

gRPC API (ConfigurationService)

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```
{
  "method": "axxonsoft.bl.config.ConfigurationService.ListUnits",
  "data": {
    "unit_uids": [
      "hosts/Server1/DeviceIpint.10"
    ]
  }
}
```

:

```
{
  "units": [
    {
      "uid": "hosts/Server1/DeviceIpint.10",
      "display_id": "10",
      "type": "DeviceIpint",
      "display_name": "",
      "access_point": "",
      "properties": [
        {
          "id": "display_name",
          "name": "Display name",
          "type": "string",
          "readonly": false,
          "value_string": "axis"
        },
        {
          "id": "driverName",
          "name": "Driver Name",
          "type": "string",
          "readonly": true,
          "value_string": "Axis"
        },
        {
          "id": "driverVersion",
          "name": "Driver Version",
          "type": "string",
          "readonly": true,
          "value_string": "3.0.0"
        },
        {
          "id": "vendor",
```

```

        "name": "Device Vendor",
        "type": "string",
        "readonly": false,
        "enum_constraint": {},
        "value_string": "Axis"
    },
    {
        "id": "model",
        "name": "Device Model",
        "type": "string",
        "readonly": false,
        "value_string": "P1343"
    },
    {
        "id": "firmware",
        "name": "Firmware version",
        "type": "string",
        "readonly": false,
        "value_string": "5.06"
    },
    {
        "id": "address",
        "name": "IP Address of device",
        "type": "string",
        "readonly": false,
        "value_string": "192.168.0.181"
    },
    {
        "id": "port",
        "name": "Port number",
        "type": "int32",
        "readonly": false,
        "value_int32": 80
    },
    {
        "id": "useDefaultAuthentication",
        "name": "Use default device credentials",
        "type": "bool",
        "readonly": false,
        "value_bool": false
    },
    {
        "id": "user",
        "name": "Login",
        "type": "string",
        "readonly": false,
        "value_string": "root"
    },
    {
        "id": "password",
        "name": "Password",
        "type": "string",
        "readonly": false,
        "value_string": "pass"
    },
    {
        "id": "blockingConfiguration",
        "name": "Preserve device settings",
        "type": "bool",
        "readonly": false,
        "value_bool": false
    },
    {
        "id": "geoLocationLatitude",
        "name": "Geolocation Latitude",
        "type": "double",
        "readonly": false,
        "value_double": 35
    },
    {
        "id": "geoLocationLongitude",

```

```

        "name": "Geolocation Longitude",
        "type": "double",
        "readonly": false,
        "value_double": 45
    },
    {
        "id": "geoLocationAzimuth",
        "name": "Geolocation Azimuth",
        "type": "double",
        "readonly": false,
        "value_double": 0
    }
],
"units": [
    {
        "uid": "hosts/Server1/DeviceIpint.10/VideoChannel.0",
        "display_id": "0",
        "type": "VideoChannel",
        "display_name": "",
        "access_point": "",
        "properties": [],
        "units": [],
        "factory": [],
        "destruction_args": [],
        "discoverable": false,
        "status": "UNIT_STATUS_ACTIVE",
        "stripped": false,
        "opaque_params": [],
        "assigned_templates": []
    },
    {
        "uid": "hosts/Server1/DeviceIpint.10/Microphone.0",
        "display_id": "0",
        "type": "Microphone",
        "display_name": "",
        "access_point": "",
        "properties": [],
        "units": [],
        "factory": [],
        "destruction_args": [],
        "discoverable": false,
        "status": "UNIT_STATUS_INACTIVE",
        "stripped": false,
        "opaque_params": [],
        "assigned_templates": []
    },
    {
        "uid": "hosts/Server1/DeviceIpint.10/Telemetry.0",
        "display_id": "0",
        "type": "Telemetry",
        "display_name": "",
        "access_point": "",
        "properties": [],
        "units": [],
        "factory": [],
        "destruction_args": [],
        "discoverable": false,
        "status": "UNIT_STATUS_ACTIVE",
        "stripped": false,
        "opaque_params": [],
        "assigned_templates": []
    },
    {
        "uid": "hosts/Server1/DeviceIpint.10/IO.0",
        "display_id": "0",
        "type": "IO",
        "display_name": "",
        "access_point": "",
        "properties": [],
        "units": [],
        "factory": [],

```

```

        "destruction_args": [],
        "discoverable": false,
        "status": "UNIT_STATUS_INACTIVE",
        "stripped": false,
        "opaque_params": [],
        "assigned_templates": []
    },
    {
        "uid": "hosts/Server1/DeviceIpint.10/Speaker.0",
        "display_id": "0",
        "type": "Speaker",
        "display_name": "",
        "access_point": "",
        "properties": [],
        "units": [],
        "factory": [],
        "destruction_args": [],
        "discoverable": false,
        "status": "UNIT_STATUS_INACTIVE",
        "stripped": false,
        "opaque_params": [],
        "assigned_templates": []
    }
],
"factory": [],
"destruction_args": [],
"discoverable": false,
"status": "UNIT_STATUS_ACTIVE",
"stripped": false,
"opaque_params": [],
"assigned_templates": [
    "502f5739-0b18-4852-891a-35aefbd85d7c"
]
}
],
"unreachable_objects": [],
"not_found_objects": []
}

```

units :

- ,
- ,
- ,
- IP-,
- ,
- ,
- ,
- .

(,,,) **units.**

, .
 , :

