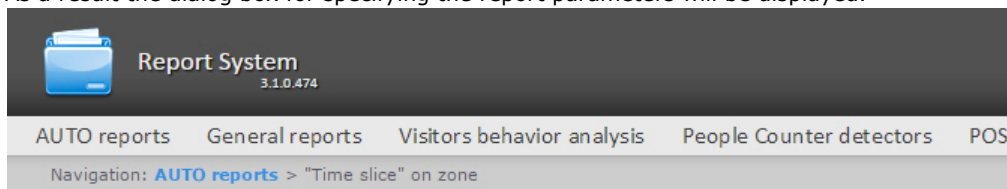
List of links for switching to Auto reports is available when hovering over the Auto reports link in the report menu.



## Creating a «Time slice» on zone

In order to create a «Time slice» on zone, do the following:

1. Select the «Time slice» on zone type of Auto reports (see [Selecting a type of Auto report](#) section).
2. As a result the dialog box for specifying the report parameters will be displayed.



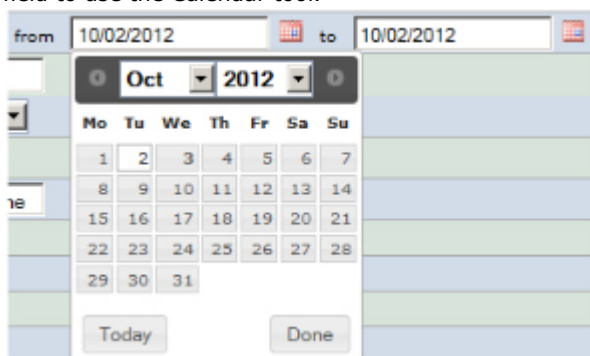
### "Time slice" on zone

| Parameter                       | 1                                   | 2    | Value      | 3             |
|---------------------------------|-------------------------------------|------|------------|---------------|
| Period:                         | User defined                        | from | 10/18/2015 | to 10/18/2015 |
| Averaging interval, min:        | 60                                  | 4    |            |               |
| Data source (zone or detector): |                                     | 5    |            |               |
| Report's content:               | Chart+Table                         | 6    |            |               |
| Title:                          | "Time slice" on zone                | 7    |            |               |
| View average speed data:        | <input checked="" type="checkbox"/> | 8    |            |               |
| View volume data:               | <input checked="" type="checkbox"/> | 9    |            |               |
| View density data:              | <input checked="" type="checkbox"/> | 10   |            |               |
| View Occupancy data:            | <input checked="" type="checkbox"/> | 11   |            |               |


**Execute** 12

3. Specify parameters of «time slice» 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.



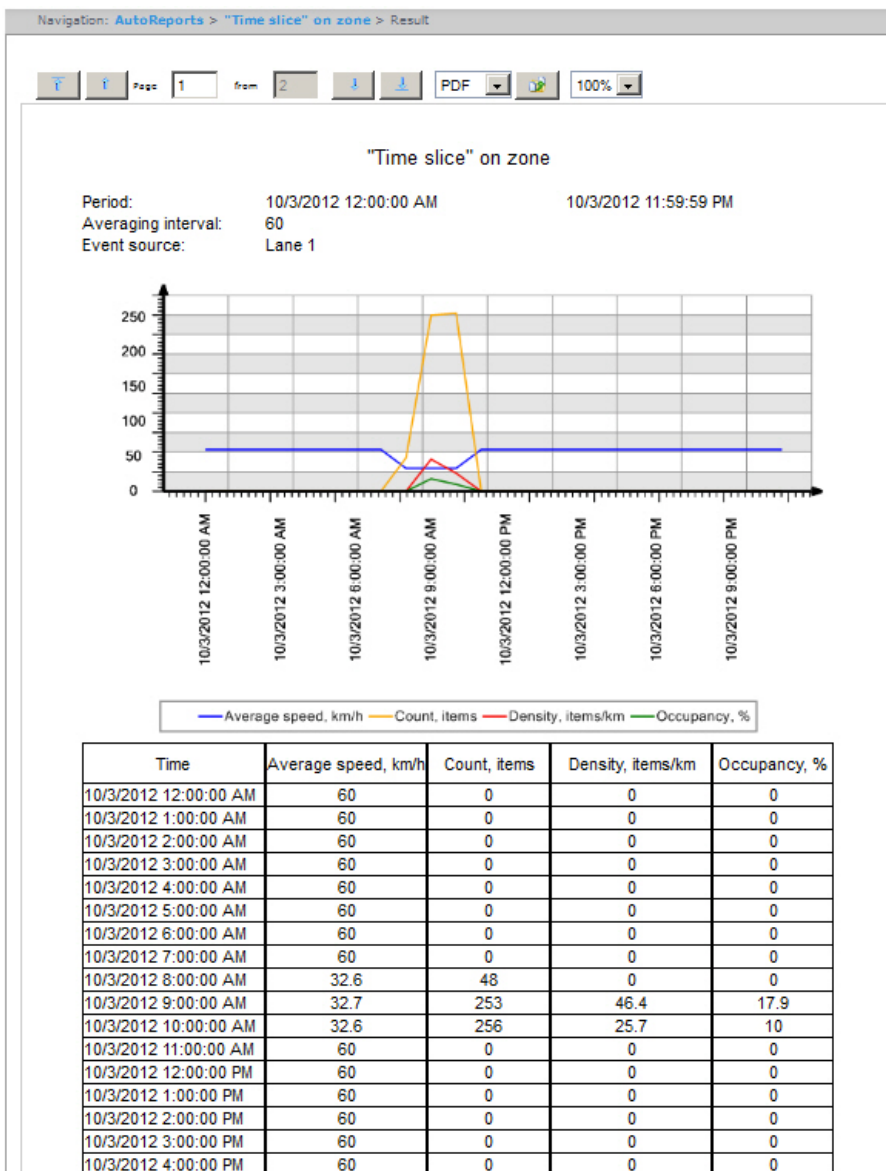


- c. If the User defined 2 period is selected, enter additionally the time of start and end periods for which the report is to be created using the  button.  
If another period type is selected, specifying the date of start and end periods is not needed.
- d. In the Averaging interval, min enter the 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).
  - 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).
4. Click Execute to create the report (11).

