SENSTAR™

Senstar Senstar Symphony API

7.6.x

Developer Guide

Contents

/cameras....4
GET /cameras....4
POST /cameras....4
PUT /cameras....6
GET /cameras/{camera_id}....11
PUT /cameras/{camera_id}/license....14
GET /cameras/{camera_id}/storage....14
PUT /cameras/{camera_id}/storage....15
POST /cameras/delete....15
POST /cameras/detect....15
POST /cameras/server/{server_id}....17

/devices....18
GET /devices....18
PUT /devices....19
POST /devices/connect....20
POST /devices/delete....22

/events....23
GET /events....23
GET /events/{start_yyyyMMddHHmmss}/{end_yyyyMMddHHmmss}....23

/rules....24
GET /rules....24
POST /rules....24
DELETE /rules....25
GET /rules/{rule_id}....25
PUT /rules/{rule_id}....28
POST /rules/byguids....28
POST /rules/bydevice....31
POST /rules/enable....32
POST /rules/disable....32
GET /rules/actionsets....32
POST /rules/actionsets....34
GET /rules/actionsets/basic....36
GET /rules/actionsets/{actionset_id}....37
DELETE /rules/actionsets/{actionset_id}....39
PUT /rules/actionsets/{actionset_id}....39
GET /rules/events....39
POST /rules/events....40
DELETE /rules/events....41
GET /rules/events/basic....41
GET /rules/events/{event_id}....41
PUT /rules/events/{event_id}....42

/schedules....43
GET /schedules....43
POST /schedules....44

DELETE /schedules..... 44
GET /schedules/{schedule_id}..... 44
PUT /schedules/{schedule_id}.....44

/security.....46
PUT /security/permissions/{target_device_ID}/copy/{source_device_id}..... 46
PUT /security/permissions/{device_id}..... 46
GET /security/rights/{resource_id}.....46
GET /security/profiles..... 48
PUT /security/profiles..... 48
POST /security/profiles/{profile_id}.....49
DELETE /security/profiles/{profile_id}.....49
GET /security/profiles/{profile_id}/permissions/{user_id}/resources/{camera_id}.....49
GET /security/profiles/{profile_id}/permissions/{user_id}/resources/site..... 54

/devicegroups.....67
GET /devicegroups.....67
PUT /devicegroups/devicetree..... 67

/videowalls.....70
GET /videowalls.....70
GET /videowalls/{videowall_id}.....70
GET /videowalls/groups.....71
GET /videowalls/panels/{videowall_name}.....71
PUT /videowalls/switchpanel/{panel_name}/{camera_id}.....71
PUT /videowalls/switchpanel/{panel_name}/{camera_id}/{time_ms}/play_boolean..... 72
PUT /videowalls/changePanelCount/{panel_name}/{panel_count}..... 72
PUT /videowalls/navigatepanel/{panel_name}/{navigation_command}.....72
PUT /videowalls/switchmonitor/{videowall_id}/{mac_address}/{port}/{monitor_id}/{camera_id}.....73
PUT /videowalls/switchMonitorHistorical/{videowall_id}/{mac_address}/{port}/{monitor_id}/{camera_id}/{milliseconds}/{play_boolean}.....73
POST /videowalls/createmultiview/{ip_address}/{x}/{y}/{fullscreen_panel_id}.....73
GET /videowalls/cameraOnPanel/{videowall_name}/{panel_name}..... 73

/site.....74
GET /site/sharedViews..... 74
POST /site/sharedViews.....79
PUT /site/sharedViews/NewSharedViewName..... 84
DELETE /site/sharedViews/{shared_view_name}.....89

Legal information..... 90

/cameras

Camera and devices API

GET /cameras

A **GET** request retrieves a list of all cameras.

```
curl https://127.0.0.1/api/cameras
```

Query string parameters

Parameter	Description
search	This parameter allows you to search for cameras with specific text in the camera name. For example: `curl https://127.0.0.1/api/cameras?search=AXIS`

Example of output:


```
{
  "currentPage": 0,
  "pageCount": 1,
  "items": [
    {
      "id": "620de7b5-d32e-45c8-876e-1135e3bc5c15",
      "status": 3,
      "deviceIndex": 162,
      "name": "211_10.234.2.191",
      "serverId": 5000,
      "serverName": "DEV-EAVIS",
      "type": "Fixed",
      "ipAddress": "10.234.2.191",
      "url": "http://10.234.2.191:80/",
      "port": 80,
      "brand": "Axis",
      "model": "AXIS 211",
      "template": "Default",
      "resolution": "640 x 480",
      "frameRate": 5.0,
      "groups": "",
      "groupIds": ["82bec52a-32aa-4997-8df4-c78d8a7c72c0"],
      "analyticLicenseObtained": "None",
      "parentName": "",
      "channelId": 0,
      "hasAlgorithm": false,
      "activeInputs": 0,
      "supportsDIO": true,
      "supportsCameraTamper": false,
      "supportsMotionDetection": true,
      "canEdit": true,
      "canDelete": true
    },
 ],
  "totalCount": 1
}
```


POST /cameras

A **POST** request adds a list of cameras.

```
curl https://127.0.0.1/api/cameras
    -X POST
```

```
    -H "Content-Type: application/json"
    --data-binary "@.\AddCamerasBody.txt"
```

Example of `AddCamerasBody.txt`:

```
[
 {
  "name": "New Camera Name",
  "username": "root",
  "password": "toor",
  "ipAddress": "10.234.11.27",
  "url": "http://10.234.11.27:80/",
  "brand": "Axis",
  "model": "AXIS Q3518",
  "template": "Default",
  "server": "5000",
  "group": "82bec52a-32aa-4997-8df4-c78d8a7c72c0",
  "license" : "None",
  "detectionXml": "<DeviceCapabilities>
                   <Status>OK</Status>
                    <Manufacturer name='Axis'>
                    <Model name='AXIS Q3518' type='Fixed Camera' >
                        <Video>1</Video>
                        <Network>1</Network>
                        <devname>VideoRecvAxis</devname>
                        <DefaultUsername>root</DefaultUsername>
                        <Firmware_Version>8.25.5</Firmware_Version>
                        <HTTP_Version>3</HTTP_Version>
                        <FrameRate default='5'>All</FrameRate>
                        <ImageFormat default='H264 Over HTTP'>MJPG,H264 Unicast,H264
 Multicast,H264 Over TCP,H264
                        Over HTTP,H264 Over HTTPS</ImageFormat>
                        <Rotation>180</Rotation>
                        <Metadata>1</Metadata>
                        <Resolution
 default='1920x1080'>3840x2160,3072x1728,2880x2160,2688x1512,2592x1944,2560x1440,

 2304x1728,2048x1536,2016x1512,1920x1080,1600x1200,1400x1050,1280x960,1280x720,1024x768,

 800x600,800x450,640x480,640x360,480x360,320x240,320x180,240x180,160x120</Resolution>
                        <Audio>2</Audio>
                        <AudioSupport>MPG4,H264,H265</AudioSupport>
                        <AudioCodec>g711</AudioCodec>
                <AudioBitrate>64000</AudioBitrate><AudioSamplerate>48000</
AudioSamplerate><AudioOutCodec>
                g711</AudioOutCodec><XmlOption>DIO=1</XmlOption><DIONumInputs>2</
DIONumInputs><DIONumOutputs>
                0</DIONumOutputs><MultiStream>1</MultiStream><MotionDetection>1</
MotionDetection>
                <DirectConnect>1</DirectConnect><ChangeFPS>1</ChangeFPS><AppList><application
 Name='fenceguard'
                NiceName='AXIS Fence Guard' Vendor='Axis Communications' Version='2.1-0'
 ApplicationID='47775'
                License='None' Status='Stopped' ConfigurationPage='local/fenceguard/
config.html'
                VendorHomePage='http://www.axis.com'/><application Name='loiteringguard'
 NiceName='AXIS
                Loitering Guard' Vendor='Axis Communications' Version='2.1-0'
 ApplicationID='46775'
                License='None' Status='Stopped' ConfigurationPage='local/loiteringguard/
config.html'
                VendorHomePage='http://www.axis.com'/><application Name='motionguard'
 NiceName='AXIS
                Motion Guard' Vendor='Axis Communications' Version='2.1-0' ApplicationID='48170'
 License='None'
                Status='Stopped' ConfigurationPage='local/motionguard/config.html'
                VendorHomePage='http://www.axis.com'/><application Name='vmd' NiceName='AXIS
 Video Motion
                Detection' Vendor='Axis Communications' Version='4.2-1' ApplicationID='143440'
 License='None'
                Status='Stopped' ConfigurationPage='local/vmd/config.html'
 VendorHomePage='http://www.axis.com'/>
                </AppList></Model></Manufacturer></DeviceCapabilities>",
  "cameraType": "Fixed",
 },
]
```

Example output:

```
[
  {
    "ipAddress": "10.234.11.27",
    "url": "http://10.234.11.27:80/",
    "port": 0,
    "id": "6987f9b5-c9d9-465c-a3ea-dabb0f61012d"
  },
  {
    "ipAddress": "211_10.234.2.191",
    "url": "http://10.234.2.191:80/",
    "port": 0,
    "id": "d82fa21d-b816-40c9-876d-af923f38a0dd"
  }
]
```

PUT /cameras

A **PUT** request updates the properties for a camera.

```
curl https://127.0.0.1/api/cameras
    -X PUT
    -H "Content-Type: application/json"
    --data-binary "@.\UpdateCamerasBody.txt"
```

Example of `UpdateCamerasBody.txt`:

```
[
{
  "macAddress": "",
  "shortcode": "A code for the camera",
  "description": "A description of the camera",
  "url": "http://10.234.11.27:80/",
  "port": "80",
  "rtspPort": 0,
  "status": "OK",
  "dataPath": "c:\\data",
  "cameraType": "Fixed",
  "movable": true,
  "policy": null,
  "panoramicEnabled": false,
  "panoramicType": "",
  "panoramicPosition": 1,
  "ptzAddress": "",
  "ptzName": "",
  "ptzBaudRate": "",
  "forcePTZPriority": 25,
  "autoPTZPriority": 25,
  "ptzMaxLockedMinutes": "5",
  "ptzComPort": "",
  "defaultResolution": "1920 x 1080",
  "defaultFrameRate": "5",
  "rotation": 180,
  "alarmFrameRate": 0,
  "alarmFrameRateEnabled": false,
  "supportDirectConnect": false,
  "enableAudioIn": false,
  "enableAudioOut": false,
  "templateId": "44656661-756c-7420-5465-6d706c617465",
  "parentName": "",
  "parentInput": 0,
  "recompress": false,
  "licenseRequested": "OutdoorTracking",
  "licenseObtained": "OutdoorTracking",
  "isVmsLicensed": true,
  "maxStorageDays": null,
  "allResolutions": [
    "3840 x 2160",
    "3072 x 1728",
    "2880 x 2160",
    "2688 x 1512",
    "2592 x 1944",
    "2560 x 1440",
    "2304 x 1728",
```

```
    "2048 x 1536",
    "2016 x 1512",
    "1920 x 1080",
    "1600 x 1200",
    "1400 x 1050",
    "1280 x 960",
    "1280 x 720",
    "1024 x 768",
    "800 x 600",
    "800 x 450",
    "640 x 480",
    "640 x 360",
    "480 x 360",
    "320 x 240",
    "320 x 180",
    "240 x 180",
    "160 x 120"
  ],
  "allFormats": [
    "MJPG",
    "H264 Unicast",
    "H264 Multicast",
    "H264 Over TCP",
    "H264 Over HTTP",
    "H264 Over HTTPS"
  ],
  "allFrameRates": [
    "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"
  ],
  "enableAuxiliary": false,
  "auxiliaryCommands": [],
  "streams": [
    {
      "streamNumber": 1,
      "resolution": "1920 x 1080",
      "frameRate": 5.0,
      "codec": "H264",
      "transport": "HTTP",
      "bitRate": 300,
      "keyFrameEvery": 10,
      "recordingEnabled": true,
      "detectMotion": false,
      "detectionByCamera": false,
      "alwaysRecording": true,
      "recordAudio": 32,
      "recordOverride": null,
      "preAlarmRecording": 15,
      "postAlarmRecording": 15,
      "rotation": 0,
      "scheduleId": -1,
      "analyticsStream": false
```

```
    }
  ],
  "hasAlgorithm": true,
  "isRelativePTZ": false,
  "typeName": "camera",
  "id": "b82e76d3-ff55-44f2-9a58-64001eb4a614",
  "deviceId": 204,
  "securityId": "b82e76d3-ff55-44f2-9a58-64001eb4a614",
  "groupIds": [
    "82bec52a-32aa-4997-8df4-c78d8a7c72c0",
    "cf1583cd-88fa-4cd1-8635-2258a98f8560"
  ],
  "groupNames": [
    "",
    "FirstGroup"
  ],
  "name": "Q3518_10.234.11.27",
  "username": "root",
  "password": "toor",
  "serverId": 5000,
  "serverName": "DEV-EAVIS",
  "brand": "Axis",
  "model": "AXIS Q3518",
  "ipAddress": "10.234.11.27",
  "detectionXml": "<DeviceCapabilities><Status>OK</Status><Manufacturer
 name='Axis'><Model name='AXIS Q3518' type='Fixed Camera' ><Video>1</
Video><Network>1</Network><devname>VideoRecvAxis</devname><DefaultUsername>root</
DefaultUsername><Firmware_Version>8.25.5</Firmware_Version><HTTP_Version>3</
HTTP_Version><FrameRate default='5'>All</FrameRate><ImageFormat default='H264
 Over HTTP'>MJPG,H264 Unicast,H264 Multicast,H264 Over TCP,H264 Over HTTP,H264
 Over HTTPS</ImageFormat><Rotation>180</Rotation><Metadata>1</Metadata><Resolution
 default='1920x1080'>3840x2160,3072x1728,2880x2160,2688x1512,2592x1944,2560x1440,2304x1728,2048x1536,2016x151
Resolution><Audio>2</Audio><AudioSupport>MPG4,H264,H265</AudioSupport><AudioCodec>g711</
AudioCodec><AudioBitrate>64000</AudioBitrate><AudioSamplerate>48000</
AudioSamplerate><AudioOutCodec>g711</AudioOutCodec><XmlOption>DIO=1</XmlOption><DIONumInputs>2</
DIONumInputs><DIONumOutputs>0</DIONumOutputs><MultiStream>1</MultiStream><MotionDetection>1</
MotionDetection><DirectConnect>1</DirectConnect><ChangeFPS>1</ChangeFPS><AppList><application
 Name='fenceguard' NiceName='AXIS Fence Guard' Vendor='Axis Communications' Version='2.1-0'
 ApplicationID='47775' License='None' Status='Stopped' ConfigurationPage='local/fenceguard/
config.html' VendorHomePage='http://www.axis.com'/><application Name='loiteringguard'
 NiceName='AXIS Loitering Guard' Vendor='Axis Communications' Version='2.1-0'
 ApplicationID='46775' License='None' Status='Stopped' ConfigurationPage='local/loiteringguard/
config.html' VendorHomePage='http://www.axis.com'/><application Name='motionguard'
 NiceName='AXIS Motion Guard' Vendor='Axis Communications' Version='2.1-0' ApplicationID='48170'
 License='None' Status='Stopped' ConfigurationPage='local/motionguard/config.html'
 VendorHomePage='http://www.axis.com'/><application Name='vmd' NiceName='AXIS Video Motion
 Detection' Vendor='Axis Communications' Version='4.2-1' ApplicationID='143440' License='None'
 Status='Stopped' ConfigurationPage='local/vmd/config.html' VendorHomePage='http://
www.axis.com'/></AppList></Model></Manufacturer></DeviceCapabilities>",
  "digitalInputs": [
    {
      "id": "100ffaa1-aee5-4549-a8f1-1f97ad5eff3a",
      "name": "FirstInput",
      "isDefaultName": false,
      "moduleNumber": 0,
      "number": 0,
      "inUse": true
    },
    {
      "id": "d4d22ebf-a016-4d66-a409-7b6f9afb669b",
      "name": "Input 2",
      "isDefaultName": true,
      "moduleNumber": 0,
      "number": 1,
      "inUse": false
    }
  ],
  "digitalOutputs": [],
  "canEdit": true,
  "canDelete": true,
  "supportsDIO": false
},

{
  "macAddress": "",
  "shortcode": "A code for the camera",
  "description": "A description of the camera",
  "url": "http://10.234.11.27:80/",
  "port": "80",
  "rtspPort": 0,
```

```
  "status": "OK",
  "dataPath": "c:\\data",
  "cameraType": "Fixed",
  "movable": true,
  "policy": null,
  "panoramicEnabled": false,
  "panoramicType": "",
  "panoramicPosition": 1,
  "ptzAddress": "",
  "ptzName": "",
  "ptzBaudRate": "",
  "forcePTZPriority": 25,
  "autoPTZPriority": 25,
  "ptzMaxLockedMinutes": "5",
  "ptzComPort": "",
  "defaultResolution": "1920 x 1080",
  "defaultFrameRate": "5",
  "rotation": 180,
  "alarmFrameRate": 0,
  "alarmFrameRateEnabled": false,
  "supportDirectConnect": false,
  "enableAudioIn": false,
  "enableAudioOut": false,
  "templateId": "44656661-756c-7420-5465-6d706c617465",
  "parentName": "",
  "parentInput": 0,
  "recompress": false,
  "licenseRequested": "OutdoorTracking",
  "licenseObtained": "OutdoorTracking",
  "isVmsLicensed": true,
  "maxStorageDays": null,
  "allResolutions": [
    "3840 x 2160",
    "3072 x 1728",
    "2880 x 2160",
    "2688 x 1512",
    "2592 x 1944",
    "2560 x 1440",
    "2304 x 1728",
    "2048 x 1536",
    "2016 x 1512",
    "1920 x 1080",
    "1600 x 1200",
    "1400 x 1050",
    "1280 x 960",
    "1280 x 720",
    "1024 x 768",
    "800 x 600",
    "800 x 450",
    "640 x 480",
    "640 x 360",
    "480 x 360",
    "320 x 240",
    "320 x 180",
    "240 x 180",
    "160 x 120"
  ],
  "allFormats": [
    "MJPG",
    "H264 Unicast",
    "H264 Multicast",
    "H264 Over TCP",
    "H264 Over HTTP",
    "H264 Over HTTPS"
  ],
  "allFrameRates": [
    "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"
    ],
    "enableAuxiliary": false,
    "auxiliaryCommands": [],
    "streams": [
      {
        "streamNumber": 1,
        "resolution": "1920 x 1080",
        "frameRate": 5.0,
        "codec": "H264",
        "transport": "HTTP",
        "bitRate": 300,
        "keyFrameEvery": 10,
        "recordingEnabled": true,
        "detectMotion": false,
        "detectionByCamera": false,
        "alwaysRecording": true,
        "recordAudio": 32,
        "recordOverride": null,
        "preAlarmRecording": 15,
        "postAlarmRecording": 15,
        "rotation": 0,
        "scheduleId": -1,
        "analyticsStream": false
      }
    ],
    "hasAlgorithm": true,
    "isRelativePTZ": false,
    "typeName": "camera",
    "id": "0E193D07-D6AB-49FE-8A2A-009E1A1750C0",
    "deviceId": 153,
    "securityId": "0E193D07-D6AB-49FE-8A2A-009E1A1750C0",
    "groupIds": [
      "82bec52a-32aa-4997-8df4-c78d8a7c72c0",
      "cf1583cd-88fa-4cd1-8635-2258a98f8560"
    ],
    "groupNames": [
      "",
      "FirstGroup"
    ],
    "name": "Q3518_10.234.11.27",
    "username": "root",
    "password": "toor",
    "serverId": 5000,
    "serverName": "DEV-EAVIS",
    "brand": "Axis",
    "model": "AXIS Q3518",
    "ipAddress": "10.234.11.27",
    "detectionXml": "<DeviceCapabilities><Status>OK</Status><Manufacturer
 name='Axis'><Model name='AXIS Q3518' type='Fixed Camera' ><Video>1</
Video><Network>1</Network><devname>VideoRecvAxis</devname><DefaultUsername>root</
DefaultUsername><Firmware_Version>8.25.5</Firmware_Version><HTTP_Version>3</
HTTP_Version><FrameRate default='5'>All</FrameRate><ImageFormat default='H264
 Over HTTP'>MJPG,H264 Unicast,H264 Multicast,H264 Over TCP,H264 Over HTTP,H264
 Over HTTPS</ImageFormat><Rotation>180</Rotation><Metadata>1</Metadata><Resolution
 default='1920x1080'>3840x2160,3072x1728,2880x2160,2688x1512,2592x1944,2560x1440,2304x1728,2048x1536,2016x151
Resolution><Audio>2</Audio><AudioSupport>MPG4,H264,H265</AudioSupport><AudioCodec>g711</
AudioCodec><AudioBitrate>64000</AudioBitrate><AudioSamplerate>48000</
AudioSamplerate><AudioOutCodec>g711</AudioOutCodec><XmlOption>DIO=1</XmlOption><DIONumInputs>2</
DIONumInputs><DIONumOutputs>0</DIONumOutputs><MultiStream>1</MultiStream><MotionDetection>1</
MotionDetection><DirectConnect>1</DirectConnect><ChangeFPS>1</ChangeFPS><AppList><application
 Name='fenceguard' NiceName='AXIS Fence Guard' Vendor='Axis Communications' Version='2.1-0'
 ApplicationID='47775' License='None' Status='Stopped' ConfigurationPage='local/fenceguard/
config.html' VendorHomePage='http://www.axis.com'/><application Name='loiteringguard'
 NiceName='AXIS Loitering Guard' Vendor='Axis Communications' Version='2.1-0'
```

```
 ApplicationID='46775' License='None' Status='Stopped' ConfigurationPage='local/loiteringguard/
config.html' VendorHomePage='http://www.axis.com'/><application Name='motionguard'
 NiceName='AXIS Motion Guard' Vendor='Axis Communications' Version='2.1-0' ApplicationID='48170'
 License='None' Status='Stopped' ConfigurationPage='local/motionguard/config.html'
 VendorHomePage='http://www.axis.com'/><application Name='vmd' NiceName='AXIS Video Motion
 Detection' Vendor='Axis Communications' Version='4.2-1' ApplicationID='143440' License='None'
 Status='Stopped' ConfigurationPage='local/vmd/config.html' VendorHomePage='http://
www.axis.com'/></AppList></Model></Manufacturer></DeviceCapabilities>",
  "digitalInputs": [
    {
      "id": "100ffaa1-aee5-4549-a8f1-1f97ad5eff3a",
      "name": "FirstInput",
      "isDefaultName": false,
      "moduleNumber": 0,
      "number": 0,
      "inUse": true
    },
    {
      "id": "d4d22ebf-a016-4d66-a409-7b6f9afb669b",
      "name": "Input 2",
      "isDefaultName": true,
      "moduleNumber": 0,
      "number": 1,
      "inUse": false
    }
  ],
  "digitalOutputs": [],
  "canEdit": true,
  "canDelete": true,
  "supportsDIO": false
}
]
```