```

{
    "method": "axxonsoft.bl.config.ConfigurationService.ListUnitsByAccessPoints",
    "data": {
        "access_points": [ "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0" ]
    }
}

```

:

```
{
  "units": [
    {
      "uid": "hosts/Server1/DeviceIpint.1/VideoChannel.0",
      "display_id": "0",
      "type": "VideoChannel",
      "display_name": "",
      "access_point": "hosts/Server1/DeviceIpint.1/SourceEndpoint.video:0:0",
      "properties": []
    }
  ]
}
```

- **uid** , ;
- **type** .

:

```
{
  "method": "axxonsoft.bl.config.ConfigurationService.ListUnitsByAccessPointsStream",
  "data": {
    "access_points": ["hosts/Server1/AVDetector.1/EventSupplier"]
  }
}
```

:

```
--ngpboundary
Content-Type: application/json; charset=utf-8
Content-Length: 24703

{
  "units": [
    {
      "uid": "hosts/Server1/AVDetector.1",
      "display_id": "1",
      "type": "AVDetector",
      "display_name": "Object tracker",
      "access_point": "hosts/Server1/AVDetector.1/EventSupplier",
      "properties": []
    }
  ]
}
```



- ListUnitsByAccessPointsStream , ListUnitsByAccessPoints, .
- ListUnitsByAccessPointsStream Web-, .

:

```
{
  "method": "axxonsoft.bl.config.ConfigurationService.ListUnits",
  "data": {
    "unit_uids": ["hosts/Server1/DeviceIpint.10/VideoChannel.0"]
  }
}
```

:

```

{
    "uid": "hosts/Server1/DeviceIpint.10/VideoChannel.0",
    "display_id": "0",
    "type": "VideoChannel",
    "display_name": "",
    "access_point": "",
    "properties": [
        {
            "id": "channel_id",
            "name": "",
            "type": "int32",
            "readonly": true,
            "value_int32": 0
        },
        {
            "id": "display_name",
            "name": "Display name",
            "type": "string",
            "readonly": false,
            "value_string": "axis"
        },
        {
            "id": "comment",
            "name": "Comment",
            "type": "string",
            "readonly": false,
            "value_string": ""
        },
        {
            "id": "enabled",
            "name": "Enable VideoChannel",
            "type": "bool",
            "readonly": false,
            "value_bool": true
        },
        {
            "id": "brightness",
            "name": "",
            "type": "int32",
            "readonly": false,
            "range_constraint": {},
            "value_int32": 50
        },
        {
            "id": "contrast",
            "name": "",
            "type": "int32",
            "readonly": false,
            "range_constraint": {},
            "value_int32": 50
        },
        {
            "id": "digitalPtz",
            "name": "",
            "type": "bool",
            "readonly": false,
            "value_bool": false
        },
        {
            "id": "flickerfree",
            "name": "",
            "type": "string",
            "readonly": false,
            "enum_constraint": {},
            "value_string": "auto"
        },
        {
            "id": "imageFlip",
            "name": "",
            "type": "int32",

```

```

        "readonly": false,
        "enum_constraint": {},
        "value_int32": 0
    },
    {
        "id": "maxZoom",
        "name": "",
        "type": "int32",
        "readonly": false,
        "enum_constraint": {},
        "value_int32": 250
    },
    {
        "id": "saturation",
        "name": "",
        "type": "int32",
        "readonly": false,
        "range_constraint": {},
        "value_int32": 50
    },
    {
        "id": "sharpness",
        "name": "",
        "type": "int32",
        "readonly": false,
        "range_constraint": {},
        "value_int32": 50
    }
],
"units": [
    {
        "uid": "hosts/Server1/DeviceIpint.10/VideoChannel.0/Streaming.0",
        "display_id": "0",
        "type": "Streaming",
        "display_name": "",
        "access_point": "",
        "properties": [],
        "units": [],
        "factory": [],
        "destruction_args": [],
        "discoverable": false,
        "status": "UNIT_STATUS_ACTIVE",
        "stripped": false,
        "opaque_params": [],
        "assigned_templates": []
    },
    {
        "uid": "hosts/Server1/DeviceIpint.10/VideoChannel.0/Streaming.1",
        "display_id": "1",
        "type": "Streaming",
        "display_name": "",
        "access_point": "",
        "properties": [],
        "units": [],
        "factory": [],
        "destruction_args": [],
        "discoverable": false,
        "status": "UNIT_STATUS_ACTIVE",
        "stripped": false,
        "opaque_params": [],
        "assigned_templates": []
    },
    {
        "uid": "hosts/Server1/DeviceIpint.10/VideoChannel.0/Detector.motion_detection",
        "display_id": "motion_detection",
        "type": "Detector",
        "display_name": "",
        "access_point": "",
        "properties": [],
        "units": [],
        "factory": [],

```