As a result the report in the selected form is displayed.



## Creating a «Slice» on group

In order to create a «Slice» on group, do the following:

1. Select the «Slice» on group type of Auto reports (see [Selecting a type of Auto report](#) section).
2. As a result the dialog box for specifying the report parameters will be displayed.

Navigation: **AutoReports** > "Slice" on group

### "Slice" on group

| Parameter                       | 1   | 2          | Value | 3        |
|---------------------------------|---|------------|-------|----------|
| Point of time:                  | Selected date and time  | 10/03/2012 |       | 09:37 AM |
| Data source (zone or detector): | Choose: All, None<br><input checked="" type="checkbox"/> Zone 1<br><input checked="" type="checkbox"/> Lane 1<br><input checked="" type="checkbox"/> Lane 3<br><input checked="" type="checkbox"/> Zone 2<br><input checked="" type="checkbox"/> Lane 2 |            |       |          |
| Report's content:               | Chart+Table   |            |       |          |
| Title:                          | "Slice" on group  |            |       |          |
| 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"/>   |            |       |          |

**Execute** 11

3. Specify parameters of «Slice» on group 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.

10/03/2012 09:37

Oct 2012

| 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 |
| 29 | 30 | 31 |    |    |    |    |

Today Done

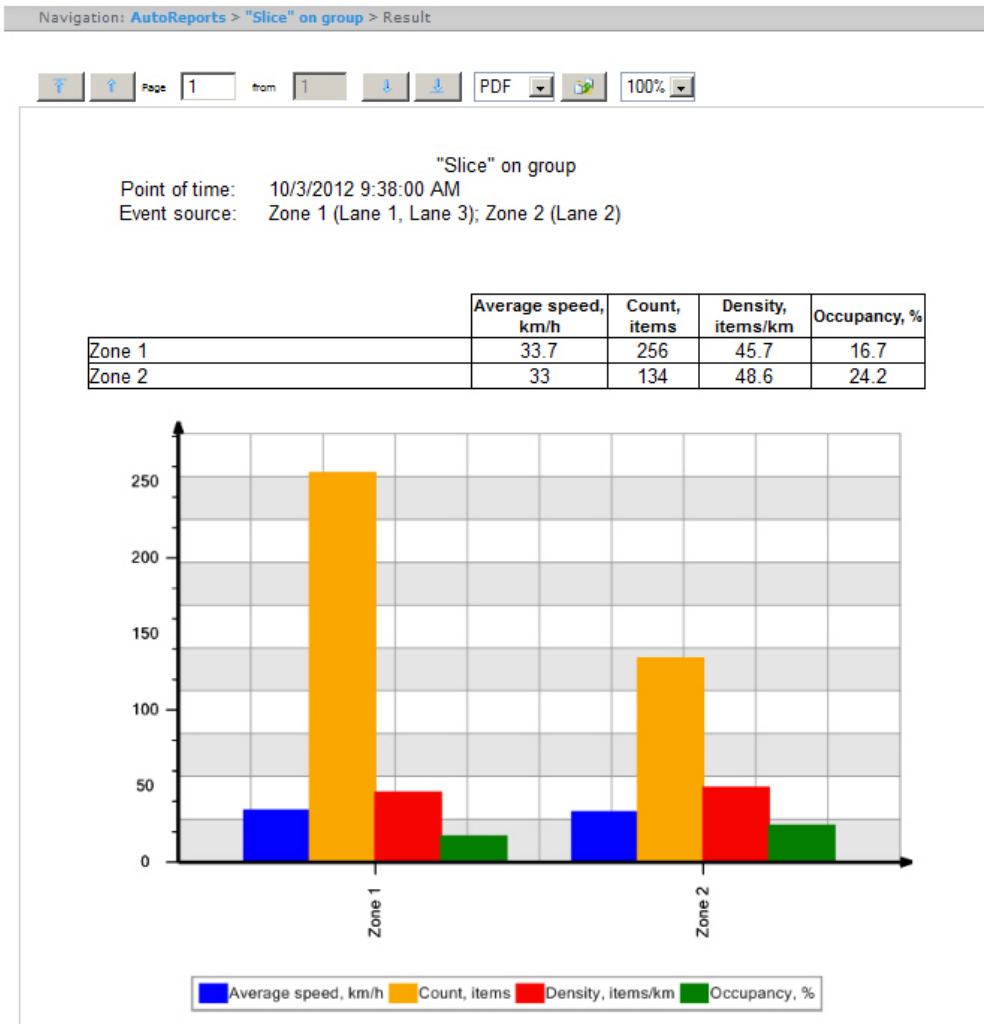
Note.  
 Click the button to set the current system date and time as the report time (3).

- c. Set 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.

- 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.



## Getting a traffic statistics by vehicles groups

In order to get a traffic statistics, do the following:

1. Select the Traffic statistics by vehicles groups type of Auto reports (see [Selecting a type of Auto report](#) section).
2. As a result the dialog box for specifying the report parameters will be displayed.