GET /cameras/{camera_id}

A **GET** request retrieves the details for a specific camera (*camera_id*).

```
curl https://127.0.0.1/api/cameras/B82E76D3-FF55-44F2-9A58-64001EB4A614
```

Example output:


```
{
  "macAddress": "",
  "shortcode": "A code for the camera",
  "description": "A description of the camera",
  "url": "http://10.234.11.27:80/",
  "port": "80",
  "rtspPort": 0,
  "status": "OK",
  "dataPath": "c:\\data",
  "cameraType": "Fixed",
  "movable": true,
  "policy": null,
  "panoramicEnabled": false,
  "panoramicType": "",
  "panoramicPosition": 1,
  "ptzAddress": "",
  "ptzName": "",
  "ptzBaudRate": "",
  "forcePTZPriority": 25,
  "autoPTZPriority": 25,
  "ptzMaxLockedMinutes": "5",
  "ptzComPort": "",
  "defaultResolution": "1920 x 1080",
  "defaultFrameRate": "5",
  "rotation": 180,
  "alarmFrameRate": 0,
  "alarmFrameRateEnabled": false,
  "supportDirectConnect": false,
  "enableAudioIn": false,
  "enableAudioOut": false,
  "templateId": "44656661-756c-7420-5465-6d706c617465",
  "parentName": "",
  "parentInput": 0,
  "recompress": false,
  "licenseRequested": "OutdoorTracking",
```

```
  "licenseObtained": "OutdoorTracking",
  "isVmsLicensed": true,
  "maxStorageDays": null,
  "allResolutions": [
    "3840 x 2160",
    "3072 x 1728",
    "2880 x 2160",
    "2688 x 1512",
    "2592 x 1944",
    "2560 x 1440",
    "2304 x 1728",
    "2048 x 1536",
    "2016 x 1512",
    "1920 x 1080",
    "1600 x 1200",
    "1400 x 1050",
    "1280 x 960",
    "1280 x 720",
    "1024 x 768",
    "800 x 600",
    "800 x 450",
    "640 x 480",
    "640 x 360",
    "480 x 360",
    "320 x 240",
    "320 x 180",
    "240 x 180",
    "160 x 120"
  ],
  "allFormats": [
    "MJPG",
    "H264 Unicast",
    "H264 Multicast",
    "H264 Over TCP",
    "H264 Over HTTP",
    "H264 Over HTTPS"
  ],
  "allFrameRates": [
    "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"
  ],
  "enableAuxiliary": false,
  "auxiliaryCommands": [],
  "streams": [
    {
      "streamNumber": 1,
      "resolution": "1920 x 1080",
      "frameRate": 5.0,
      "codec": "H264",
      "transport": "HTTP",
      "bitRate": 300,
      "keyFrameEvery": 10,
```

```
      "recordingEnabled": true,
      "detectMotion": false,
      "detectionByCamera": false,
      "alwaysRecording": true,
      "recordAudio": 32,
      "recordOverride": null,
      "preAlarmRecording": 15,
      "postAlarmRecording": 15,
      "rotation": 0,
      "scheduleId": -1,
      "analyticsStream": false
    }
  ],
  "hasAlgorithm": true,
  "isRelativePTZ": false,
  "typeName": "camera",
  "id": "b82e76d3-ff55-44f2-9a58-64001eb4a614",
  "deviceId": 204,
  "securityId": "b82e76d3-ff55-44f2-9a58-64001eb4a614",
  "groupIds": [
    "82bec52a-32aa-4997-8df4-c78d8a7c72c0",
    "cf1583cd-88fa-4cd1-8635-2258a98f8560"
  ],
  "groupNames": [
    "",
    "FirstGroup"
  ],
  "name": "Q3518_10.234.11.27",
  "username": "root",
  "password": "toor",
  "serverId": 5000,
  "serverName": "DEV-EAVIS",
  "brand": "Axis",
  "model": "AXIS Q3518",
  "ipAddress": "10.234.11.27",
  "detectionXml": "<DeviceCapabilities><Status>OK</Status><Manufacturer
 name='Axis'><Model name='AXIS Q3518' type='Fixed Camera' ><Video>1</
Video><Network>1</Network><devname>VideoRecvAxis</devname><DefaultUsername>root</
DefaultUsername><Firmware_Version>8.25.5</Firmware_Version><HTTP_Version>3</
HTTP_Version><FrameRate default='5'>All</FrameRate><ImageFormat default='H264
 Over HTTP'>MJPG,H264 Unicast,H264 Multicast,H264 Over TCP,H264 Over HTTP,H264
 Over HTTPS</ImageFormat><Rotation>180</Rotation><Metadata>1</Metadata><Resolution
 default='1920x1080'>3840x2160,3072x1728,2880x2160,2688x1512,2592x1944,2560x1440,2304x1728,2048x1536,2016x151
Resolution><Audio>2</Audio><AudioSupport>MPG4,H264,H265</AudioSupport><AudioCodec>g711</
AudioCodec><AudioBitrate>64000</AudioBitrate><AudioSamplerate>48000</
AudioSamplerate><AudioOutCodec>g711</AudioOutCodec><XmlOption>DIO=1</XmlOption><DIONumInputs>2</
DIONumInputs><DIONumOutputs>0</DIONumOutputs><MultiStream>1</MultiStream><MotionDetection>1</
MotionDetection><DirectConnect>1</DirectConnect><ChangeFPS>1</ChangeFPS><AppList><application
 Name='fenceguard' NiceName='AXIS Fence Guard' Vendor='Axis Communications' Version='2.1-0'
 ApplicationID='47775' License='None' Status='Stopped' ConfigurationPage='local/fenceguard/
config.html' VendorHomePage='http://www.axis.com'/><application Name='loiteringguard'
 NiceName='AXIS Loitering Guard' Vendor='Axis Communications' Version='2.1-0'
 ApplicationID='46775' License='None' Status='Stopped' ConfigurationPage='local/loiteringguard/
config.html' VendorHomePage='http://www.axis.com'/><application Name='motionguard'
 NiceName='AXIS Motion Guard' Vendor='Axis Communications' Version='2.1-0' ApplicationID='48170'
 License='None' Status='Stopped' ConfigurationPage='local/motionguard/config.html'
 VendorHomePage='http://www.axis.com'/><application Name='vmd' NiceName='AXIS Video Motion
 Detection' Vendor='Axis Communications' Version='4.2-1' ApplicationID='143440' License='None'
 Status='Stopped' ConfigurationPage='local/vmd/config.html' VendorHomePage='http://
www.axis.com'/></AppList></Model></Manufacturer></DeviceCapabilities>",
  "digitalInputs": [
    {
      "id": "100ffaa1-aee5-4549-a8f1-1f97ad5eff3a",
      "name": "FirstInput",
      "isDefaultName": false,
      "moduleNumber": 0,
      "number": 0,
      "inUse": true
    },
    {
      "id": "d4d22ebf-a016-4d66-a409-7b6f9afb669b",
      "name": "Input 2",
      "isDefaultName": true,
      "moduleNumber": 0,
      "number": 1,
      "inUse": false
    }
  ],
  "digitalOutputs": [],
  "canEdit": true,
```

```
  "canDelete": true,
  "supportsDIO": false
}
```

PUT /cameras/{camera_id}/license

A **PUT** request updates the license for a specific camera (*camera_id*).

```
curl https://127.0.0.1/api/cameras/B82E76D3-FF55-44F2-9A58-64001EB4A614/license
    -X PUT
    -H "Content-Type: text/plain"
    -d 'OutdoorTracking'
```

License values

None	IndoorTracking{*language*}
OutdoorTracking	LeftAndRemovedItemDetection
LeftAndRemovedItemDetection{*language*}	LeftAndRemovedItemTracking{*language*}
PTZAutoTracking	LicensePlateAIR
License PlateAIR{*language*}	LicensePlate{*language*}
FacialRecognition	CrowdDetection
CrowdDetection{*language*}	AllAnalytics{*language*}
IndoorTracking	LicensePlate
OutdoorTracking{*language*}	FacialRecognition{*language*}
LeftAndRemovedItemTracking	AllAnalytics
PTZAutoTracking{*language*}	

GET /cameras/{camera_id}/storage

A **GET** request returns the storage information for a specific camera (*camera_id*).

```
curl https://127.0.0.1/api/cameras/8EC29AB1-5681-4BD3-9C6E-055F57549C22/storage
```

Example output:

```
{
  "cameraSecurityId": "8ec29ab1-5681-4bd3-9c6e-055f57549c22",
  "serverId": 5000,
  "storagePaths": [],
  "maxVideoStorageDays": [],
  "serverStoragePaths": [
    {
      "path": "c:\\data",
      "forceRead": false
    }
  ],
  "serverLimitVideoStorageDays": false,
  "serverMaxVideoStorageDays": 7,
  "protectAlarmRecordings": false,
  "protectMaxDays": 30,
  "protectPreAlarmSeconds": 30,
```

```
  "protectPostAlarmMinutes": 30,
  "secondaryStoragePaths": [],
  "serverSecondaryStoragePaths": [],
  "serverArchiveAfterDays": -7
}
```

PUT /cameras/{camera_id}/storage

A **PUT** request updates the storage settings for a specific camera (*camera_id*).

```
curl https://127.0.0.1/api/cameras/B82E76D3-FF55-44F2-9A58-64001EB4A614/storage
    -X PUT
    -H "Content-Type: application/json"
    --data-binary "@.\SaveCameraStorageBody.txt"
```

Example of `SaveCameraStorageBody.txt`:

```
{
  "cameraSecurityId": "8ec29ab1-5681-4bd3-9c6e-055f57549c22",
  "serverId": 5000,
  "storagePaths": [],
  "maxVideoStorageDays": [10],
  "serverStoragePaths": [
    {
      "path": "c:\\someOtherExistingPath",
      "forceRead": false
    }
  ],
  "serverLimitVideoStorageDays": false,
  "serverMaxVideoStorageDays": 7,
  "protectAlarmRecordings": false,
  "protectMaxDays": 30,
  "protectPreAlarmSeconds": 30,
  "protectPostAlarmMinutes": 30,
  "secondaryStoragePaths": [],
  "serverSecondaryStoragePaths": [],
  "serverArchiveAfterDays": -7
}
```

POST /cameras/delete

A **POST** request deletes a list of cameras.

```
curl https://127.0.0.1/api/cameras/delete
    -X POST
    -H "Content-Type: application/json"
    --data-binary "@.\DeleteCamerasBody.txt"
```

Example of `DeleteCamerasBody.txt`:

```
[
 "740F1A98-E057-4BAB-A7BE-043BBF329388",
 "1CD9F847-E24F-404C-99A3-3FA83C427F81"
]
```

POST /cameras/detect

A **POST** request returns detection information for a specific camera.

```
curl https://127.0.0.1/api/cameras/detect
    -X POST
    -H "Content-Type: application/json"
    --data-binary "@.\DetectCameraBody.txt"
```

Example of `DetectCameraBody.txt`:

```
{
 "url": "http://10.234.11.27:80/",
```

```
 "brand": "Axis",
 "username": "root",
 "password": "toor",
}
```