```

        "destruction_args": [],
        "discoverable": false,
        "status": "UNIT_STATUS_INACTIVE",
        "stripped": false,
        "opaque_params": [],
        "assigned_templates": []
    },
    {
        "uid": "hosts/Server1/DeviceIpint.10/VideoChannel.0/Detector.tampering_detection",
        "display_id": "tampering_detection",
        "type": "Detector",
        "display_name": "",
        "access_point": "",
        "properties": [],
        "units": [],
        "factory": [],
        "destruction_args": [],
        "discoverable": false,
        "status": "UNIT_STATUS_INACTIVE",
        "stripped": false,
        "opaque_params": [],
        "assigned_templates": []
    },
    {
        "uid": "hosts/Server1/DeviceIpint.10/VideoChannel.0/Detector.audio_detection",
        "display_id": "audio_detection",
        "type": "Detector",
        "display_name": "",
        "access_point": "",
        "properties": [],
        "units": [],
        "factory": [],
        "destruction_args": [],
        "discoverable": false,
        "status": "UNIT_STATUS_INACTIVE",
        "stripped": false,
        "opaque_params": [],
        "assigned_templates": []
    }
],
"factory": [],
"destruction_args": [],
"discoverable": false,
"status": "UNIT_STATUS_ACTIVE",
"stripped": false,
"opaque_params": [],
"assigned_templates": []
}

```

properties , , .

:


```

{
  "method": "axxonsoft.bl.config.ConfigurationService.ChangeConfig",
  "data": {
    "added": [
      {
        "uid": "hosts/Server1",
        "units": [
          {
            "type": "DeviceIpint",
            "units": [],
            "properties": [
              {
                "id": "vendor",
                "value_string": "ITV",
                "properties": [
                  {
                    "id": "model",
                    "value_string": "Virtual",
                    "properties": []
                  }
                ]
              },
              {
                "id": "display_name",
                "value_string": "newOrder2",
                "properties": []
              },
              {
                "id": "blockingConfiguration",
                "value_bool": false,
                "properties": []
              },
              {
                "id": "display_id",
                "value_string": "199"
              }
            ]
          }
        ]
      }
    ]
  }
}

```

uid , .

,

```

{
  "failed": [],
  "added": ["hosts/Server1/DeviceIpint.199"]
}

```

199 **id** .



id **display_id** .

```

{
  "method": "axxonsoft.bl.config.ConfigurationService.ChangeConfig",
  "data": {
    "added": {
      "uid": "hosts/Server1",
      "units": {
        "type": "AVDetector",
        "properties": [
          {
            "id": "display_name",
            "value_string": "Object tracker"
          },
          {
            "id": "input",
            "value_string": "Video",
            "properties": [
              {
                "id": "camera_ref",
                "value_string": "hosts/Server1/DeviceIpint.200/SourceEndpoint.video:0:0",
                "properties": [
                  {
                    "id": "streaming_id",
                    "value_string": "hosts/Server1/DeviceIpint.200/SourceEndpoint.video:0:0"
                  }
                ]
              }
            ]
          },
          {
            "id": "detector",
            "value_string": "SceneDescription"
          }
        ]
      }
    }
  }
}

```

```

{
  "method": "axxonsoft.bl.config.ConfigurationService.ChangeConfig",
  "data": {
    "added": {
      "uid": "hosts/Server1",
      "units": {
        "type": "AppDataDetector",
        "properties": [
          {
            "id": "display_name",
            "value_string": "AppDataDetectorMoveInZone"
          },
          {
            "id": "input",
            "value_string": "TargetList",
            "properties": [
              {
                "id": "camera_ref",
                "value_string": "hosts/Server1/DeviceIpint.200/SourceEndpoint.video:0:0",
                "properties": [
                  {
                    "id": "streaming_id",
                    "value_string": "hosts/Server1/AVDetector.1/SourceEndpoint.vmda"
                  }
                ]
              }
            ],
            {
              "id": "detector",
              "value_string": "MoveInZone"
            }
          ]
        }
      ]
    }
  }
}

```

```

{
  "method": "axxonsoft.bl.config.ConfigurationService.ChangeConfig",
  "data": {
    "changed": [
      {
        "uid": "hosts/Server1/DeviceIpint.199/VideoChannel.0/Streaming.0",
        "type": "Streaming",
        "properties": [
          {
            "id": "folder",
            "value_string": "D:/Video"
          }
        ],
        "opaque_params": []
      }
    ]
  }
}

```

/

unit enabled.

:

```
{
  "method": "axxonsoft.bl.config.ConfigurationService.ChangeConfig",
  "data": {
    "changed": [ {
      "uid": "hosts/Server1/DeviceIpint.10/Microphone.0",
      "type": "Microphone",
      "properties": [ {
        "id": "enabled",
        "value_bool": true
      } ],
      "units": []
    } ]
  }
}
```

```
{
  "method": "axxonsoft.bl.config.ConfigurationService.ChangeConfig",
  "data": {
    "removed": [
      {
        "uid": "hosts/Server1/DeviceIpint.199"
      }
    ]
  }
}
```