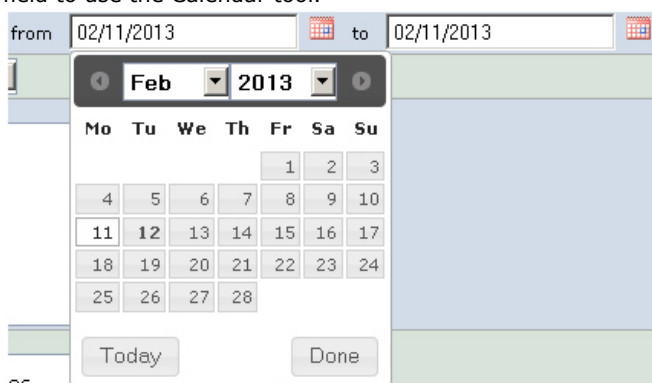
### Traffic statistic by vehicles groups

| Parameter            | Value   |
|----------------------|---|
| Period:              | User defined from 02/11/2013 to 02/11/2013  |
| Transport detection: | Traffic Detector 1  |
| Lanes:               | <input type="checkbox"/> Lane0<br><input type="checkbox"/> Lane1<br><input type="checkbox"/> Lane2<br><input type="checkbox"/> Lane3<br><input type="checkbox"/> Lane4<br><input type="checkbox"/> Lane5  |
| Vehicle groups:      | <input checked="" type="checkbox"/> Small vehicles<br><input checked="" type="checkbox"/> Medium vehicles<br><input checked="" type="checkbox"/> Large vehicles   |
| Displayed data:      | <input checked="" type="checkbox"/> General number of vehicles<br><input checked="" type="checkbox"/> Average speed km/h<br><input checked="" type="checkbox"/> Number of violation<br><input checked="" type="checkbox"/> Speed exceeding<br><input checked="" type="checkbox"/> Moving in oncoming lane<br><input checked="" type="checkbox"/> Number of vehicle stops<br><input checked="" type="checkbox"/> Average workload of road<br><input checked="" type="checkbox"/> Traffic jam |
| Execute              |   |

3. Specify parameters of Traffic statistics by vehicles groups in the following way:

- a. In 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 next to 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.
- d. In the Transport detection drop-down list select the Transport detection object, data of which is to be used to create the report (3).
- e. 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 groups in the list click the All link. To uncheck all checkboxes click the None link.

- f. 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 vehicles less than 12 m);
  - Large vehicles (the group includes vehicles more than 12 m and buses).
- g. 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).

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           | 87.8                | 0               | 0         | 0               | 6                      | 9.4                    | 0           |
| Small vehicles                       | 3486           | 89.4                | 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           |

## Getting a traffic statistics by vehicles type

In order to get a traffic statistics by vehicles type, do the following:

1. Select the Traffic statistics by vehicles groups type of Auto reports (see [Selecting a type of Auto report](#) section).
2. As a result the dialog box for specifying the report parameters will be displayed.

### 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<br><input type="checkbox"/> Lane0<br><input type="checkbox"/> Lane1<br><input type="checkbox"/> Lane2<br><input type="checkbox"/> Lane3<br><input type="checkbox"/> Lane4<br><input type="checkbox"/> Lane5  |                 | 4             |
| Types of vehicles:   | Choose: All, None<br><input checked="" type="checkbox"/> Motorcycles<br><input checked="" type="checkbox"/> Cars<br><input checked="" type="checkbox"/> Cargo vehicles less than 12 m<br><input checked="" type="checkbox"/> Cargo vehicles more than 12 m<br><input checked="" type="checkbox"/> Busses   |                 | 5             |
| Displayed data:      | Choose: All, None<br><input checked="" type="checkbox"/> General number of vehicles<br><input checked="" type="checkbox"/> Average speed km/h<br><input checked="" type="checkbox"/> Number of violation<br><input checked="" type="checkbox"/> Speed exceeding<br><input checked="" type="checkbox"/> Moving in oncoming lane<br><input checked="" type="checkbox"/> Number of vehicle stops<br><input checked="" type="checkbox"/> Average workload of road<br><input checked="" type="checkbox"/> Traffic jam |                 | 6             |

**Execute** 7

3. Specify parameters of Traffic statistics by vehicles type in the following way:

- In the Period: drop-down list select the time period for which the report is to be created (1).
- 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.

- 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.
- In the Transport detection drop-down list select the Transport detection object, data of which are to be used to create the report (3).
- 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.

- f. In the Types of vehicles list set checkboxes next to those vehicle types data of which is to be included in the report (5).

**i** Note.  
In order to select all groups in the list click the All link. To uncheck all checkboxes click the None link.

- g. In the Displayed data list set checkboxes next to those parameters which are to be included in the report (6)

**i** 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).

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           |

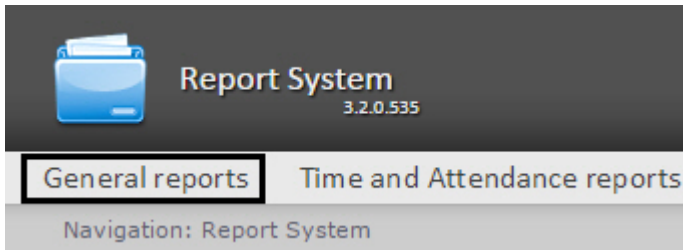
## Working with general reports

### Selecting a type of general report

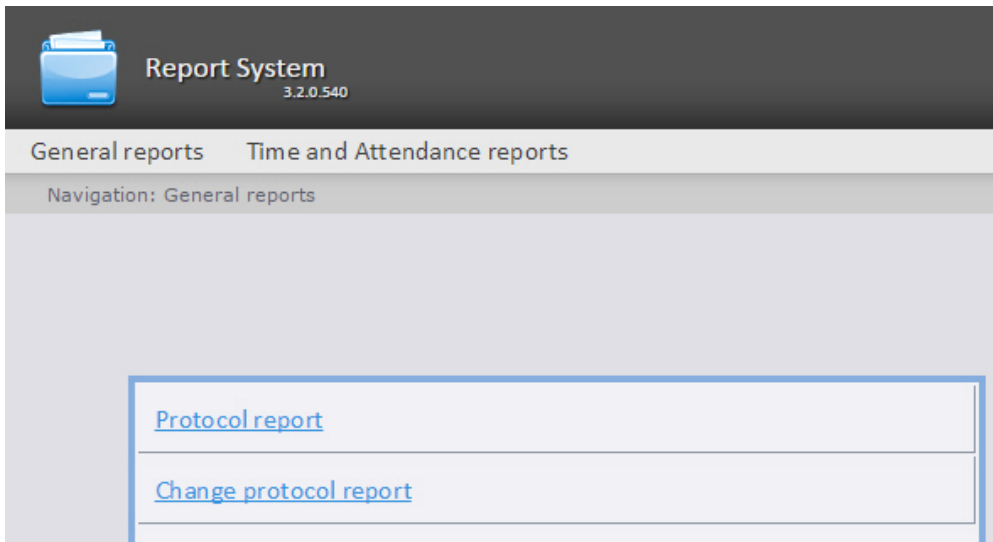
It is possible to create the following general reports:

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.

To select a type of general report click General reports link in the report menu of Intellect Web Report System.

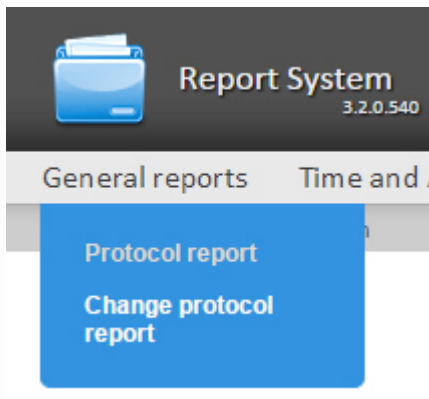


As a result the list of available general reports is displayed. For switching to the required report click the corresponding link.



Note.

List of links for switching to General reports is available when hovering over the General reports link in the report menu.



## Creating a Protocol report

In order to create a protocol report, do the following:

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              | >> <<               | <input checked="" type="checkbox"/> Camera 2 |
| 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 needed 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 be contain video image from the camera (4).
6. From the Camera: drop-down list select the camera from which the video will be displayed in the report (5).
7. From the Filter: drop-down list select filter which will be applied to the report (6).
8. In the Filter text: enter a condition by which filter will be performed in the report (7).
9. In the Maximum of output strings: field enter the number of output strings in the protocol report (8).
10. 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 (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 near the corresponding field to use the Calendar tool.



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

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      |

Part 2: Video display showing a camera feed of a room with a television. The interface includes a timeline on the right with timestamps from 12:01:11 to 12:04:43.

Part 3: A placeholder area for an image, currently showing a red 'X' icon.

Page 1 of 20 | View 1 - 25 of 196

A form of the Protocol report with video displaying consists of three parts. Part 1 is equal to the print form of protocol reports without video displaying. Part 2 displays video from the selected camera. Part 3 displays image.

Video is displayed in case of the video archive for the specified period is existed. Otherwise, the last frame from archive is displayed.

Images corresponding to events of employee passes will be displayed while using the FSA/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. On default, the "/BMP/Person/" path is specified.

Names of files should correspond to ID of employees whose passes are displayed in 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 should be deselected.

General reports POS reports

Navigation: [General reports](#) > [Protocol report](#) > Result

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**Protocol report**  
Period: 17.01.2014 - 17.01.2014

| Source   | Object type | Event           | Information | Date               | Computer |
|----------|-------------|-----------------|-------------|--------------------|----------|
| Камера 1 | Camera      | Record off      |             | 17/01/2014 8:14:09 | WS4      |
| Камера 1 | Camera      | Connection lost |             | 17/01/2014 8:14:10 | WS4      |
| Камера 1 | Camera      | Connection      |             | 17/01/2014 8:14:10 | WS4      |
| Камера 1 | Camera      | Alarm           |             | 17/01/2014 8:26:01 | WS4      |
| Камера 1 | Camera      | Alarm end       |             | 17/01/2014 8:26:12 | WS4      |
| Камера 1 | Camera      | Alarm           |             | 17/01/2014 9:03:41 | WS4      |
| Камера 1 | Camera      | Alarm end       |             | 17/01/2014 9:03:49 | WS4      |



**Attention!**



To create the auto generated protocol report you should select the report without video displaying.

## Creating a Change protocol report

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.

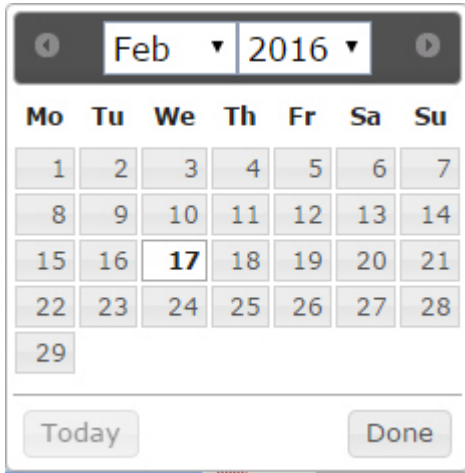
## Change protocol report

| Parameter       | Value  |
|-----------------|--|
| Object type:    | Choose: <a href="#">All</a> , <a href="#">None</a><br><input checked="" type="checkbox"/> Access Level<br><input checked="" type="checkbox"/> Camera<br><input checked="" type="checkbox"/> Computer<br><input checked="" type="checkbox"/> Display<br><input checked="" type="checkbox"/> General reports<br><input checked="" type="checkbox"/> Security zone<br><input checked="" type="checkbox"/> TAM reports<br><input checked="" type="checkbox"/> Time Zone<br><input checked="" type="checkbox"/> Video capture device<br><input checked="" type="checkbox"/> Web Report System <span style="float: right;"><b>1</b></span> |
| Operators:      | Choose: <a href="#">All</a> , <a href="#">None</a><br><input checked="" type="checkbox"/> Unauthorized user <span style="float: right;"><b>2</b></span>  |
| 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> <span style="float: right;"><b>6</b></span>   |
| Period:         | User ▼ from 02/17/2016  to 02/17/2016    |