Example output:


```
{
  "status": 3,
  "brand": "Axis",
  "model": "AXIS Q3518",
  "ipAddress": "10.234.11.27",
  "port": "80",
  "url": "http://10.234.11.27:80/",
  "defaultUsername": "root",
  "defaultPassword": "",
  "cameraType": "Fixed Camera",
  "defaultResolution": "1920 x 1080",
  "defaultImageFormat": "H264 Over HTTP",
  "resolutions": [
    "3840 x 2160",
    "3072 x 1728",
    "2880 x 2160",
    "2688 x 1512",
    "2592 x 1944",
    "2560 x 1440",
    "2304 x 1728",
    "2048 x 1536",
    "2016 x 1512",
    "1920 x 1080",
    "1600 x 1200",
    "1400 x 1050",
    "1280 x 960",
    "1280 x 720",
    "1024 x 768",
    "800 x 600",
    "800 x 450",
    "640 x 480",
    "640 x 360",
    "480 x 360",
    "320 x 240",
    "320 x 180",
    "240 x 180",
    "160 x 120"
  ],
  "frameRates": [
    "All"
  ],
  "imageFormats": [
    "MJPG",
    "H264 Unicast",
    "H264 Multicast",
    "H264 Over TCP",
    "H264 Over HTTP",
    "H264 Over HTTPS"
  ],
  "rotation": 180,
  "defaultFrameRate": 5.0,
  "isOnvif": false,
  "isOnvifServer": false,
  "timestamp": 637189457736077588,
  "devName": "VideoRecvAxis",
  "detectionXml": "<DeviceCapabilities><Status>OK</Status><Manufacturer
 name='Axis'><Model name='AXIS Q3518' type='Fixed Camera' ><Video>1</
Video><Network>1</Network><devname>VideoRecvAxis</devname><DefaultUsername>root</
DefaultUsername><Firmware_Version>8.25.5</Firmware_Version><HTTP_Version>3</
HTTP_Version><FrameRate default='5'>All</FrameRate><ImageFormat default='H264
 Over HTTP'>MJPG,H264 Unicast,H264 Multicast,H264 Over TCP,H264 Over HTTP,H264
 Over HTTPS</ImageFormat><Rotation>180</Rotation><Metadata>1</Metadata><Resolution
 default='1920x1080'>3840x2160,3072x1728,2880x2160,2688x1512,2592x1944,2560x1440,2304x1728,2048x1536,2016x151
Resolution><Audio>2</Audio><AudioSupport>MPG4,H264,H265</AudioSupport><AudioCodec>g711</
AudioCodec><AudioBitrate>64000</AudioBitrate><AudioSamplerate>48000</
AudioSamplerate><AudioOutCodec>g711</AudioOutCodec><XmlOption>DIO=1</XmlOption><DIONumInputs>2</
DIONumInputs><DIONumOutputs>0</DIONumOutputs><MultiStream>1</MultiStream><MotionDetection>1</
MotionDetection><DirectConnect>1</DirectConnect><ChangeFPS>1</ChangeFPS><AppList><application
 Name='fenceguard' NiceName='AXIS Fence Guard' Vendor='Axis Communications' Version='2.1-0'
 ApplicationID='47775' License='None' Status='Stopped' ConfigurationPage='local/fenceguard/
config.html' VendorHomePage='http://www.axis.com'/><application Name='loiteringguard'
 NiceName='AXIS Loitering Guard' Vendor='Axis Communications' Version='2.1-0'
```

```
 ApplicationID='46775' License='None' Status='Stopped' ConfigurationPage='local/loiteringguard/
config.html' VendorHomePage='http://www.axis.com'/><application Name='motionguard'
 NiceName='AXIS Motion Guard' Vendor='Axis Communications' Version='2.1-0' ApplicationID='48170'
 License='None' Status='Stopped' ConfigurationPage='local/motionguard/config.html'
 VendorHomePage='http://www.axis.com'/><application Name='vmd' NiceName='AXIS Video Motion
 Detection' Vendor='Axis Communications' Version='4.2-1' ApplicationID='143440' License='None'
 Status='Stopped' ConfigurationPage='local/vmd/config.html' VendorHomePage='http://
www.axis.com'/></AppList></Model></Manufacturer></DeviceCapabilities>",
  "ptzProtocol": null,
  "ptzGenericProtocol": null,
  "dioNumInputs": 2,
  "dioNumOutputs": 0,
  "digitalInputs": [
    {
      "id": "8f129428-7f44-4646-bdf4-84555ea34fd6",
      "name": null,
      "isDefaultName": true,
      "moduleNumber": 0,
      "number": 0,
      "inUse": false
    },
    {
      "id": "3b0de0c8-6d5d-48c9-9945-2627cb5f3c15",
      "name": null,
      "isDefaultName": true,
      "moduleNumber": 0,
      "number": 1,
      "inUse": false
    }
  ],
  "digitalOutputs": [],
  "network": 1,
  "audio": 2,
  "audioOutCodec": "g711",
  "directConnect": true,
  "canChangeFrameRate": true,
  "maxDevices": 0,
  "cameraTampering": false,
  "metadata": true,
  "auxiliaries": []
}
```


POST /cameras/server/{server_id}

A **POST** request moves cameras to a Senstar Symphony Server (*server_id*).

```
curl https://127.0.0.1/api/cameras/server/5000
    -X POST
    -H "Content-Type: application/json"
    --data-binary "@.\MoveCamerasToServerBody.txt"
```

Example of `MoveCamerasToServerBody`:

```
[
 "5D5BCF00-CB31-41AD-922B-1EFFCB9BCA1D",
 "59B6AE4A-AE95-47A0-B0B3-3F539F6103BB"
]
```

/devices

GET /devices

A **GET** request retrieves a list of all devices.

```
curl https://127.0.0.1/api/devices/
```

Example output:


```
[
  {
    "typeName": "Fixed Camera",
    "id": "20693d7d-7493-4e71-8d69-bd08f5abcd29",
    "deviceId": 23,
    "securityId": "20693d7d-7493-4e71-8d69-bd08f5abcd29",
    "groupIds": [
      "191bb8ab-099a-41ad-9e8e-bf4854a72d15"
    ],
    "groupNames": null,
    "name": "AXISM106_10.234.9.185",
    "username": "root",
    "password": null,
    "serverId": 5000,
    "serverName": null,
    "brand": "Axis",
    "model": "AXIS M1065-LW",
    "ipAddress": "10.234.9.185",
    "detectionXml": "<DeviceCapabilities><Status>OK</Status><Manufacturer
 name='Axis'><Model name='AXIS M1065-LW' type='Fixed Camera' ><Video>1</
Video><Network>1</Network><devname>VideoRecvAxis</devname><DefaultUsername>root</
DefaultUsername><Firmware_Version>8.40.2.2</Firmware_Version><HTTP_Version>3</
HTTP_Version><FrameRate default='5'>All</FrameRate><ImageFormat default='H264
 Over HTTP'>MJPG,H264 Unicast,H264 Multicast,H264 Over TCP,H264 Over HTTP,H264
 Over HTTPS</ImageFormat><Rotation>0</Rotation><Metadata>1</Metadata><Resolution
 default='1920x1080'>1920x1080,1280x960,1280x720,1024x768,1024x576,800x600,640x480,640x360,352x240,320x240</
Resolution><Audio>2</Audio><AudioSupport>MPG4,H264,H265</AudioSupport><AudioCodec>aac</
AudioCodec><AudioOutCodec>g711</AudioOutCodec><XmlOption>DIO=1</XmlOption><DIONumInputs>1</
DIONumInputs><DIONumOutputs>0</DIONumOutputs><MultiStream>1</MultiStream><MotionDetection>1</
MotionDetection><DirectConnect>1</DirectConnect><ChangeFPS>1</ChangeFPS><AppList><application
 Name='VMD3' NiceName='AXIS Video Motion Detection' Vendor='Axis Communications' Version='3.1-1'
 ApplicationID='46396' License='None' Status='Running' ConfigurationPage='local/VMD3/setup.html'
 VendorHomePage='http://www.axis.com'/><application Name='vmd' NiceName='AXIS Video Motion
 Detection' Vendor='Axis Communications' Version='4.2-5' ApplicationID='143440' License='None'
 Status='Stopped' ConfigurationPage='local/vmd/config.html' VendorHomePage='http://
www.axis.com'/></AppList></Model></Manufacturer></DeviceCapabilities>",
    "digitalInputs": [],
    "digitalOutputs": [],
    "canEdit": true,
    "canDelete": true,
    "supportsDIO": true
  },
  {
    "fromServerId": 5000,
    "failover": true,
    "module": "",
    "ioNumber": null,
    "status": 3,
    "detectionSuceeded": true,
    "registryEntry": 1,
    "linkedCamera": null,
    "enableAudioIn": false,
    "enableAudioOut": false,
    "typeName": "Hardware Device",
    "id": "63331172-dba6-4098-ae94-6fc14462ecf8",
    "deviceId": 30,
    "securityId": "63331172-dba6-4098-ae94-6fc14462ecf8",
    "groupIds": [
      "4382f1c6-47bb-44b0-ab34-1a4b1923c5be"
    ],
    "groupNames": null,
    "name": "Thin Client 1",
    "username": "admin",
```

```
    "password": "admin",
    "serverId": 0,
    "serverName": null,
    "brand": "Senstar",
    "model": "",
    "ipAddress": "10.234.100.65",
    "detectionXml": "<DeviceCapabilities><Status>OK</Status></DeviceCapabilities>",
    "digitalInputs": [],
    "digitalOutputs": [],
    "canEdit": true,
    "canDelete": true,
    "supportsDIO": false
  }
]
```


PUT /devices

A **PUT** request updates a device.

```
curl https://127.0.0.1/api/devices
        -X PUT
        -H "Content-Type: application/json"
        --data-binary "@.\UpdateDevicesBody.txt"
```

Example output:


```
[
  {
    "typeName": "Fixed Camera",
    "id": "20693d7d-7493-4e71-8d69-bd08f5abcd29",
    "deviceId": 23,
    "securityId": "20693d7d-7493-4e71-8d69-bd08f5abcd29",
    "groupIds": [
      "191bb8ab-099a-41ad-9e8e-bf4854a72d15"
    ],
    "groupNames": null,
    "name": "AXISM106_10.234.9.185",
    "username": "root",
    "password": null,
    "serverId": 5000,
    "serverName": null,
    "brand": "Axis",
    "model": "AXIS M1065-LW",
    "ipAddress": "10.234.9.185",
    "detectionXml": "<DeviceCapabilities><Status>OK</Status><Manufacturer
 name='Axis'><Model name='AXIS M1065-LW' type='Fixed Camera' ><Video>1</
Video><Network>1</Network><devname>VideoRecvAxis</devname><DefaultUsername>root</
DefaultUsername><Firmware_Version>8.40.2.2</Firmware_Version><HTTP_Version>3</
HTTP_Version><FrameRate default='5'>All</FrameRate><ImageFormat default='H264
 Over HTTP'>MJPG,H264 Unicast,H264 Multicast,H264 Over TCP,H264 Over HTTP,H264
 Over HTTPS</ImageFormat><Rotation>0</Rotation><Metadata>1</Metadata><Resolution
 default='1920x1080'>1920x1080,1280x960,1280x720,1024x768,1024x576,800x600,640x480,640x360,352x240,320x240</
Resolution><Audio>2</Audio><AudioSupport>MPG4,H264,H265</AudioSupport><AudioCodec>aac</
AudioCodec><AudioOutCodec>g711</AudioOutCodec><XmlOption>DIO=1</XmlOption><DIONumInputs>1</
DIONumInputs><DIONumOutputs>0</DIONumOutputs><MultiStream>1</MultiStream><MotionDetection>1</
MotionDetection><DirectConnect>1</DirectConnect><ChangeFPS>1</ChangeFPS><AppList><application
 Name='VMD3' NiceName='AXIS Video Motion Detection' Vendor='Axis Communications' Version='3.1-1'
 ApplicationID='46396' License='None' Status='Running' ConfigurationPage='local/VMD3/setup.html'
 VendorHomePage='http://www.axis.com'/><application Name='vmd' NiceName='AXIS Video Motion
 Detection' Vendor='Axis Communications' Version='4.2-5' ApplicationID='143440' License='None'
 Status='Stopped' ConfigurationPage='local/vmd/config.html' VendorHomePage='http://
www.axis.com'/></AppList></Model></Manufacturer></DeviceCapabilities>",
    "digitalInputs": [],
    "digitalOutputs": [],
    "canEdit": true,
    "canDelete": true,
    "supportsDIO": true
  },
  {
    "fromServerId": 5000,
    "failover": true,
    "module": "",
    "ioNumber": null,
    "status": 3,
    "detectionSuceeded": true,
    "registryEntry": 1,
```

```
    "linkedCamera": null,
    "enableAudioIn": false,
    "enableAudioOut": false,
    "typeName": "Hardware Device",
    "id": "63331172-dba6-4098-ae94-6fc14462ecf8",
    "deviceId": 30,
    "securityId": "63331172-dba6-4098-ae94-6fc14462ecf8",
    "groupIds": [
      "4382f1c6-47bb-44b0-ab34-1a4b1923c5be"
    ],
    "groupNames": null,
    "name": "Thin Client 1",
    "username": "admin",
    "password": "admin",
    "serverId": 0,
    "serverName": null,
    "brand": "Senstar",
    "model": "",
    "ipAddress": "10.234.100.65",
    "detectionXml": "<DeviceCapabilities><Status>OK</Status></DeviceCapabilities>",
    "digitalInputs": [],
    "digitalOutputs": [],
    "canEdit": true,
    "canDelete": true,
    "supportsDIO": false
  }
]
```


POST /devices/connect

A **POST** request retrieves details of a specific hardware device.

```
curl https://127.0.0.1/api/devices/connect
        -X POST
        -H "Content-Type: application/json"
        --data-binary "@.\ConnectToDeviceBody.txt"
```

Example of `ConnectToDeviceBody.txt`:

```
{
  "name": "SomeHardwareDevice",
  "username": "root",
  "password": "toor",
  "brand": "Axis",
  "ipAddress": "10.234.2.195",
}
```

Example output:


```
[
 {
  "fromServerId": 0,
  "failover": true,
  "module": "",
  "ioNumber": "1",
  "status": 3,
  "detectionSuceeded": true,
  "registryEntry": 1,
  "linkedCamera": null,
  "enableAudioIn": false,
  "enableAudioOut": false,
  "typeName": "Hardware Device",
  "id": "a069d682-5237-4ccd-a5a7-56ae697e7131",
  "deviceId": 0,
  "securityId": "a069d682-5237-4ccd-a5a7-56ae697e7131",
  "groupIds": [
    "82bec52a-32aa-4997-8df4-c78d8a7c72c0"
  ],
  "groupNames": null,
  "name": "SomeHardwareDevice",
  "username": "root",
  "password": "toor",
  "serverId": 5000,
  "serverName": null,
  "brand": "AXIS",
```

```
  "model": "AXIS P8221",
  "ipAddress": "10.234.2.195",
  "detectionXml": "<DeviceCapabilities><Status>OK</Status><Manufacturer
 name='Axis'><Model name='AXIS P8221' type='Hardware Device'><AudioFormat><Encoding>g711</
Encoding><SampleRate>8000</SampleRate><BitRate>64000</BitRate></AudioFormat><DIONumInputs>4</
DIONumInputs><DIONumOutputs>4</DIONumOutputs></Model></Manufacturer></DeviceCapabilities>",
  "digitalInputs": [
    {
      "id": "6606122b-f52a-4ec6-9a68-1994ccec0b33",
      "name": "Input 1",
      "isDefaultName": true,
      "moduleNumber": 1,
      "number": 0,
      "inUse": false
    },
    {
      "id": "5f19ced3-9a26-4293-b360-f1ecbe80a317",
      "name": "Input 2",
      "isDefaultName": true,
      "moduleNumber": 1,
      "number": 1,
      "inUse": false
    },
    {
      "id": "c4b30d53-329d-4e2c-b508-227b6566ca7a",
      "name": "Input 3",
      "isDefaultName": true,
      "moduleNumber": 1,
      "number": 2,
      "inUse": false
    },
    {
      "id": "85836cb2-666f-4fbd-aaaf-cec8bdc911b1",
      "name": "Input 4",
      "isDefaultName": true,
      "moduleNumber": 1,
      "number": 3,
      "inUse": false
    }
  ],
  "digitalOutputs": [
    {
      "activateLabel": "",
      "deactivateLabel": "",
      "deactivateDelay": 0,
      "overlayCameraId": "00000000-0000-0000-0000-000000000000",
      "id": "295684fc-d3a2-4ad5-b9aa-ea742e478ba5",
      "name": "Output 1",
      "isDefaultName": true,
      "moduleNumber": 1,
      "number": 0,
      "inUse": false
    },
    {
      "activateLabel": "",
      "deactivateLabel": "",
      "deactivateDelay": 0,
      "overlayCameraId": "00000000-0000-0000-0000-000000000000",
      "id": "d625c516-9b49-49d1-9f0a-b42b317bb312",
      "name": "Output 2",
      "isDefaultName": true,
      "moduleNumber": 1,
      "number": 1,
      "inUse": false
    },
    {
      "activateLabel": "",
      "deactivateLabel": "",
      "deactivateDelay": 0,
      "overlayCameraId": "00000000-0000-0000-0000-000000000000",
      "id": "98c768d3-0126-4a72-bef2-70710ef2286d",
      "name": "Output 3",
      "isDefaultName": true,
      "moduleNumber": 1,
      "number": 2,
      "inUse": false
    },
    {
      "activateLabel": "",
      "deactivateLabel": "",
```

```
      "deactivateDelay": 0,
      "overlayCameraId": "00000000-0000-0000-0000-000000000000",
      "id": "e8e9fd48-53cd-451e-a886-e7be4b0a34a8",
      "name": "Output 4",
      "isDefaultName": true,
      "moduleNumber": 1,
      "number": 3,
      "inUse": false
    }
  ],
  "canEdit": true,
  "canDelete": true,
  "supportsDIO": true
}
]
```