**Execute** **7**

Set the following report parameters:

1. In the Object type: field set checkboxes in those types of objects to which the changed, created or removed object belongs (1).
2. 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.
3. To display deleted objects in the report set the corresponding checkbox (3).
4. To display created objects in the report set the corresponding checkbox (4).
5. To display objects which have been changed set the Change objects checkbox (5).
6. 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 (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

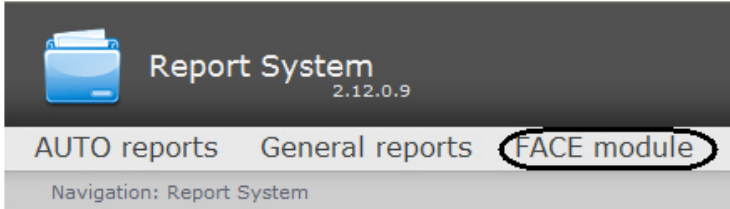
Period: 17.01.2016 - 17.02.2016

| 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>;<br>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>;<br>CAM.compressor.count <1> => <2>;<br>CAM.stream_id.count <1> => <2>;<br>CAM.direct_connect.count <1> => <2>;<br>CAM.gstream_version.count <1> => <2>;<br>CAM.gate.count <1> => <2>;<br>CAM.guid.count <1> => <2>;<br>CAM.arch.count <1> => <2>;<br>CAM.speed.count <1> => <2>;<br>CAM.cam.count <1> => <2>;<br>CAM.compression.count <1> => <2>;<br>CAM.gate_arch.count <1> => <2>; |

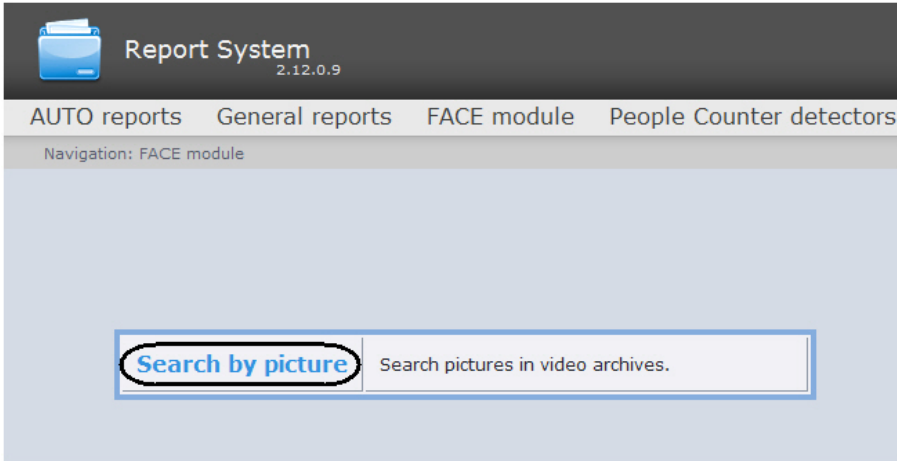
## Working with «Face» module report

The Face operator operation is to be selected for the role of corresponding user for working with the Face module reports (see the [Role editing](#) section).

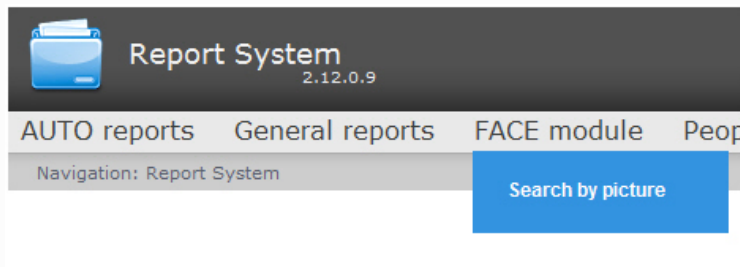
To search by picture click Face module link in the report menu of Intellect Web Report System.



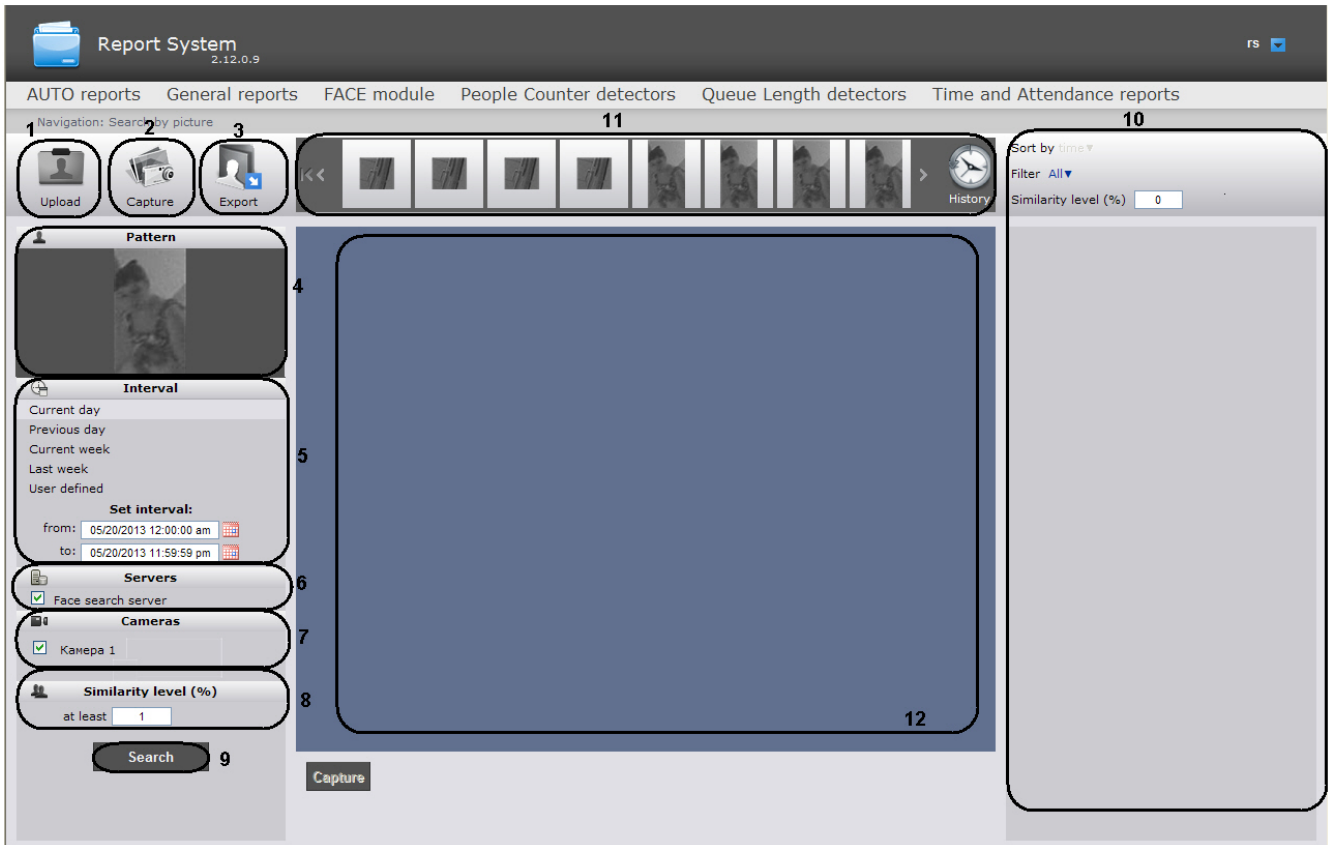
For switching to the Search by picture click the corresponding link.



- i** Note.  
List of links for switching to Search by picture is available when hovering over the Face module link in the report menu.

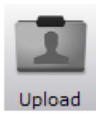


A page with parameters of Search by picture is displayed.

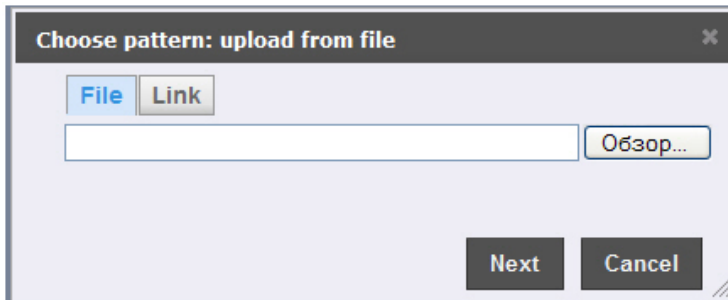


In order search by picture, do the following:

1. Upload the picture by one of the following ways:




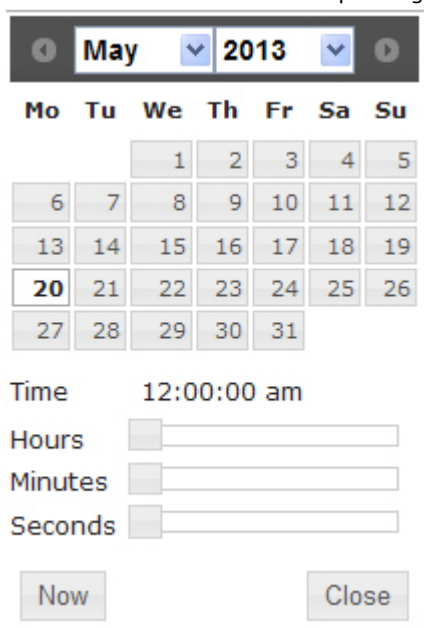
- to upload the picture click **Upload** (1).  
As a result the uploading window will display. In the File tab choose the needed file. To add file using the URL go to the Link tab and enter the corresponding link. To confirm click Next.



- to capture the picture from the video camera click the **Capture** button (2).  
As a result the window with the captured picture will display. Select the needed area in the image and click Ok.



2. The picture by which the search will be performed is displayed in the Pattern section (4).
3. Specify the search interval in the Interval section. If the User defined interval is selected, enter the date of start and end periods for which the search is to be performed in the from and to fields using the Calendar tool (5). Click the  button near the corresponding field to use the Calendar tool.

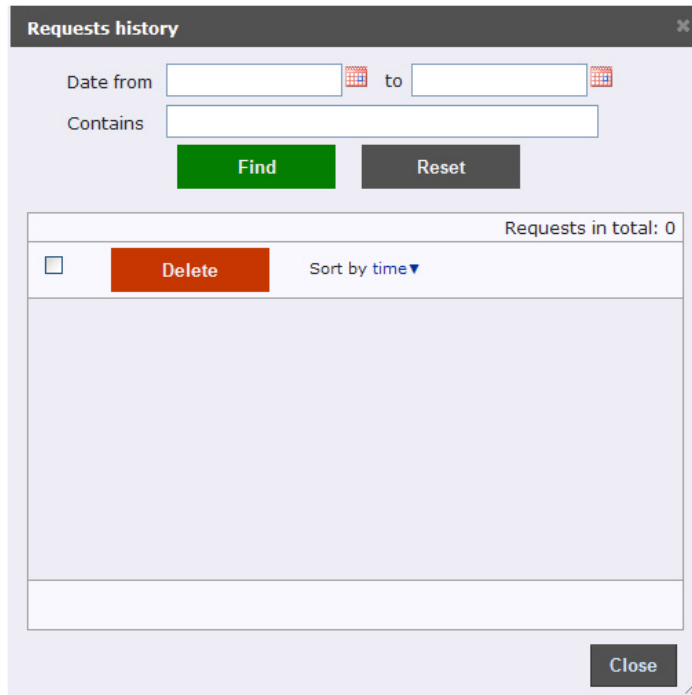


4. Set the checkboxes in those Face search servers which are needed for search by picture in the Servers section (6).
5. Set the checkboxes in those cameras on which the search by picture is to be performed in the Cameras section (7).
6. Specify the smallest similarity level in percents in the Similarity level section (8).
7. Click Search to start searching by picture (9).
8. The search results will display in the right part of the window (10). Select the needed result from the list and in the central part of the window the corresponding archive is displaying and the fragment where the matching is found out is highlighted (Figure 8.7—4, 12).