POST /devices/delete

A **POST** request deletes a hardware device.

```
curl https://127.0.0.1/api/devices/delete
        -X POST
        -H "Content-Type: application/json"
        --data-binary "@.\DeleteDevicesBody.txt"
```

Example of `DeleteDevicesBody.txt`:

```
{
  [
 "25077015-9ce1-40e7-b436-10cf3ab9c0ec"
]
}
```

/events

GET /events

A **GET** request retrieves the event log data for the last 24 hours.

```
curl https://127.0.0.1/api/events
```

GET /events/{start_yyyyMMddHHmmss}/{end_yyyyMMddHHmmss}

A **GET** request retrieves the event log data from *start_yyyyMMddHHmmss* to *end_yyyyMMddHHmmss*.

```
curl https://127.0.0.1/api/events/20200227140000/20200227150000
```

Example output:


```
[
    {"timestamp":"2020-02-27T14:21:20.427Z", "name":"SessionCreated", "eventID":680549,
 "eventGroupID":"88f1b4f4-3fd6-424f-b77d-8634b20a4627", "key":"authenticatingServerId",
 "value":"5001"}
    ,
    {"timestamp":"2020-02-27T14:21:20.427Z", "name":"SessionCreated", "eventID":680549,
 "eventGroupID":"88f1b4f4-3fd6-424f-b77d-8634b20a4627", "key":"clientAddress",
 "value":"127.0.0.1"}
    ,
    {"timestamp":"2020-02-27T14:21:20.427Z", "name":"SessionCreated", "eventID":680549,
 "eventGroupID":"88f1b4f4-3fd6-424f-b77d-8634b20a4627", "key":"hostName", "value":"127.0.0.1"}
    ,
    {"timestamp":"2020-02-27T14:21:20.427Z", "name":"SessionCreated", "eventID":680549,
 "eventGroupID":"88f1b4f4-3fd6-424f-b77d-8634b20a4627", "key":"sessionId",
 "value":"88f1b4f4-3fd6-424f-b77d-8634b20a4627"}
    ,
    {"timestamp":"2020-02-27T14:21:20.427Z", "name":"SessionCreated", "eventID":680549,
 "eventGroupID":"88f1b4f4-3fd6-424f-b77d-8634b20a4627", "key":"username", "value":"admin"}
]
```

/rules

GET /rules

A **GET** request retrieves the details of the rules.

```
curl https://127.0.0.1/api/rules
```

Example output:


```
{
  "currentPage":0,
  "pageCount":1,
  "items":[
    {
      "id":6,
      "securityId":"52756c65-0000-0000-0000-000000000006",
      "name":"Camera Tamper",
      "eventName":"",
      "scheduleName":"Camera Tamper Schedule",
      "actionName":"Camera Tamper Action",
      "isSystemRule":true,
      "systemRuleId":-2,
      "order":10,
      "enabled":false,
      "canView":true,
      "canChange":true
    }
  ],
  "totalCount":1
}
```


POST /rules

A **POST** request creates a new rule.

```
curl https://127.0.0.1/api/rules
    -X POST
    -H "Content-Type: application/json"
    -d @CreateRule.json
```

Example of `CreateRule.json`:

```
{
  "id":28,
  "name":"Sample Rule",
  "enabled":true,
  "order":10,
  "actions":{
    "id":1,
  },
  "schedule":{
    "id":2,
  },
  "priority":5,
  "severity":3,
  "eventsMustOccur":"InSequence",
  "eventsTimePeriod":30,
  "eventList":[
    {
      "id":12,
      "orderNum":0
    }
  ]
}
```

DELETE /rules

A **DELETE** request deletes rules (*rule_id*, *rule_id*, …).

```
curl https://127.0.0.1/api/rules/
    -X DELETE
    -H "Content-Type: application/json"
    -d "[{rule_id}, {rule_id}, ...]"
```

GET /rules/{rule_id}

A **GET** request retrieves the details for a specific rule (*rule_id*).

```
curl https://127.0.0.1/api/rules/52756c65-0000-0000-0000-000000000028
```

Example output:


```
{
  "id":28,
  "name":"Sample Rule",
  "eventName":"Anything Moving",
  "scheduleName":"Lost Camera Connection",
  "actionName":"Lost Camera Connection Action",
  "order":10,
  "enabled":false,
  "isSystemRule":false,
  "systemRuleId":0,
  "priority":5,
  "severity":3,
  "securityId":"52756c65-0000-0000-0000-000000000028",
  "canView":true,
  "canChange":true,
  "eventList":[
    {
      "id":12,
      "name":"Anything Moving",
      "enabled":true,
      "orderNum":0,
      "cameras":[],
      "hardwareDevices":[
        {
          "type":1,
          "inputModule":null,
          "inputType":null,
          "supportsCameraTamper":false,
          "supportsMotionCapture":true,
          "supportsDIO":true,
          "orderNum":0,
          "securityId":"fb33896c-05d7-4852-8a27-1130bb2e6080",
          "name":"Chris' Desk",
        }
      ],
      "hardwareSystemDevices":[],
      "accessDevices":[],
      "inUseByRules":[
        "52756c65-0000-0000-0000-000000000013",
        "52756c65-0000-0000-0000-000000000028"
        "52756c65-0000-0000-0000-000000000029"
      ]
    }
  ],
  "eventsTimePeriod":30,
  "eventsMustOccur":0,
  "actions":{
    "name":"Lost Camera Connection Action",
    "alarm":{
      "enabled":true,
      "raiseAlarm":true,
      "viewDevices":[],
      "cameraId":null,
      "mapId":null
    }
    "alarmLog":{
```

```
      "enabled":false,
      "items":[
        {
          "enabled":true,
          "type":0,
          "cameraId":null,
          "mapId":null
        },
        {
          "enabled":false,
          "type":0,
          "cameraId":null,
          "mapId":null
        },
        {
          "enabled":false,
          "type":0,
          "cameraId":null,
          "mapId":null
        },
        {
          "enabled":false,
          "type":0,
          "cameraId":null,
          "mapId":null
        }
      ],
      "alarmMapId":null,
      "alarmMapEnabled":false
    },
    "changePermission":{
      "enabled":false,
      "resetWhenAcknowledged":true,
      "minutes":30,
      "usersAndGroups":[],
      "rightsChanged":[]
    },
    "record":{
      "enabled":true,
      "devices":[]
    },
    "relay":{
      "enabled":false,
      "deviceId":0,
      "relayAction":0,
      "module":null,
      "restoreStateAction":0,
      "restoreAfterDuration":30
    },
    "commands":{
      "enabled":false,
      "commands":[]
    },
    "ftp":{
      "enabled":false,
      "server":null,
      "port":21,
      "username":null,
      "password":null,
      "remotePath":null,
      "renameEnabled":false,
      "renamePattern":null,
      "renameUseUtc":false,
      "transferMultiplePictures":false,
      "preAlarmPictures":6,
      "postAlarmPictures":6,
      "pictureInterval":200,
      "showBoxes":true,
      "showText":true,
      "showTime":true,
      "showDate":true,
      "showPath":true,
      "resizePercent":-1,
      "cameras":[]
    },
    "email":{
      "emailAddresses":[],
      "emailIfUnacknowledged":false,
      "acknowledgeMinutes":0.0,
      "enabled":false
```

```
    },
    "tcp":{
      "enabled":false,
      "ipAddress":null,
      "port":80,
      "text":null
    },
    "runProgram":{
      "enabled":false,
      "workingDirectory":null,
      "filename":null,
      "arguments":null
    },
    "sounds":null,
    "zoom":{
      "enabled":false,
      "autoTracking":false,
      "forcePtzLocation":false,
      "cameraId":null,
      "duration":30,
      "pan":0.0,
      "tilt":0.0,
      "zoom":0.0
    },
    "instructions":{
      "text":null,
      "enabled":false,
      "isFile":false,
      "fileId":0,
      "fileName":"",
      "fileData":null
    },
    "rule":{
      "enabled":false,
      "ruleAction":0,
      "ruleIds":[]
    },
    "opc":{
      "enabled":false,
      "alarmType":1,
      "duration":1000
    },
    "sms":{
      "enabled":false,
      "comPort":"COM1",
      "baudRate":9600,
      "phoneNumbers":[],
      "message":null
    },
    "id":1,
    "systemRuleId":-1,
    "inUseByRules":[
      "52756c65-0000-0000-0000-000000000003",
      "52756c65-0000-0000-0000-000000000028",
      "52756c65-0000-0000-0000-000000000029"
    ]
  },
  "schedule":{
    "id":2,
    "systemRuleId":-1,
    "name":"Lost Camera Connection",
    "days":[
      "1440a",
      "1440a",
      "1440a",
      "1440a",
      "1440a",
      "1440a",
      "1440a"
    ],
    "exceptions":[],
    "lockedDown":false
  }
}
```

PUT /rules/{rule_id}

A **PUT** request modifies a specific rule (*rule_id*).

```
curl https://127.0.0.1/api/rules/52756c65-0000-0000-0000-000000000028
    -X PUT
    -H "Content-Type: application/json"
    -d @CreateRule.json
```

Example of `CreateRule.json`:

```
{
  "id":28,
  "name":"Sample Rule",               // The name of the rule
  "enabled":true,                     // True to make the rule active, False to have it disabled
  "order":10,                         // Ignored; set to 10
  "actions":{
    "id":1,                           // The ID of the action to perform when the rule is
 triggered
  },
  "schedule":{
    "id":2,                           // The ID of the schedule when this rule is active
  },
  "priority":5,                       // Ignored; set to 5
  "severity":3,                       // The severity of the rule, from 1 to 5, where 1 is the
 most severe
  "eventsMustOccur":"InSequence",     // If multiple rule events are specified, do they have to
 occur InSequence or WithinTimePeriod?
  "eventsTimePeriod":30,              // The amount of time (in seconds) that all events must
 occur for the rule to be triggered
  "eventList":[                       // An array of events used to trigger the rule
    {
      "id":12,                        // The ID of the event which triggers the rule
      "orderNum":0                    // An integer to specify the order of this event in the
 rule
    }
  ]
}
```

POST /rules/byguids

A **POST** request retrieves the details for a set of rules.

```
curl https://127.0.0.1/api/rules/byguids
    -X POST
    -H "Content-Type: application/json"
    -d "[\"52756c65-0000-0000-0000-000000000028\",\"52756c65-0000-0000-0000-000000000029\"]"
```

Sample output:

```
[
  {
    "id":28,
    "name":"Sample Rule",
    "eventName":"Anything Moving",
    "scheduleName":"Lost Camera Connection",
    "actionName":"Lost Camera Connection Action",
    "order":10,
    "enabled":false,
    "isSystemRule":false,
    "systemRuleId":0,
    "priority":5,
    "severity":3,
    "securityId":"52756c65-0000-0000-0000-000000000028",
    "canView":true,
    "canChange":true,
    "eventList":[
      {
        "id":12,
        "name":"Anything Moving",
        "enabled":true,
        "orderNum":0,
        "cameras":[],
```

```
        "hardwareDevices":[
          {
            "type":1,
            "inputModule":null,
            "inputType":null,
            "supportsCameraTamper":false,
            "supportsMotionCapture":true,
            "supportsDIO":true,
            "orderNum":0,
            "securityId":"fb33896c-05d7-4852-8a27-1130bb2e6080",
            "name":"Chris' Desk",
          }
        ],
        "hardwareSystemDevices":[],
        "accessDevices":[],
        "inUseByRules":[
          "52756c65-0000-0000-0000-000000000013",
          "52756c65-0000-0000-0000-000000000028"
          "52756c65-0000-0000-0000-000000000029"
        ]
      }
    ],
    "eventsTimePeriod":30,
    "eventsMustOccur":0,
    "actions":{
      "name":"Lost Camera Connection Action",
      "alarm":{
        "enabled":true,
        "raiseAlarm":true,
        "viewDevices":[],
        "cameraId":null,
        "mapId":null
      }
      "alarmLog":{
        "enabled":false,
        "items":[
          {
            "enabled":true,
            "type":0,
            "cameraId":null,
            "mapId":null
          },
          {
            "enabled":false,
            "type":0,
            "cameraId":null,
            "mapId":null
          },
          {
            "enabled":false,
            "type":0,
            "cameraId":null,
            "mapId":null
          },
          {
            "enabled":false,
            "type":0,
            "cameraId":null,
            "mapId":null
          }
        ],
        "alarmMapId":null,
        "alarmMapEnabled":false
      },
      "changePermission":{
        "enabled":false,
        "resetWhenAcknowledged":true,
        "minutes":30,
        "usersAndGroups":[],
        "rightsChanged":[]
      },
      "record":{
        "enabled":true,
        "devices":[]
      },
      "relay":{
        "enabled":false,
        "deviceId":0,
        "relayAction":0,
        "module":null,
```

```
      "restoreStateAction":0,
      "restoreAfterDuration":30
    },
    "commands":{
      "enabled":false,
      "commands":[]
    },
    "ftp":{
      "enabled":false,
      "server":null,
      "port":21,
      "username":null,
      "password":null,
      "remotePath":null,
      "renameEnabled":false,
      "renamePattern":null,
      "renameUseUtc":false,
      "transferMultiplePictures":false,
      "preAlarmPictures":6,
      "postAlarmPictures":6,
      "pictureInterval":200,
      "showBoxes":true,
      "showText":true,
      "showTime":true,
      "showDate":true,
      "showPath":true,
      "resizePercent":-1,
      "cameras":[]
    },
    "email":{
      "emailAddresses":[],
      "emailIfUnacknowledged":false,
      "acknowledgeMinutes":0.0,
      "enabled":false
    },
    "tcp":{
      "enabled":false,
      "ipAddress":null,
      "port":80,
      "text":null
    },
    "runProgram":{
      "enabled":false,
      "workingDirectory":null,
      "filename":null,
      "arguments":null
    },
    "sounds":null,
    "zoom":{
      "enabled":false,
      "autoTracking":false,
      "forcePtzLocation":false,
      "cameraId":null,
      "duration":30,
      "pan":0.0,
      "tilt":0.0,
      "zoom":0.0
    },
    "instructions":{
      "text":null,
      "enabled":false,
      "isFile":false,
      "fileId":0,
      "fileName":"",
      "fileData":null
    },
    "rule":{
      "enabled":false,
      "ruleAction":0,
      "ruleIds":[]
    },
    "opc":{
      "enabled":false,
      "alarmType":1,
      "duration":1000
    },
    "sms":{
      "enabled":false,
      "comPort":"COM1",
      "baudRate":9600,
```

```
        "phoneNumbers":[],
        "message":null
      },
      "id":1,
      "systemRuleId":-1,
      "inUseByRules":[
        "52756c65-0000-0000-0000-000000000003",
        "52756c65-0000-0000-0000-000000000028",
        "52756c65-0000-0000-0000-000000000029"
      ]
    },
    "schedule":{
      "id":2,
      "systemRuleId":-1,
      "name":"Lost Camera Connection",
      "days":[
        "1440a",
        "1440a",
        "1440a",
        "1440a",
        "1440a",
        "1440a",
        "1440a"
      ],
      "exceptions":[],
      "lockedDown":false
    }
  },
  {
    "id":29,
    ...
  }
]
```

POST /rules/bydevice

A **POST** request retrieves the details of the rules that apply to a set of cameras.

```
curl https://127.0.0.1/api/rules/bydevice
    -X POST
    -H "Content-Type: application/json"
    -d "[\"fb33896c-05d7-4852-8a27-1130bb2e6080\"]"
```

Sample output:

```
[
  {
    "deviceSecurityId":"fb33896c-05d7-4852-8a27-1130bb2e6080",
    "rules":[
      {
        "id":13,
        "securityId":"52756c65-0000-0000-0000-000000000013",
        "name":"Everything",
        "eventName":"Anything Moving",
        "scheduleName":"Camera Tamper Schedule",
        "actionName":"Camera Tamper Action",
        "isSystemRule":false,
        "systemRuleId":0,
        "order":10,
        "enabled":true,
        "canView":true,
        "canChange":true
      },
      {
        "id":28,
        "securityId":"52756c65-0000-0000-0000-000000000028",
        "name":"Sample Rule",
        "eventName":"Anything Moving",
        "scheduleName":"Lost Camera Connection",
        "actionName":"Lost Camera Connection Action",
        "isSystemRule":false,
        "systemRuleId":0,
        "order":10,
        "enabled":false,
        "canView":true,
        "canChange":true
```

```
      }
    ]
  }
]
```

POST /rules/enable

A **POST** request enables rules (*rule_id_1*, *rule_id_2*, ...).

```
curl https://127.0.0.1/api/rules/enable
    -X POST
    -H "Content-Type: application/json"
    -d "[\"rule_id_1\",\"rule_id_2\"]"
```

POST /rules/disable

A **POST** request disables rules (*rule_id_1*, *rule_id_2*, ...).

```
curl https://127.0.0.1/api/rules/disable
    -X POST
    -H "Content-Type: application/json"
    -d "[\"rule_id_1\",\"rule_id_2\"]"
```

GET /rules/actionsets

A **GET** request retrieves the details of all the action sets.

```
curl https://127.0.0.1/api/rules/actionsets
```