9. The search history is displayed in the high part of the window. To review the detailed history click
  - 9.1 To search the request enter the date of search by picture and click Search.
  - 9.2 To go back to the page of Search by picture click Close.





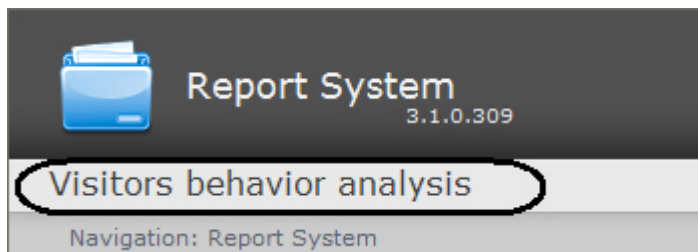
## Working with Customer behavior reports

### Selecting a type of Visitors behavior analysis reports


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.



As a result the list of available visitors behavior analysis reports is displayed. For switching to the required report click the corresponding link.


Report System  
3.1.0.309

Visitors behavior analysis

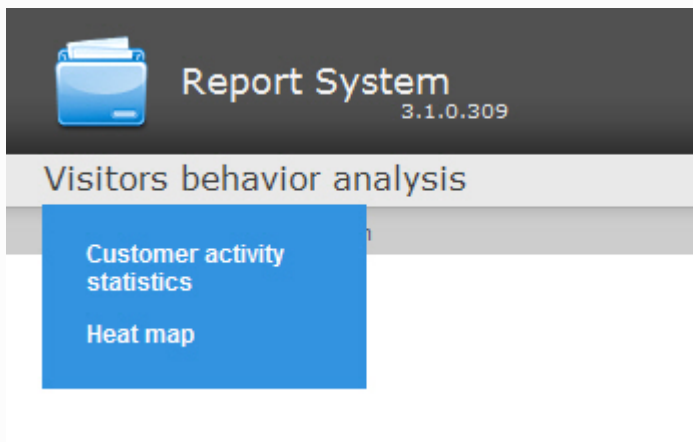
Navigation: Visitors behavior analysis

|  |  |
|--|--|
| <span style="font-weight: bold; color: #0070c0;">Customer activity statistics</span> | <span style="font-size: 0.9em;">View reports by change of visitors activity in shop zones in time</span>                 |
| <a href="#" style="color: #0070c0; text-decoration: underline;">Heat map</a>         | <span style="font-size: 0.9em;">View of maps with visitors activity color indication in different points of shop.</span> |



Note.

List of links for switching to visitors behavior analysis reports is available when hovering the Visitors behavior analysis link in the report menu.



## Creating the Customer activity statistics report

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.

**Report System**  
3.1.0.314



Visitors behavior analysis    People Counter detectors    Queue Length detectors

Navigation: [Visitors behavior analysis](#) > Customer activity statistics

### Customer activity statistics


| Parameter                                       | Value  |
|---|--|
| Receiving data period:                          | User defined 2 <input type="button" value="v"/> from 08/01/2014 <input type="button" value="c"/> 00:00 <input type="button" value="c"/> to 08/31/2014 <input type="button" value="c"/> 00:00 <input type="button" value="c"/> <b>1</b> |
| Included week days:                             | Mon - Sun <input type="button" value="v"/> <b>2</b>  |
| Chart step:                                     | 15 minutes <input type="button" value="v"/> <b>3</b>   |
| Detectors:                                      | Choose: All, None<br><input checked="" type="checkbox"/> Area 1<br><input checked="" type="checkbox"/> Region 1.1<br><input checked="" type="checkbox"/> Zone 1<br><b>4</b>  |
| Show in one axis:                               | <input checked="" type="checkbox"/> <b>5</b>   |
| <input type="button" value="Execute"/> <b>6</b> |  |

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 Heat map detection objects 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.