Example output:


```
{
  "currentPage":0,
  "pageCount":1,
  "items":[
    {
      "name":"Camera Tamper Action",
      "alarm":{
        "enabled":true,
        "raiseAlarm":true,
        "viewDevices":[],
        "cameraId":null,
        "mapId":null
      },
      "alarmLog":{
        "enabled":false,
        "items":[
          {
            "enabled":true,
            "type":0,
            "cameraId":null,
            "mapId":null
          },
          {
            "enabled":false,
            "type":0,
            "cameraId":null,
            "mapId":null
          },
          {
            "enabled":false,
            "type":0,
            "cameraId":null,
            "mapId":null
          },
          {
            "enabled":false,
            "type":0,
            "cameraId":null,
            "mapId":null
```

```
        }
      ],
      "alarmMapId":null,
      "alarmMapEnabled":false
    },
    "changePermission":{
      "enabled":false,
      "resetWhenAcknowledged":true,
      "minutes":30,
      "usersAndGroups":[],
      "rightsChanged":[]
    },
    "record":{
      "enabled":true,
      "devices":[]
    },
    "relay":{
      "enabled":false,
      "deviceId":0,
      "relayAction":0,
      "module":null,
      "restoreStateAction":0,
      "restoreAfterDuration":30
    },
    "commands":{
      "enabled":false,
      "commands":[]
    },
    "ftp":{
      "enabled":false,
      "server":null,
      "port":21,
      "username":null,
      "password":null,
      "remotePath":null,
      "renameEnabled":false,
      "renamePattern":null,
      "renameUseUtc":false,
      "transferMultiplePictures":false,
      "preAlarmPictures":6,
      "postAlarmPictures":6,
      "pictureInterval":200,
      "showBoxes":true,
      "showText":true,
      "showTime":true,
      "showDate":true,
      "showPath":true,
      "resizePercent":-1,
      "cameras":[]
    },
    "email":{
      "emailAddresses":[],
      "emailIfUnacknowledged":false,
      "acknowledgeMinutes":0.0,
      "enabled":false
    },
    "tcp":{
      "enabled":false,
      "ipAddress":null,
      "port":80,
      "text":null
    },
    "runProgram":{
      "enabled":false,
      "workingDirectory":null,
      "filename":null,
      "arguments":null
    },
    "sounds":null,
    "zoom":{
      "enabled":false,
      "autoTracking":false,
      "forcePtzLocation":false,
      "cameraId":null,
      "duration":30,
      "pan":0.0,
      "tilt":0.0,
      "zoom":0.0
    },
    "instructions":{
```

```
        "text":null,
        "enabled":false,
        "isFile":false,
        "fileId":0,
        "fileName":"",
        "fileData":null
      },
      "rule":{
        "enabled":false,
        "ruleAction":0,
        "ruleIds":[]
      },
      "opc":{
        "enabled":false,
        "alarmType":1,
        "duration":1000
      },
      "sms":{
        "enabled":false,
        "comPort":"COM1",
        "baudRate":9600,
        "phoneNumbers":[],
        "message":null
      },
      "id":4,
      "systemRuleId":-2,
      "inUseByRules":[
        "52756c65-0000-0000-0000-000000000006",
        "52756c65-0000-0000-0000-000000000013",
        "52756c65-0000-0000-0000-000000000023"
      ]
    }
  ],
  "totalCount":1
}
```


POST /rules/actionsets

A **POST** request creates a new action set.

```
curl https://127.0.0.1/api/rules/actionsets
    -X POST
    -H "Content-Type: application/json"
    -d @CreateAction.json
```

Example of `CreateAction.json`:


```
{
  "name": "Sample Action",
  "alarm":{
    "enabled":true,
    "raiseAlarm":true,
    "viewDevices":[],
    "cameraId":null,
    "mapId":null
  },
  "alarmLog":{
    "enabled":false,
    "items":[
      {
        "enabled":true,
        "type":0,
        "cameraId":null,
        "mapId":null
      },
      {
        "enabled":false,
        "type":0,
        "cameraId":null,
        "mapId":null
      },
      {
        "enabled":false,
        "type":0,
        "cameraId":null,
        "mapId":null
```

```
      },
      {
        "enabled":false,
        "type":0,
        "cameraId":null,
        "mapId":null
      }
    ],
    "alarmMapId":null,
    "alarmMapEnabled":false
  },
  "changePermission":{
    "enabled":false,
    "resetWhenAcknowledged":true,
    "minutes":30,
    "usersAndGroups":[],
    "rightsChanged":[]
  },
  "record":{
    "enabled":true,
    "devices":[]
  },
  "relay":{
    "enabled":false,
    "deviceId":0,
    "relayAction":0,
    "module":null,
    "restoreStateAction":0,
    "restoreAfterDuration":30
  },
  "commands":{
    "enabled":false,
    "commands":[]
  },
  "ftp":{
    "enabled":false,
    "server":null,
    "port":21,
    "username":null,
    "password":null,
    "remotePath":null,
    "renameEnabled":false,
    "renamePattern":null,
    "renameUseUtc":false,
    "transferMultiplePictures":false,
    "preAlarmPictures":6,
    "postAlarmPictures":6,
    "pictureInterval":200,
    "showBoxes":true,
    "showText":true,
    "showTime":true,
    "showDate":true,
    "showPath":true,
    "resizePercent":-1,
    "cameras":[]
  },
  "email":{
    "emailAddresses":[],
    "emailIfUnacknowledged":false,
    "acknowledgeMinutes":0.0,
    "enabled":false
  },
  "tcp":{
    "enabled":false,
    "ipAddress":null,
    "port":80,
    "text":null
  },
  "runProgram":{
    "enabled":false,
    "workingDirectory":null,
    "filename":null,
    "arguments":null
  },
  "sounds":null,
  "zoom":{
    "enabled":false,
    "autoTracking":false,
    "forcePtzLocation":false,
    "cameraId":null,
```

```
    "duration":30,
    "pan":0.0,
    "tilt":0.0,
    "zoom":0.0
  },
  "instructions":{
    "text":null,
    "enabled":false,
    "isFile":false,
    "fileId":0,
    "fileName":"",
    "fileData":null
  },
  "rule":{
    "enabled":false,
    "ruleAction":0,
    "ruleIds":[]
  },
  "opc":{
    "enabled":false,
    "alarmType":1,
    "duration":1000
  },
  "sms":{
    "enabled":false,
    "comPort":"COM1",
    "baudRate":9600,
    "phoneNumbers":[],
    "message":null
  }
}
```


GET /rules/actionsets/basic

A **GET** request retrieves a summary of all the action sets.

```
curl https://127.0.0.1/api/rules/actionsets/basic
```

Example output:


```
{
  "currentPage":0,
  "pageCount":1,
  "items":[
    {
      "name":"Camera Tamper Action",
      "id":4,
      "systemRuleId":-2,
      "inUseByRules":[
        "52756c65-0000-0000-0000-000000000006",
        "52756c65-0000-0000-0000-000000000013",
        "52756c65-0000-0000-0000-000000000023"
      ]
    },
    {
      "name":"Lost Camera Connection Action",
      "id":1,
      "systemRuleId":-1,
      "inUseByRules":[
        "52756c65-0000-0000-0000-000000000003",
        "52756c65-0000-0000-0000-000000000028",
        "52756c65-0000-0000-0000-000000000029"
      ]
    },
    {
      "name":"Manual Alarm Action",
      "id":7,
      "systemRuleId":-4,
      "inUseByRules":["52756c65-0000-0000-0000-000000000009"]
    }
  ],
  "totalCount":3
}
```

GET /rules/actionsets/{actionset_id}

A **GET** request retrieves the details for a specific action set (*action_set_id*).

```
curl https://127.0.0.1/api/rules/actionsets/action_set_id
```

Example output:


```
{
  "name":"Manual Alarm Action",
  "alarm":{
    "enabled":true,
    "raiseAlarm":true,
    "viewDevices":[],
    "cameraId":null,
    "mapId":null
  },
  "alarmLog":{
    "enabled":false,
    "items":[
      {
        "enabled":true,
        "type":0,
        "cameraId":null,
        "mapId":null
      },
      {
        "enabled":false,
        "type":0,
        "cameraId":null,
        "mapId":null
      },
      {
        "enabled":false,
        "type":0,
        "cameraId":null,
        "mapId":null
      },
      {
        "enabled":false,
        "type":0,
        "cameraId":null,
        "mapId":null
      }
    ],
    "alarmMapId":null,
    "alarmMapEnabled":false
  },
  "changePermission":{
    "enabled":false,
    "resetWhenAcknowledged":true,
    "minutes":30,
    "usersAndGroups":[],
    "rightsChanged":[]
  },
  "record":{
    "enabled":true,
    "devices":[]
  },
  "relay":{
    "enabled":false,
    "deviceId":0,
    "relayAction":0,
    "module":null,
    "restoreStateAction":0,
    "restoreAfterDuration":30
  },
  "commands":{
    "enabled":false,
    "commands":[]
  },
  "ftp":{
    "enabled":false,
    "server":null,
    "port":21,
    "username":null,
    "password":null,
```

```
    "remotePath":null,
    "renameEnabled":false,
    "renamePattern":null,
    "renameUseUtc":false,
    "transferMultiplePictures":false,
    "preAlarmPictures":6,
    "postAlarmPictures":6,
    "pictureInterval":200,
    "showBoxes":true,
    "showText":true,
    "showTime":true,
    "showDate":true,
    "showPath":true,
    "resizePercent":-1,
    "cameras":[]
  },
  "email":{
    "emailAddresses":[],
    "emailIfUnacknowledged":false,
    "acknowledgeMinutes":0.0,
    "enabled":false
  },
  "tcp":{
    "enabled":false,
    "ipAddress":null,
    "port":80,
    "text":null
  },
  "runProgram":{
    "enabled":false,
    "workingDirectory":null,
    "filename":null,
    "arguments":null
  },
  "sounds":null,
  "zoom":{
    "enabled":false,
    "autoTracking":false,
    "forcePtzLocation":false,
    "cameraId":null,
    "duration":30,
    "pan":0.0,
    "tilt":0.0,
    "zoom":0.0
  },
  "instructions":{
    "text":null,
    "enabled":false,
    "isFile":false,
    "fileId":0,
    "fileName":"",
    "fileData":null
  },
  "rule":{
    "enabled":false,
    "ruleAction":0,
    "ruleIds":[]
  },
  "opc":{
    "enabled":false,
    "alarmType":1,
    "duration":1000
  },
  "sms":{
    "enabled":false,
    "comPort":"COM1",
    "baudRate":9600,
    "phoneNumbers":[],
    "message":null
  },
  "id":7,
  "systemRuleId":-4,
  "inUseByRules":["52756c65-0000-0000-0000-000000000009"]
}
```

DELETE /rules/actionsets/{actionset_id}

A **DELETE** request deletes a list of action sets (*action_set_id*,*action_set_id*, ….).

```
curl https://127.0.0.1/api/rules/actionsets
    -X DELETE
    -H "Content-Type: application/json"
    -d "[action_set_id,action_set_id]"
```

PUT /rules/actionsets/{actionset_id}

A **PUT** request modifies a specific action set (*action_set_id*).

```
curl https://127.0.0.1/api/rules/actionsets/action_set_id
    -X PUT
    -H "Content-Type: application/json"
    -d @CreateAction.json
```

GET /rules/events

A **GET** request retrieves the details of all the events.

```
curl https://127.0.0.1/api/rules/events
```

Example output:


```
{
  "currentPage":0,
  "pageCount":1,
  "items":[
    {
      "id":12,
      "name":"Anything Moving",
      "enabled":true,
      "orderNum":0,
      "cameras":[],
      "hardwareDevices":[
        {
          "type":1,
          "inputModule":null,
          "inputType":null,
          "supportsCameraTamper":false,
          "supportsMotionCapture":true,
          "supportsDIO":true,
          "orderNum":0,
          "securityId":"fb33896c-05d7-4852-8a27-1130bb2e6080",
          "name":"Chris' Desk"
        }
      ],
      "hardwareSystemDevices":[],
      "accessDevices":[],
      "inUseByRules":[
        "52756c65-0000-0000-0000-000000000013",
        "52756c65-0000-0000-0000-000000000028",
        "52756c65-0000-0000-0000-000000000029"
      ]
    },
    {
      "id":22,
      "name":"VMD 57",
      "enabled":true,
      "orderNum":1,
      "cameras":[],
      "hardwareDevices":[
        {
          "type":1,
          "inputModule":null,
          "inputType":null,
          "supportsCameraTamper":false,
          "supportsMotionCapture":true,
          "supportsDIO":false,
```

```
            "orderNum":0,
            "securityId":"17b40430-b19d-4c10-84a9-c9f286d5e107",
            "name":"AXIS M3007 Fisheye"
          }
      ],
      "hardwareSystemDevices":[],
      "accessDevices":[],
      "inUseByRules":["52756c65-0000-0000-0000-000000000023"]
    }
  ],
  "totalCount":2
}

To create a new event, POST the following:
{
  "id":12,
  "name":"Anything Moving",
  "enabled":true,
  "orderNum":0,
  "cameras":[],
  "hardwareDevices":[
    {
      "type":1,
      "inputModule":null,
      "inputType":null,
      "supportsCameraTamper":false,
      "supportsMotionCapture":true,
      "supportsDIO":true,
      "orderNum":0,
      "securityId":"fb33896c-05d7-4852-8a27-1130bb2e6080",
      "name":"Chris' Desk"
    }
  ],
  "hardwareSystemDevices":[],
  "accessDevices":[]
}
```

POST /rules/events

A **POST** request creates a new event.

```
curl https://127.0.0.1/api/rules/events
    -X POST
    -H "Content-Type: application/json"
    -d @CreateEvent.json
```

Example of `CreateEvent.json`:

```
{
  "id":12,
  "name":"Anything Moving",
  "enabled":true,
  "orderNum":0,
  "cameras":[],
  "hardwareDevices":[
    {
      "type":1,
      "inputModule":null,
      "inputType":null,
      "supportsCameraTamper":false,
      "supportsMotionCapture":true,
      "supportsDIO":true,
      "orderNum":0,
      "securityId":"fb33896c-05d7-4852-8a27-1130bb2e6080",
      "name":"Chris' Desk"
    }
  ],
  "hardwareSystemDevices":[],
  "accessDevices":[]
}
```

DELETE /rules/events

A **DELETE** request deletes a list of events (*event_id*,*event_id*, ….).

```
curl https://127.0.0.1/api/rules/events
    -X DELETE
    -H "Content-Type: application/json"
    -d "[event_id,event_id]"
```

GET /rules/events/basic

A **GET** request retrieves a summary of all the events.

```
curl https://127.0.0.1/api/rules/events/basic
```

Example output:


```
{
  "currentPage":0,
  "pageCount":1,
  "items":[
    {
      "id":12,
      "name":"Anything Moving",
      "enabled":true,
      "deviceListString":["Chris' Desk"]
    },
    {
      "id":22,
      "name":"VMD 57",
      "enabled":true,
      "deviceListString":["AXIS M3007 Fisheye"]
    }
  ],
  "totalCount":2
}
```


GET /rules/events/{event_id}

A **GET** request retrieves the details for a specific event (*event_id*).

```
curl https://127.0.0.1/api/rules/events/event_id
```

Example output:


```
{
  "id":12,
  "name":"Anything Moving",
  "enabled":true,
  "orderNum":0,
  "cameras":[],
  "hardwareDevices":[
    {
      "type":1,
      "inputModule":null,
      "inputType":null,
      "supportsCameraTamper":false,
      "supportsMotionCapture":true,
      "supportsDIO":true,
      "orderNum":0,
      "securityId":"fb33896c-05d7-4852-8a27-1130bb2e6080",
      "name":"Chris' Desk"
    }
  ],
  "hardwareSystemDevices":[],
  "accessDevices":[],
  "inUseByRules":[
    "52756c65-0000-0000-0000-000000000013",
    "52756c65-0000-0000-0000-000000000028",
    "52756c65-0000-0000-0000-000000000029"
```

```
  ]
}
```

PUT /rules/events/{event_id}

A **PUT** request modifies a specific event (*event_id*).

```
curl https://127.0.0.1/api/rules/events/event_id
    -X PUT
    -H "Content-Type: application/json"
    -d @CreateAction.json
```

/schedules

GET /schedules

A **GET** request retrieves a list of all schedules.

```
curl https://127.0.0.1/api/schedules
```

Sample output:


```
{
  "currentPage":0,
  "pageCount":1,
  "items":[
    {
      "id":5,
      "systemRuleId":-2,
      "name":"Camera Tamper Schedule",
      "days":[
        "1440a",
        "1440a",
        "1440a",
        "1440a",
        "1440a",
        "1440a",
        "1440a"
      ],
      "exceptions":[],
      "lockedDown":false
    },
    {
      "id":2,
      "systemRuleId":-1,
      "name":"Lost Camera Connection",
      "days":[
        "1440a",
        "1440a",
        "1440a",
        "1440a",
        "1440a",
        "1440a",
        "1440a"
      ],
      "exceptions":[],
      "lockedDown":false
    },
    {
      "id":26,
      "systemRuleId":0,
      "name":"Work Hours + 3-4",
      "days":[
        "1440i",
        "180i60a300i480a420i",
        "180i60a300i480a420i",
        "180i60a300i480a420i",
        "180i60a300i480a420i",
        "180i60a300i480a420i",
        "1440i"
      ],
      "exceptions":[],
      "lockedDown":false
    }
  ],
  "totalCount":3
}
```

POST /schedules

A **POST** request creates a new schedule.

```
curl https://127.0.0.1/api/schedules
    -X POST
    -H "Content-Type: application/json"
    -d @CreateSchedule.json
```

Example of `CreateSchedule.json`:

```
{
  "name":"Inactive 9 - 5 Monday - Friday",
  "days":[
    "1440a",
    "540a480i420a",
    "540a480i420a",
    "540a480i420a",
    "540a480i420a",
    "540a480i420a",
    "1440a"
  ],
  "exceptions":[],
  "lockedDown":false
}
```

DELETE /schedules

A **DELETE** request deletes a list of events (*event_id*,*event_id*, ...).

```
curl https://127.0.0.1/api/schedules
    -X DELETE
    -H "Content-Type: application/json"
    -d "[32]"
```

GET /schedules/{schedule_id}

A **GET** request retrieves the details for a specific event (*schedule_id*).

```
curl https://127.0.0.1/api/schedules/2
```

Sample output:

```
{
  "id":2,
  "systemRuleId":-1,
  "name":"Lost Camera Connection",
  "days":[
    "1440a",
    "1440a",
    "1440a",
    "1440a",
    "1440a",
    "1440a",
    "1440a"
  ],
  "exceptions":[],
  "lockedDown":false
}
```

PUT /schedules/{schedule_id}

A **PUT** request modifies a specific schedule (*schedule_id*).

```
curl https://127.0.0.1/api/rules/events/31
    -X PUT
    -H "Content-Type: application/json"
```

```
    -d @CreateAction.json
```

/security

PUT /security/permissions/{target_device_ID}/copy/{source_device_id}

A **PUT** request copies the permissions from one device (*source_device_id*) to another device (*target_device_id*).

```
curl https://localhost/api/security/permissions/E2882CE7-B2A7-48AE-82D4-37AD79E24BB0/copy/
CE80B4F1-10E7-4340-8376-8D59E86C5464
  -X PUT
```

PUT /security/permissions/{device_id}

A **PUT** request sets the permission for a device (*device_id*).

```
curl https://localhost/api/security/permissions/E2882CE7-B2A7-48AE-82D4-37AD79E24BB0
  -X PUT
  -H "Content-Type: application/json"
  --data-binary "@.\PutPermissionsBody.txt"
```

Example of `PutPermissionsBody.txt`:

```
{
  "permissions":
  [
  {
   "id": 2000,
   "explicit": 1,
   "profileId": 1,
   "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
   "principalId": "E2882CE7-B2A7-48AE-82D4-37AD79E24BB0"
  },
  {
   "id": 2001,
   "explicit": 0,
   "profileId": 1,
   "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
   "principalId": "E2882CE7-B2A7-48AE-82D4-37AD79E24BB0"
  }
  ]
}
```

GET /security/rights/{resource_id}

A **GET** request retrieves the permissions for a specific resource (*resource_id*).

```
curl https://127.0.0.1/api/security/rights/3E7CBAD0-1946-4CC5-80AA-2A0162A9792B
```

Example output:

```
[
  {
    "id": 2000,
    "name": "6_3234_2000_1",
    "group": "DeviceRightGroupMisc"
  },
  {
    "id": 2001,
    "name": "6_3234_2001_1",
    "group": "DeviceRightGroupConfiguration"
  },
  {
    "id": 2002,
    "name": "6_3234_2002_1",
    "group": "DeviceRightGroupConfiguration"
  },
```

```
  {
    "id": 2003,
    "name": "6_3234_2003_1",
    "group": "DeviceRightGroupVideo"
  },
  {
    "id": 2004,
    "name": "6_3234_2004_1",
    "group": "DeviceRightGroupVideo"
  },
  {
    "id": 2005,
    "name": "6_3234_2005_1",
    "group": "DeviceRightGroupSearch"
  },
  {
    "id": 2006,
    "name": "6_3234_2006_1",
    "group": "DeviceRightGroupPTZ"
  },
  {
    "id": 2007,
    "name": "6_3234_2007_1",
    "group": "DeviceRightGroupAlarm"
  },
  {
    "id": 2008,
    "name": "6_3234_2008_1",
    "group": "DeviceRightGroupVideo"
  },
  {
    "id": 2009,
    "name": "6_3234_2009_1",
    "group": "DeviceRightGroupConfiguration"
  },
  {
    "id": 2010,
    "name": "6_3233_2010_1",
    "group": "DeviceRightGroupConfiguration"
  },
  {
    "id": 2011,
    "name": "6_3233_2011_1",
    "group": "DeviceRightGroupConfiguration"
  },
  {
    "id": 2012,
    "name": "DeviceRightCalibratePtzCamera",
    "group": "DeviceRightGroupPTZ"
  },
  {
    "id": 2013,
    "name": "DeviceRightAudioCanListen",
    "group": "DeviceRightGroupAudio"
  },
  {
    "id": 2014,
    "name": "DeviceRightAudioCanTalk",
    "group": "DeviceRightGroupAudio"
  },
  {
    "id": 2015,
    "name": "DeviceRightViewPrivateVideo",
    "group": "DeviceRightGroupVideo"
  },
  {
    "id": 2016,
    "name": "DeviceRightPTZPresets",
    "group": "DeviceRightGroupPTZ"
  },
  {
    "id": 2017,
    "name": "DeviceRightViewRestrictedHistoricalVideo",
    "group": "DeviceRightGroupVideo"
  },
  {
    "id": 2018,
    "name": "DeviceRightTriggerManualAlarm",
    "group": "DeviceRightGroupAlarm"
  },
```

```
  {
    "id": 2019,
    "name": "LPR_Security_Edit_Plate",
    "group": "DeviceRightGroupLPR"
  },
  {
    "id": 2020,
    "name": "DeviceRightZoom",
    "group": "DeviceRightGroupPTZ"
  },
  {
    "id": 2200,
    "name": "DioRightViewIOState",
    "group": "DioRightGroupMisc"
  },
  {
    "id": 2201,
    "name": "DioRightChangeIOState",
    "group": "DioRightGroupConfiguration"
  }
]
```

GET /security/profiles

A **GET** request retrieves general information about the security profiles.

```
curl https://127.0.0.1/api/security/profiles
```

Example output:

```
[
  {
    "id": 1,
    "name": "Default",
    "description": "Default security profile",
    "isActive": false
  },
  {
    "id": 2,
    "name": "Morning (denied)",
    "description": "",
    "isActive": true
  },
  {
    "id": 3,
    "name": "Night (allowed)",
    "description": "",
    "isActive": false
  }
]
```

PUT /security/profiles

A **PUT** request updates a specific security profile.

```
curl  https://localhost/api/security/profiles
  -X PUT
  -H "Content-Type: application/json"
  --data-binary "@.\UpdateSecurityProfileBody.txt"
```

Example of `UpdateSecurityProfileBody.txt`:

```
{
  "id": 2,
  "name": "UpdatedProfileName",
  "description": "Updated profile description",
}
```

POST /security/profiles/{profile_id}

A **POST** request creates a new security profile with permissions copied from a specific security profile (*profile_id*).

```
curl https://localhost/api/security/profiles/1
  -X POST
  -H "Content-Type: application/json"
  --data-binary "@.\SaveNewSecurityProfileBody.txt"
```

Example of `SaveNewSecurityProfileBody.txt`:

```
{
  "name": "NewProfileName",
  "description": "Description of new profile",
}
```

DELETE /security/profiles/{profile_id}

A **DELETE** request deletes a security profile (*profile_id*).

```
curl https://localhost/api/security/profiles/4
  -X DELETE
```

GET /security/profiles/{profile_id}/permissions/{user_id}/resources/{camera_id}

A **GET** request retrieves the permissions for a security profile (*profile_id*) with a user (*user_id*) for a camera (*camera_id*).

```
curl https://127.0.0.1/api/security/profiles/1/permissions/84102CD4-1DA0-44D8-A12C-1A4AEBDA15FF/
resources/3E7CBAD0-1946-4CC5-80AA-2A0162A9792B
```

Example output:

```
[
  {
    "id": 2000,
    "group": "DeviceRightGroupMisc",
    "name": "6_3234_2000_1",
    "description": "6_3234_2000_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2001,
    "group": "DeviceRightGroupConfiguration",
    "name": "6_3234_2001_1",
    "description": "6_3234_2001_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
```

```
    "id": 2002,
    "group": "DeviceRightGroupConfiguration",
    "name": "6_3234_2002_1",
    "description": "6_3234_2002_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2003,
    "group": "DeviceRightGroupVideo",
    "name": "6_3234_2003_1",
    "description": "6_3234_2003_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2004,
    "group": "DeviceRightGroupVideo",
    "name": "6_3234_2004_1",
    "description": "6_3234_2004_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2005,
    "group": "DeviceRightGroupSearch",
    "name": "6_3234_2005_1",
    "description": "6_3234_2005_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2006,
    "group": "DeviceRightGroupPTZ",
    "name": "6_3234_2006_1",
    "description": "6_3234_2006_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
```

```
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2007,
    "group": "DeviceRightGroupAlarm",
    "name": "6_3234_2007_1",
    "description": "6_3234_2007_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2008,
    "group": "DeviceRightGroupVideo",
    "name": "6_3234_2008_1",
    "description": "6_3234_2008_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2009,
    "group": "DeviceRightGroupConfiguration",
    "name": "6_3234_2009_1",
    "description": "6_3234_2009_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2010,
    "group": "DeviceRightGroupConfiguration",
    "name": "6_3233_2010_1",
    "description": "6_3233_2010_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2011,
    "group": "DeviceRightGroupConfiguration",
    "name": "6_3233_2011_1",
    "description": "6_3233_2011_2",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
```

```
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2012,
    "group": "DeviceRightGroupPTZ",
    "name": "DeviceRightCalibratePtzCamera",
    "description": "DeviceRightCalibratePtzCameraDesc",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2013,
    "group": "DeviceRightGroupAudio",
    "name": "DeviceRightAudioCanListen",
    "description": "DeviceRightAudioCanListenDesc",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2014,
    "group": "DeviceRightGroupAudio",
    "name": "DeviceRightAudioCanTalk",
    "description": "DeviceRightAudioCanTalkDesc",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2015,
    "group": "DeviceRightGroupVideo",
    "name": "DeviceRightViewPrivateVideo",
    "description": "DeviceRightViewPrivateVideoDesc",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2016,
    "group": "DeviceRightGroupPTZ",
```

```
    "name": "DeviceRightPTZPresets",
    "description": "DeviceRightPTZPresetsDesc",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2017,
    "group": "DeviceRightGroupVideo",
    "name": "DeviceRightViewRestrictedHistoricalVideo",
    "description": "DeviceRightViewRestrictedHistoricalVideoDesc",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2018,
    "group": "DeviceRightGroupAlarm",
    "name": "DeviceRightTriggerManualAlarm",
    "description": "DeviceRightTriggerManualAlarmDesc",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2019,
    "group": "DeviceRightGroupLPR",
    "name": "LPR_Security_Edit_Plate",
    "description": "LPR_Security_Edit_Plate",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2020,
    "group": "DeviceRightGroupPTZ",
    "name": "DeviceRightZoom",
    "description": "DeviceRightZoomDesc",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
```

```
    "isHidden": false
  },
  {
    "id": 2200,
    "group": "DioRightGroupMisc",
    "name": "DioRightViewIOState",
    "description": "DioRightViewIOStateDesc",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  },
  {
    "id": 2201,
    "group": "DioRightGroupConfiguration",
    "name": "DioRightChangeIOState",
    "description": "DioRightChangeIOStateDesc",
    "explicit": 1,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "3e7cbad0-1946-4cc5-80aa-2a0162a9792b",
    "resourceName": "AXISF44_10.234.9.39_4",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": true,
    "isHidden": false
  }
]
```


GET /security/profiles/{profile_id}/permissions/{user_id}/resources/site

A **GET** request returns the user (*user_id*) permissions for a profile (*profile_id*) by site.

```
curl https://127.0.0.1/api/security/profiles/1/permissions/84102CD4-1DA0-44D8-A12C-1A4AEBDA15FF/
resources/site
```

Example output:


```
[
  {
    "id": 1000,
    "group": "FarmRightGroupMisc",
    "name": "6_3234_1000_1",
    "description": "6_3234_1000_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1001,
    "group": "FarmRightGroupMisc",
    "name": "6_3234_1001_1",
    "description": "6_3234_1001_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
```

```
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1020,
    "group": "FarmRightGroupMisc",
    "name": "6_3234_1020_1",
    "description": "6_3234_1020_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1021,
    "group": "FarmRightGroupMisc",
    "name": "6_3234_1021_1",
    "description": "6_3234_1021_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": true
  },
  {
    "id": 1022,
    "group": "FarmRightGroupMisc",
    "name": "6_3234_1022_1",
    "description": "6_3234_1022_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1023,
    "group": "FarmRightGroupMisc",
    "name": "6_3234_1023_1",
    "description": "6_3234_1023_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1024,
    "group": "FarmRightGroupMisc",
    "name": "6_3234_1024_1",
    "description": "6_3234_1024_2",
    "explicit": 0,
```

```
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1025,
    "group": "FarmRightGroupMisc",
    "name": "6_3234_1025_1",
    "description": "6_3234_1025_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1026,
    "group": "FarmRightGroupMisc",
    "name": "6_3234_1026_1",
    "description": "6_3234_1026_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1100,
    "group": "FarmRightGroupConfiguration",
    "name": "6_3234_1100_1",
    "description": "6_3234_1100_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1101,
    "group": "FarmRightGroupConfiguration",
    "name": "6_3234_1101_1",
    "description": "6_3234_1101_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
```

```
    "id": 1102,
    "group": "FarmRightGroupConfiguration",
    "name": "6_3234_1102_1",
    "description": "6_3234_1102_2",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
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    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
```

```
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1909,
    "group": "FarmRightGroupLPR",
    "name": "LPR_MANAGE_SPECIAL_CHARS",
    "description": "LPR_Security_Manage_Special_Characters_Description",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1950,
    "group": "FarmRightGroupFaceRec",
    "name": "VE420_Security_View_Faces_Name",
    "description": "VE420_Security_View_Faces_Description",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1951,
    "group": "FarmRightGroupFaceRec",
    "name": "VE420_Security_Change_Faces_Name",
    "description": "VE420_Security_Change_Faces_Description",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1952,
    "group": "FarmRightGroupFaceRec",
    "name": "VE420_Security_Manage_Face_Lists_Name",
    "description": "VE420_Security_Manage_Face_Lists_Description",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1960,
    "group": "FarmRightGroupPOS",
    "name": "POS_SECURITY_VIEW_DATA",
    "description": "POS_SECURITY_VIEW_DATA_DESCRIPTION",
    "explicit": 0,
    "effective": 1,
```

```
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  },
  {
    "id": 1961,
    "group": "FarmRightGroupPOS",
    "name": "POS_SECURITY_CHANGE_DATA",
    "description": "POS_SECURITY_CHANGE_DATA_DESCRIPTION",
    "explicit": 0,
    "effective": 1,
    "inherited": 1,
    "profileId": 1,
    "resourceId": "814b68bb-eec9-4bb4-b2de-1abe10cb982e",
    "resourceName": "[dev-eavis]",
    "principalId": "84102cd4-1da0-44d8-a12c-1a4aebda15ff",
    "principalName": "admin",
    "isEditable": true,
    "enforced": false,
    "isHidden": false
  }
]
```

/devicegroups

GET /devicegroups

A **GET** request retrieves a list of all device groups.

```
curl https://127.0.0.1/api/devicegroups
```

Example output:


```
[
  {
    "groupId": "44657669-6365-7300-0000-000000000000",
    "securityId": "44657669-6365-7300-0000-000000000000",
    "parentGroupId": "00000000-0000-0000-0000-000000000000",
    "name": "<All Devices>",
    "canInsertMember": true,
    "canRemoveMember": true,
    "canEdit": true,
    "canDelete": true,
    "isDevicesGroup": false,
    "isThinClientsGroup": false
  },
  {
    "groupId": "4382f1c6-47bb-44b0-ab34-1a4b1923c5be",
    "securityId": "4382f1c6-47bb-44b0-ab34-1a4b1923c5be",
    "parentGroupId": "44657669-6365-7300-0000-000000000000",
    "name": "",
    "canInsertMember": true,
    "canRemoveMember": true,
    "canEdit": true,
    "canDelete": true,
    "isDevicesGroup": false,
    "isThinClientsGroup": true
  },
  {
    "groupId": "191bb8ab-099a-41ad-9e8e-bf4854a72d15",
    "securityId": "191bb8ab-099a-41ad-9e8e-bf4854a72d15",
    "parentGroupId": "44657669-6365-7300-0000-000000000000",
    "name": "",
    "canInsertMember": true,
    "canRemoveMember": true,
    "canEdit": true,
    "canDelete": true,
    "isDevicesGroup": true,
    "isThinClientsGroup": false
  }
]
```


PUT /devicegroups/devicetree

A **PUT** request can create or delete a device group, and move devices between groups.