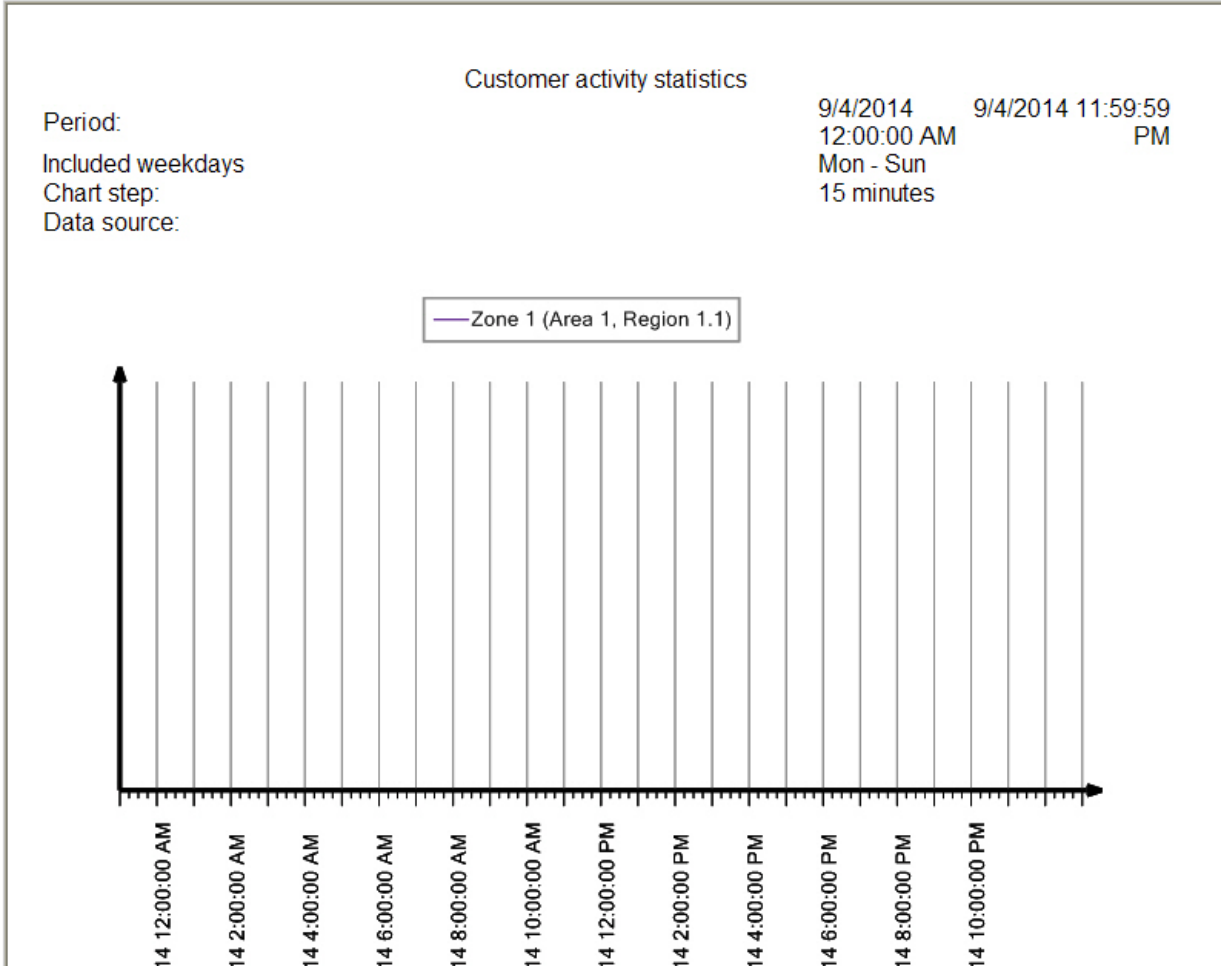


Visitors behavior analysis

Navigation: [Visitors behavior analysis](#) > [Customer activity statistics](#) > Result


 Page  from 


 PDF 

## Creating a Heat map report

To create the heat map report, do the following:

1. Select the Heat map 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.

Report System  
3.1.0.314



Visitors behavior analysis   People Counter detectors   Queue Length detectors

Navigation: Visitors behavior analysis > Heat map

### Heat map


| Parameter   | Value  |
|---|--|
| Receiving data period:  | User defined 2 <input type="button" value="v"/> from 08/01/2014 <input type="button" value="calendar"/> 00:00 <input type="button" value="clock"/> to 08/31/2014 <input type="button" value="calendar"/> 00:00 <input type="button" value="clock"/> <span style="float: right;">1</span>                               |
| Included week days:   | Mon - Sun <input type="button" value="v"/> <span style="float: right;">2</span>  |
| Detectors:  | Choose: All, None<br><div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;"> <input checked="" type="checkbox"/> Area 1<br/>             <input checked="" type="checkbox"/> Region 1.1<br/>               <input checked="" type="checkbox"/> Zone 1           </div> <span style="float: right;">3</span> |
| Conversion function:  | Linear function (no conversion) <input type="button" value="v"/> <span style="float: right;">4</span>  |
| Absolute scale:   | <input checked="" type="checkbox"/> <span style="float: right;">5</span>   |
| <input type="button" value="Execute"/> <span style="float: right;">6</span> |  |

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.


2. From the Included week days: drop-down list select days when most customers work (or conversely. 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 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 Heat map detection objects information on which should be displayed in the report (3).
4. From the Conversion function: drop-down list select the function of converting initial data to relative values (4).

 **Note.**  
 Different conversion functions are designed to pay special attention to various aspects of a store customers behavior statistics.

5. Set the Absolute scale checkbox if it's required to display initial data without any changes (5).

 **Note.**  
 The most toneless colour corresponds to the null customer activity and the red color corresponds to the 100% customer activity in a store zones. Often the customer activity is fluctuates, for example, in a range

from 0% to 20% and for the best visual acceptability of statistics remove the Absolute scale checkbox, then each value of activity will be multiplied by  $100\% \setminus 20\% = 5$  (in case of linear conversion function is in use) and the activity statistics will be displayed by all range of colors.

6. To create a report click Execute (6).

As a result a Heat map report with specified parameters is displayed.



### Visitors behavior analysis

Navigation: [Visitors behavior analysis](#) > [Heat map](#) > Result

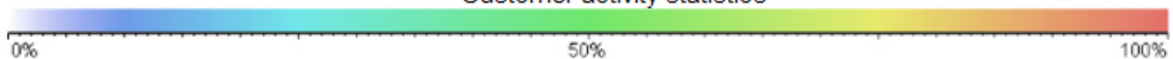
Page 1 from 1 PDF 100%

#### Heat map

Period: 9/4/2014 12:00:00 AM - 9/4/2014 11:59:59 PM  
Included weekdays: Mon - Sun  
Data source: Zone 1 (Area 1, Region 1.1)



Customer activity statistics



## Conclusion

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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Axxon Soft Inc., Beryozovaya alleya, building 5, section 5a, Moscow, Russia, 127273  
Tel/fax: (495) 775-61-61  
[www.axxonsoft.com](http://www.axxonsoft.com)

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