A **PUT** request can create a new device group.

```
curl https://127.0.0.1:443/api/devicegroups/devicetree/
    -X PUT
    -H "Content-Type: application/json"
    -d @add_group.json
```

Example of `add_group.json`:


```
[
        {
                "action": "AddGroup",
                "securityId": "69a63424-b335-4aea-9c39-880042488ccb",
                "parentGroupId": "44657669-6365-7300-0000-000000000000"
        },
        {
```

```
                "action": "RenameGroup",
                "securityId": "69a63424-b335-4aea-9c39-880042488ccb",
                "name": "New Group"
        }
]
```

A **PUT** request can move a camera to a new device group.

```
curl https://127.0.0.1:443/api/devicegroups/devicetree/
    -X PUT
    -H "Content-Type: application/json"
    -d @move_group.json
```

Example of `move_device.json`:

```
[
        {
                "action": "RemoveDeviceFromGroup",
                "securityId": "20693d7d-7493-4e71-8d69-bd08f5abcd29",
                "parentGroupId": "191bb8ab-099a-41ad-9e8e-bf4854a72d15"
        },
        {
                "action": "AddDeviceToGroup",
                "securityId": "20693d7d-7493-4e71-8d69-bd08f5abcd29",
                "parentGroupId": "69a63424-b335-4aea-9c39-880042488ccb"
        }
]
```

A **PUT** request can copy a camera to the main devices group.

```
curl https://127.0.0.1:443/api/devicegroups/devicetree/
    -X PUT
    -H "Content-Type: application/json"
    -d @copy_device.json
```

Example of `copy_device.json`:

```
[
        {
                "action": "AddDeviceToGroup",
                "securityId": "20693d7d-7493-4e71-8d69-bd08f5abcd29",
                "parentGroupId": "191bb8ab-099a-41ad-9e8e-bf4854a72d15"
        }
]
```

A **PUT** request can remove a camera from a device group.

```
curl https://127.0.0.1:443/api/devicegroups/devicetree/
    -X PUT
    -H "Content-Type: application/json"
    -d @remove_device.json
```

Example of `remove_device.json`:

```
[
        {
                "action": "RemoveDeviceFromGroup",
                "securityId": "20693d7d-7493-4e71-8d69-bd08f5abcd29",
                "parentGroupId": "69a63424-b335-4aea-9c39-880042488ccb"
        }
]
```

A **PUT** request can delete a device group.

```
curl https://127.0.0.1:443/api/devicegroups/devicetree/
    -X PUT
    -H "Content-Type: application/json"
    -d @remove_group.json
```

Example of `remove_group.json`:

```
[
        {
                "action": "DeleteGroup",
                "securityId": "69a63424-b335-4aea-9c39-880042488ccb",
                "parentGroupId": "191bb8ab-099a-41ad-9e8e-bf4854a72d15"
        }
]
```

/videowalls

GET /videowalls

A **GET** request retrieves a list of all device groups.

```
curl https://127.0.0.1/api/videowalls
```

Example output:


```
[
  {
    "id": "3dbfda49-0f75-45d8-bdb4-0fb8d83d2fe6",
    "name": "test",
    "controllers": [
      {
        "name": "JOSIC",
        "label": "JOSIC:50005-M1",
        "macAddress": "F8-32-E4-C0-7D-64",
        "port": 50005,
        "monitors": [
          {
            "id": 1,
            "label": "JOSIC:50005-M1",
            "left": 0,
            "top": 33,
            "width": 400,
            "height": 245
          }
        ]
      }
    ],
    "parentIds": [
      "b71f147a-3c7b-4dae-b9a7-3c46d1357d20"
    ]
  },
  {
    "id": "4512206c-bd56-4304-b806-d1d765270ad7",
    "name": "Video Wall 1",
    "controllers": [
      {
        "name": "JOSIC",
        "label": "JOSIC:50005-M1",
        "macAddress": "F8-32-E4-C0-7D-64",
        "port": 50005,
        "monitors": [
          {
            "id": 1,
            "label": "JOSIC:50005-M1",
            "left": 0,
            "top": 25,
            "width": 400,
            "height": 245
          }
        ]
      }
    ],
    "parentIds": [
      "b71f147a-3c7b-4dae-b9a7-3c46d1357d20"
    ]
  }
]
```


GET /videowalls/{videowall_id}

A **GET** request retrieves the details about a videowall (*videowall_id*).

```
curl https://127.0.0.1:443/api/videowalls/3dbfda49-0f75-45d8-bdb4-0fb8d83d2fe6
```

Example output:

```
{
  "id": "3dbfda49-0f75-45d8-bdb4-0fb8d83d2fe6",
  "name": "test",
  "controllers": [
    {
      "name": "JOSIC",
      "label": "JOSIC:50005-M1",
      "macAddress": "F8-32-E4-C0-7D-64",
      "port": 50005,
      "monitors": [
        {
          "id": 1,
          "label": "JOSIC:50005-M1",
          "left": 0,
          "top": 33,
          "width": 400,
          "height": 245
        }
      ]
    }
  ],
  "parentIds": [
    "b71f147a-3c7b-4dae-b9a7-3c46d1357d20"
  ]
}
```

GET /videowalls/groups

A **GET** request retrieves the details about a videowall groups.

```
curl https://127.0.0.1:443/api/videowalls/groups
```

Example output:

```
[
  {
    "id": "b71f147a-3c7b-4dae-b9a7-3c46d1357d20",
    "parentIds": [],
    "name": "<All Video Walls>",
    "description": "The video wall root group."
  }
]
```

GET /videowalls/panels/{videowall_name}

A **GET** request retrieves the panels of a videowall (*videowall_name*).

```
curl https://127.0.0.1:443/api/videowalls/panels/test
```

Example output:

```
[
  "JOSIC:50005-MV Console-P2,0",
  "JOSIC:50005-MV Console-P1,0",
  "JOSIC:50005-MV Console-P4,0",
  "JOSIC:50005-MV Console-P3,0"
]
```

PUT /videowalls/switchpanel/{panel_name}/{camera_id}

A **PUT** request displays a camera (*camera_id*) in a videowall panel (*panel_name*).

```
curl https://127.0.0.1:443/api/videowalls/switchPanel/50005-MV%20Console-P1/23
        -X PUT
```

PUT /videowalls/switchpanel/{panel_name}/{camera_id}/{time_ms}/play_boolean

A **PUT** request displays a camera (*camera_id*) in a videowall panel (*panel_name*) and either plays the video (*play_boolean* = true) or displays an image (*play_boolean* = false) at a specific time (*time_ms*).

```
curl https://127.0.0.1:443/api/videowalls/switchPanelHistorical/50005-MV%20Console-
P1/23/1583175807000/false
        -X PUT
```

PUT /videowalls/changePanelCount/{panel_name}/{panel_count}

A **PUT** request changes the number of camera views (*panel_count*) in a panel (*panel_name*).

```
curl https://127.0.0.1:443/api/videowalls/changePanelCount/50005-MV%20Console-P1/1
        -X PUT
```

PUT /videowalls/navigatepanel/{panel_name}/{navigation_command}

A **PUT** request applies a command (*navigation_command*) to the video in the camera view panel (*panel_name*).

```
curl https://127.0.0.1:443/api/videowalls/navigatePanel/50005-MV%20Console-P1/1
        -X PUT
```

Navigation commands

Command	Value	Description
NAV_1FRAME_BACK	1	Navigate the video back one frame.
NAV_1FRAME_FORWARD	2	Navigate the video forward one frame.
NAV_1SEC_BACK	8	Navigate the video back one second.
NAV_1SEC_FORWARD	16	Navigate the video forward one second.
NAV_10SEC_BACK	32	Navigate the video back ten seconds.
NAV_10SEC_FORWARD	64	Navigate the video forward ten seconds.
NAV_PLAY	128	Play the video.
NAV_STOP	256	Stop the video.
NAV_ACTIVITY_BACK	512	Navigate the video back to the last activity.
NAV_ACTIVITY_FORWARD	1024	Navigate the video forward to the next activity.
NAV_ALARM_BACK	2048	Navigate the video back to the last alarm.
NAV_ALARM_FORWARD	4096	Navigate the video forward to the next alarm.
NAV_LIVE	8192	Resume live video.

Command	Value	Description
NAV_BLANK_CAMERA	262144	Clear the camera view panel. This command corresponds to the View Blank Camera command in the Senstar Symphony Client.

PUT /videowalls/switchmonitor/{videowall_id}/{mac_address}/{port}/{monitor_id}/{camera_id}

A **PUT** request switches the view on a monitor (*monitor_id*, *mac_address*, *port*) of a videowall (*videowall_id*), to a camera (*camera_id*).

```
curl https://127.0.0.1:443/api/videowalls/switchMonitor/3dbfda49-0f75-45d8-bdb4-0fb8d83d2fe6/
F8-32-E4-C0-7D-64/50005/1/23
        -X PUT
```

PUT /videowalls/switchMonitorHistorical/{videowall_id}/{mac_address}/{port}/{monitor_id}/{camera_id}/{milliseconds}/{play_boolean}

A **PUT** request switches the view on a monitor (*monitor_id*, *mac_address*, *port*) of a videowall (*videowall_id*), to a camera (*camera_id*) at a specific time (*milliseconds*) and either plays video (true) or displays an image (false) (*play_boolean*).

```
curl https://127.0.0.1:443/api/videowalls/switchMonitorHistorical/3dbfda49-0f75-45d8-
bdb4-0fb8d83d2fe6/F8-32-E4-C0-7D-64/50005/1/23/1583175807000/false
        -X PUT
```

POST /videowalls/createmultiview/{ip_address}/{x}/{y}/{fullscreen_panel_id}

A **POST** request creates a multi-camera view for the videowall on a Senstar Symphony Client (*ip_address*) at the coordinates (*x*, *y*).

```
curl https://127.0.0.1:443/api/videowalls/createMultiview/10.0.0.75/0/0/-1
        -X POST
        -H "Content-Type: application/json"
        -d @createMultiviewPanel.json
```

Example of `createMultiviewPanel.json`:

```
[
        {
                "timestamp": 0,
                "displayType": "LiveVideo",
                "renderMode": "VR_DEFAULT",
                "cameraId": 23
        }
]
```

GET /videowalls/cameraOnPanel/{videowall_name}/{panel_name}

A **GET** request returns the name of the camera shown in a panel (*panel_name*) of a videowall (*videowall_name*).

```
curl https://127.0.0.1:443/api/videowalls/cameraOnPanel/test/JOSIC:50005-MV%20Console-P1
```

/site

GET /site/sharedViews

A **GET** request retrieves details of the shared views.

```
curl https://127.0.0.1/api/site/sharedViews
```

Example output:


```
[{"name":"MyFourCamera","viewData":"<MultiView ID=\"MV Console\" CameraViewName=\"MyFourCamera
\">
<Toolbar><TitleBar visible=\"True\" /><Decorations visible=\"False\" /><Timeline visible=\"False
\" />
<SynchronizeTimes enabled=\"False\" /><Fullscreen disabled=\"True\" /></Toolbar><DockManager>
<XtraSerializer version=\"1.0\" application=\"CDockManager\"><property name=\"#LayoutVersion\" /
>
<property name=\"AutoHiddenPanelCaptionShowMode\">ShowForAllPanels</property>
<property name=\"DockingOptions\" isnull=\"true\" iskey=\"true\">
<property name=\"AutoHidePanelVerticalTextOrientation\">Default</property>
<property name=\"CursorFloatCanceled\" isnull=\"true\" /><property name=
\"HideImmediatelyOnAutoHide\">true</property>
<property name=\"CloseActiveTabOnly\">true</property><property name=\"CloseActiveFloatTabOnly
\">false</property>
<property name=\"ShowCaptionOnMouseHover\">false</property><property name=\"ShowCaptionImage
\">false</property>
<property name=\"DockPanelInTabContainerTabRegion\">DockImmediately</property>
<property name=\"DockPanelInCaptionRegion\">Default</property><property name=
\"ShowMaximizeButton\">false</property>
<property name=\"ShowAutoHideButton\">false</property><property name=\"ShowCloseButton\">true</
property>
<property name=\"FloatOnDblClick\">true</property></property><property name=\"ActivePanelID
\">-1</property>
<property name=\"XtraSerializableScreenConfiguration\" iskey=\"true\" value=\"3\">
<property name=\"Item1\">@1,X=0@1,Y=0@4,Width=1920@4,Height=1080</property>
<property name=\"Item2\">@4,X=1920@1,Y=0@4,Width=1920@4,Height=1080</property>
<property name=\"Item3\">@4,X=3840@3,Y=394@4,Width=1600@3,Height=900</property></property>
<property name=\"AllowGlyphSkinning\">false</property><property name=\"Panels\" iskey=\"true\"
 value=\"6\">
<property name=\"Item1\" isnull=\"true\" iskey=\"true\"><property name=\"FloatVertical\">false</
property>
<property name=\"DockVertical\">Default</property><property name=\"FloatLocation
\">@1,X=0@1,Y=0</property>
<property name=\"Dock\">Fill</property><property name=\"Header\" /><property name=\"Footer\" />
<property name=\"Tabbed\">false</property><property name=\"XtraZIndex\">0</property>
<property name=\"DockedAsTabbedDocument\">false</property><property name=\"TabsPosition
\">Bottom</property>
<property name=\"TabsScroll\">false</property><property name=\"ImageIndex\">-1</property>
<property name=\"XtraSavedParentID\">-1</property><property name=\"OriginalSize
\">@3,Width=200@3,Height=200</property>
<property name=\"XtraActiveChildID\">-1</property><property name=\"Visibility\">Visible</
property>
<property name=\"TabText\" /><property name=\"AllowGlyphSkinning\">Default</property>
<property name=\"AllowCustomHeaderButtonsGlyphSkinning\">Default</property><property name=\"Hint
\" />
<property name=\"Text\">M5065_10.234.9.226</property><property name=\"XtraID\">0</property>
<property name=\"ID\">6533b5fe-96e9-46c2-99eb-1b9744b64e6f</property>
<property name=\"Options\" isnull=\"true\" iskey=\"true\"><property name=\"AllowFloating
\">true</property>
<property name=\"AllowDockLeft\">true</property><property name=\"AllowDockRight\">true</
property>
<property name=\"AllowDockTop\">true</property><property name=\"AllowDockBottom\">true</
property>
<property name=\"AllowDockFill\">true</property><property name=\"AllowDockAsTabbedDocument
\">true</property>
<property name=\"ResizeDirection\">All</property><property name=\"ShowMaximizeButton\">false</
property>
<property name=\"ShowAutoHideButton\">false</property><property name=\"ShowCloseButton\">true</
property>
<property name=\"FloatOnDblClick\">false</property></property><property name=\"XtraParentID
\">2</property>
<property name=\"XtraBounds\">@1,X=0@1,Y=0@3,Width=667@3,Height=499</property>
```

```
<property name=\"FloatSize\">@3,Width=200@3,Height=200</property><property name=
\"XtraAutoHideContainerDock\">Float</property>
<property name=\"MyName\">DEV-EAVIS:50005-MV Console-P3</property>
<property name=\"MyCamViewId\">698a3e1c-4bac-4eb4-bf60-145d27f4412a</property>
<property name=\"MyCarouselState\" /><property name=\"SavedMdiDocument\">false</property>
<property name=\"Count\">0</property><property name=\"SavedTabbed\">false</property>
<property name=\"SavedIndex\">-1</property><property name=\"SavedDock\">Float</property></
property>
<property name=\"Item2\" isnull=\"true\" iskey=\"true\"><property name=\"FloatVertical\">false</
property>
<property name=\"DockVertical\">Default</property><property name=\"FloatLocation
\">@1,X=0@1,Y=0</property>
<property name=\"Dock\">Fill</property><property name=\"Header\" /><property name=\"Footer\" />
<property name=\"Tabbed\">false</property><property name=\"XtraZIndex\">1</property>
<property name=\"DockedAsTabbedDocument\">false</property><property name=\"TabsPosition
\">Bottom</property>
<property name=\"TabsScroll\">false</property><property name=\"ImageIndex\">-1</property>
<property name=\"XtraSavedParentID\">-1</property><property name=\"OriginalSize
\">@3,Width=200@3,Height=200</property>
<property name=\"XtraActiveChildID\">-1</property><property name=\"Visibility\">Visible</
property>
<property name=\"TabText\" /><property name=\"AllowGlyphSkinning\">Default</property>
<property name=\"AllowCustomHeaderButtonsGlyphSkinning\">Default</property><property name=\"Hint
\" />
<property name=\"Text\">DinionIP_10.234.2.116</property><property name=\"XtraID\">1</property>
<property name=\"ID\">85d48554-dc75-4ffe-9b4d-016b2b6ab9a1</property><property name=\"Options\"
 isnull=\"true\" iskey=\"true\">
<property name=\"AllowFloating\">true</property><property name=\"AllowDockLeft\">true</property>
<property name=\"AllowDockRight\">true</property><property name=\"AllowDockTop\">true</property>
<property name=\"AllowDockBottom\">true</property><property name=\"AllowDockFill\">true</
property>
<property name=\"AllowDockAsTabbedDocument\">true</property><property name=\"ResizeDirection
\">All</property>
<property name=\"ShowMaximizeButton\">false</property><property name=\"ShowAutoHideButton
\">false</property>
<property name=\"ShowCloseButton\">true</property><property name=\"FloatOnDblClick\">false</
property></property>
<property name=\"XtraParentID\">2</property><property name=\"XtraBounds
\">@3,X=667@1,Y=0@3,Width=667@3,Height=499</property>
<property name=\"FloatSize\">@3,Width=200@3,Height=200</property><property name=
\"XtraAutoHideContainerDock\">Float</property>
<property name=\"MyName\">DEV-EAVIS:50005-MV Console-P4</property>
<property name=\"MyCamViewId\">c78bffc2-f58a-435f-90d5-2071c83cd177</property><property name=
\"MyCarouselState\" />
<property name=\"SavedMdiDocument\">false</property><property name=\"Count\">0</property>
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```

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```

POST /site/sharedViews

A **POST** request creates a new shared view.

```
curl https://localhost/api/site/sharedViews
    -X POST
    -H "Content-Type: application/json"
    --data-binary "@.\AddSharedViewBody.txt"
```

Example of `AddSharedViewBody.txt`:

```
{
    "name": "NewSharedViewName",
    "viewData": "<MultiView ID=\"MV Console\" CameraViewName=\"MyFourCamera\"><Toolbar><TitleBar
 visible=\"True\" />
    <Decorations visible=\"False\" /><Timeline visible=\"False\" /><SynchronizeTimes enabled=
\"False\" />
    <Fullscreen disabled=\"True\" /></Toolbar><DockManager><XtraSerializer version=\"1.0\"
 application=\"CDockManager\">
    <property name=\"#LayoutVersion\" /><property name=\"AutoHiddenPanelCaptionShowMode
\">ShowForAllPanels</property>
    <property name=\"DockingOptions\" isnull=\"true\" iskey=\"true\"><property name=
\"AutoHidePanelVerticalTextOrientation\">
    Default</property><property name=\"CursorFloatCanceled\" isnull=\"true\" /><property name=
\"HideImmediatelyOnAutoHide\">
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\"CloseActiveFloatTabOnly\">false
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```

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\" />
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    <property name=\"DockedAsTabbedDocument\">false</property><property name=\"TabsPosition
\">Bottom</property>
    <property name=\"TabsScroll\">false</property><property name=\"ImageIndex\">-1</property>
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    </property><property name=\"XtraActiveChildID\">-1</property><property name=\"Visibility
\">Visible</property>
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    <property name=\"AllowCustomHeaderButtonsGlyphSkinning\">Default</property><property name=
\"Hint\" />
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    <property name=\"ID\">b17f7f8a-1487-43f9-9d65-440cdc6ecafd</property><property name=
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 name=\"AllowDockLeft\">true
```

```
    </property><property name=\"AllowDockRight\">true</property><property name=\"AllowDockTop
\">true</property>
    <property name=\"AllowDockBottom\">true</property><property name=\"AllowDockFill\">true</
property>
    <property name=\"AllowDockAsTabbedDocument\">true</property><property name=\"ResizeDirection
\">All</property>
    <property name=\"ShowMaximizeButton\">false</property><property name=\"ShowAutoHideButton
\">false</property>
    <property name=\"ShowCloseButton\">true</property><property name=\"FloatOnDblClick\">false</
property></property>
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\">@1,X=0@3,Y=500@4,Width=1334@3,Height=499
    </property><property name=\"FloatSize\">@4,Width=1334@3,Height=499</property>
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\">panelContainer1</property>
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\"SavedMdiDocument\">false
    </property><property name=\"Count\">2</property><property name=\"SavedTabbed\">false</
property>
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property>
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\">false</property>
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\">@1,X=0@1,Y=0</property>
    <property name=\"Dock\">Fill</property><property name=\"Header\" /><property name=\"Footer
\" />
    <property name=\"Tabbed\">false</property><property name=\"XtraZIndex\">0</property>
    <property name=\"DockedAsTabbedDocument\">false</property><property name=\"TabsPosition
\">Bottom</property>
    <property name=\"TabsScroll\">false</property><property name=\"ImageIndex\">-1</property>
    <property name=\"XtraSavedParentID\">-1</property><property name=\"OriginalSize
\">@3,Width=200@3,Height=200</property>
    <property name=\"XtraActiveChildID\">-1</property><property name=\"Visibility\">Visible</
property>
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    <property name=\"AllowCustomHeaderButtonsGlyphSkinning\">Default</property><property name=
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 name=\"AllowDockLeft\">
    true</property><property name=\"AllowDockRight\">true</property><property name=
\"AllowDockTop\">true</property>
    <property name=\"AllowDockBottom\">true</property><property name=\"AllowDockFill\">true</
property>
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\">All</property>
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\">false</property>
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\">false</property></property>
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\">@1,X=0@1,Y=0@3,Width=667@3,Height=500
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EAVIS:50005-MV Console-P1
    </property><property name=\"MyCamViewId\">53145429-0318-459d-86c1-efbdf3399db6</property>
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property><property name=\"SavedIndex\">-1
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    iskey=\"true\"><property name=\"FloatVertical\">false</property><property name=
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property>
    <property name=\"Header\" /><property name=\"Footer\" /><property name=\"Tabbed\">false</
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    <property name=\"XtraZIndex\">1</property><property name=\"DockedAsTabbedDocument\">false</
property>
    <property name=\"TabsPosition\">Bottom</property><property name=\"TabsScroll\">false</
property>
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property>
    <property name=\"OriginalSize\">@3,Width=200@3,Height=200</property><property name=
\"XtraActiveChildID\">-1</property>
    <property name=\"Visibility\">Visible</property><property name=\"TabText\" />
```

```
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fd35d6720101</property>
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\">true</property>
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property>
    <property name=\"AllowDockTop\">true</property><property name=\"AllowDockBottom\">true</
property>
    <property name=\"AllowDockFill\">true</property><property name=\"AllowDockAsTabbedDocument
\">true</property>
    <property name=\"ResizeDirection\">All</property><property name=\"ShowMaximizeButton
\">false</property>
    <property name=\"ShowAutoHideButton\">false</property><property name=\"ShowCloseButton
\">true</property>
    <property name=\"FloatOnDblClick\">false</property></property><property name=\"XtraParentID
\">5</property>
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    <property name=\"FloatSize\">@3,Width=200@3,Height=200</property><property name=
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    Float</property><property name=\"MyName\">DEV-EAVIS:50005-MV Console-P2</property><property
 name=\"MyCamViewId\">
    206e2fdc-e6ff-410c-87ad-4ee4771e86be</property><property name=\"MyCarouselState\" />
    <property name=\"SavedMdiDocument\">false</property><property name=\"Count\">0</property>
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\"true\" iskey=\"true\">
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property>
    <property name=\"FloatLocation\">@1,X=0@1,Y=0</property><property name=\"Dock\">Bottom</
property>
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property>
    <property name=\"XtraZIndex\">0</property><property name=\"DockedAsTabbedDocument\">false</
property>
    <property name=\"TabsPosition\">Bottom</property><property name=\"TabsScroll\">false</
property>
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property>
    <property name=\"OriginalSize\">@3,Width=200@3,Height=500</property><property name=
\"XtraActiveChildID\">-1</property>
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\"AllowGlyphSkinning\">
    Default</property><property name=\"AllowCustomHeaderButtonsGlyphSkinning\">Default</
property>
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\"XtraID\">5</property>
    <property name=\"ID\">17125d16-038e-4001-9cdb-1aa012a8d92b</property><property name=
\"Options\" isnull=\"true\"
    iskey=\"true\"><property name=\"AllowFloating\">true</property><property name=
\"AllowDockLeft\">true</property>
    <property name=\"AllowDockRight\">true</property><property name=\"AllowDockTop\">true</
property>
    <property name=\"AllowDockBottom\">true</property><property name=\"AllowDockFill\">true</
property>
    <property name=\"AllowDockAsTabbedDocument\">true</property><property name=\"ResizeDirection
\">All</property>
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\">false</property>
    <property name=\"ShowCloseButton\">true</property><property name=\"FloatOnDblClick\">false</
property></property>
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\">@1,X=0@1,Y=0@4,Width=1334@3,Height=500
    </property><property name=\"FloatSize\">@4,Width=1334@3,Height=500</property><property name=
\"XtraAutoHideContainerDock\">
    Float</property><property name=\"MyName\">panelContainer2</property><property name=
\"MyCamViewId\" />
    <property name=\"MyCarouselState\" /><property name=\"SavedMdiDocument\">false</
property><property name=\"Count\">
    2</property><property name=\"SavedTabbed\">false</property><property name=\"SavedIndex
\">-1</property>
    <property name=\"SavedDock\">Float</property></property></property><property name=
\"AutoHideContainers\"
    iskey=\"true\" value=\"0\" /><property name=\"TopZIndexControls\" iskey=\"true\" value=
\"4\">
    <property name=\"Item1\">DevExpress.XtraBars.BarDockControl</property><property name=
\"Item2\">
```

```
    System.Windows.Forms.StatusBar</property><property name=
\"Item3\">DevExpress.XtraBars.Ribbon.RibbonStatusBar</property>
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XtraSerializer></DockManager>
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    "cameraData": "<List_x0060_1><CSettings><MuteSound>True</MuteSound><CreatorType /><Name>DEV-
EAVIS:50005-MV Console-P3</Name>
    <Locked>False</Locked><HideUntilNextActivity>False</
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SwitchOnAlarm>
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IsSwitchLimitedToCameras>
    <SwitchLimitedToCameras /><SwitchLimitedToRules /><SwitchOnViewChangeSelected>False</
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    <SwitchOnViewChange /><ShowDecorations>False</ShowDecorations><Decorations>79</
Decorations><SwitchAction>NONE
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FarmId><CameraId>173</CameraId>
    <Name>M5065_10.234.9.226</Name></SerializableCamera><TimeLineLocked>False</
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    <ShowVideo>True</ShowVideo><ShowPictureInPicture>False</
ShowPictureInPicture><PictureInPictureLocation>
    BottomRight</PictureInPictureLocation><DewarpSelection>-1</
DewarpSelection><FishEyePosition /><HideSeconds>60</HideSeconds>
    <RestoreSeconds>60</RestoreSeconds><VideoRenderMode>0</
VideoRenderMode><VideoQuality>Default</VideoQuality>
    <ShowUserMsg>False</ShowUserMsg><UserMsgLength>300</UserMsgLength><IsFullScreen>False</
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    <IsFocused>False</IsFocused></CSettings><CSettings><MuteSound>True</MuteSound><CreatorType /
>
    <Name>DEV-EAVIS:50005-MV Console-P4</Name><Locked>False</
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    </IsSwitchLimitedToCameras><SwitchLimitedToCameras /><SwitchLimitedToRules /
><SwitchOnViewChangeSelected>False
    </SwitchOnViewChangeSelected><SwitchOnViewChange /><ShowDecorations>False</
ShowDecorations><Decorations>79</Decorations>
    <SwitchAction>NONE</SwitchAction><SwitchTo>SWITCH_VIDEO</
SwitchTo><SerializableCamera><FarmId>121096</FarmId><CameraId>
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TimeLineLocked>
    <ShowTimeLine>False</ShowTimeLine><ShowVideo>True</ShowVideo><ShowPictureInPicture>False</
ShowPictureInPicture>
    <PictureInPictureLocation>BottomRight</PictureInPictureLocation><DewarpSelection>-1</
DewarpSelection><FishEyePosition />
    <HideSeconds>60</HideSeconds><RestoreSeconds>60</RestoreSeconds><VideoRenderMode>0</
VideoRenderMode>
    <VideoQuality>Default</VideoQuality><ShowUserMsg>False</ShowUserMsg><UserMsgLength>300</
UserMsgLength>
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    </HideUntilNextActivity><EnsureVisible>False</EnsureVisible><DelayRestore>False</
DelayRestore>
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SwitchOnAlarm><ShowCamerasOnAlarm>False
    </ShowCamerasOnAlarm><IsSwitchLimitedToCameras>False</
IsSwitchLimitedToCameras><SwitchLimitedToCameras />
    <SwitchLimitedToRules /><SwitchOnViewChangeSelected>False</
SwitchOnViewChangeSelected><SwitchOnViewChange />
    <ShowDecorations>False</ShowDecorations><Decorations>79</Decorations><SwitchAction>NONE</
SwitchAction><SwitchTo>
    SWITCH_VIDEO</SwitchTo><SerializableCamera><FarmId>121096</FarmId><CameraId>162</
CameraId><Name>211_10.234.2.191
    </Name></SerializableCamera><TimeLineLocked>False</TimeLineLocked><ShowTimeLine>False</
ShowTimeLine><ShowVideo>True
    </ShowVideo><ShowPictureInPicture>False</
ShowPictureInPicture><PictureInPictureLocation>BottomRight
```

```
    </PictureInPictureLocation><DewarpSelection>-1</DewarpSelection><FishEyePosition /
><HideSeconds>60</HideSeconds>
    <RestoreSeconds>60</RestoreSeconds><VideoRenderMode>0</
VideoRenderMode><VideoQuality>Default</VideoQuality>
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IsFullScreen><IsFocused>
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><SwitchOnViewChangeSelected>False
    </SwitchOnViewChangeSelected><SwitchOnViewChange /><ShowDecorations>False</ShowDecorations>
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SwitchTo><SerializableCamera>
    <FarmId>121096</FarmId><CameraId>147</CameraId><Name>AXISF44_10.234.9.39_1</Name></
SerializableCamera>
    <TimeLineLocked>False</TimeLineLocked><ShowTimeLine>False</ShowTimeLine><ShowVideo>True</
ShowVideo>
    <ShowPictureInPicture>False</ShowPictureInPicture><PictureInPictureLocation>BottomRight</
PictureInPictureLocation>
    <DewarpSelection>-1</DewarpSelection><FishEyePosition /><HideSeconds>60</
HideSeconds><RestoreSeconds>60
    </RestoreSeconds><VideoRenderMode>0</VideoRenderMode><VideoQuality>Default</
VideoQuality><ShowUserMsg>False
    </ShowUserMsg><UserMsgLength>300</UserMsgLength><IsFullScreen>False</
IsFullScreen><IsFocused>False</IsFocused>
    </CSettings></List_x0060_1>"
}
```

PUT /site/sharedViews/NewSharedViewName

A **PUT** request modifies a shared view.

```
curl https://localhost/api/site/sharedViews/NewSharedViewName
    -X PUT
    -H "Content-Type: application/json"
    --data-binary "@.\UpdateSharedViewBody.txt"
```

Example of `UpdateSharedViewBody.txt`:

```
{
    "name": "ModifiedSharedViewName",
    "viewData": "<MultiView ID=\"MV Console\" CameraViewName=\"MyFourCamera\"><Toolbar><TitleBar
 visible=\"True\" />
    <Decorations visible=\"False\" /><Timeline visible=\"False\" /><SynchronizeTimes enabled=
\"False\" />
    <Fullscreen disabled=\"True\" /></Toolbar><DockManager><XtraSerializer version=\"1.0\"
 application=\"CDockManager\">
    <property name=\"#LayoutVersion\" /><property name=\"AutoHiddenPanelCaptionShowMode
\">ShowForAllPanels</property>
    <property name=\"DockingOptions\" isnull=\"true\" iskey=\"true\"><property name=
\"AutoHidePanelVerticalTextOrientation\">
    Default</property><property name=\"CursorFloatCanceled\" isnull=\"true\" /><property name=
\"HideImmediatelyOnAutoHide\">true
    </property><property name=\"CloseActiveTabOnly\">true</property><property name=
\"CloseActiveFloatTabOnly\">false</property>
    <property name=\"ShowCaptionOnMouseHover\">false</property><property name=\"ShowCaptionImage
\">false</property>
    <property name=\"DockPanelInTabContainerTabRegion\">DockImmediately</property><property
 name=\"DockPanelInCaptionRegion\">
    Default</property><property name=\"ShowMaximizeButton\">false</property><property name=
\"ShowAutoHideButton\">false
    </property><property name=\"ShowCloseButton\">true</property><property name=
\"FloatOnDblClick\">true</property></property>
    <property name=\"ActivePanelID\">-1</property><property name=
\"XtraSerializableScreenConfiguration\" iskey=\"true\"
    value=\"3\"><property name=\"Item1\">@1,X=0@1,Y=0@4,Width=1920@4,Height=1080</
property><property name=\"Item2\">@4,X=1920@1,
    Y=0@4,Width=1920@4,Height=1080</property><property name=
\"Item3\">@4,X=3840@3,Y=394@4,Width=1600@3,Height=900</property>
```

```
    </property><property name=\"AllowGlyphSkinning\">false</property><property name=\"Panels\"
 iskey=\"true\" value=\"6\">
    <property name=\"Item1\" isnull=\"true\" iskey=\"true\"><property name=\"FloatVertical
\">false</property>
    <property name=\"DockVertical\">Default</property><property name=\"FloatLocation
\">@1,X=0@1,Y=0</property>
    <property name=\"Dock\">Fill</property><property name=\"Header\" /><property name=\"Footer
\" /><property name=\"Tabbed\">
    false</property><property name=\"XtraZIndex\">0</property><property name=
\"DockedAsTabbedDocument\">false</property>
    <property name=\"TabsPosition\">Bottom</property><property name=\"TabsScroll\">false</
property><property name=\"ImageIndex\">
    -1</property><property name=\"XtraSavedParentID\">-1</property><property name=\"OriginalSize
\">@3,Width=200@3,Height=200
    </property><property name=\"XtraActiveChildID\">-1</property><property name=\"Visibility
\">Visible</property>
    <property name=\"TabText\" /><property name=\"AllowGlyphSkinning\">Default</
property><property
    name=\"AllowCustomHeaderButtonsGlyphSkinning\">Default</property><property name=\"Hint\" />
    <property name=\"Text\">M5065_10.234.9.226</property><property name=\"XtraID\">0</property>
    <property name=\"ID\">6533b5fe-96e9-46c2-99eb-1b9744b64e6f</property><property name=
\"Options\" isnull=\"true\"
    iskey=\"true\"><property name=\"AllowFloating\">true</property><property name=
\"AllowDockLeft\">true</property>
    <property name=\"AllowDockRight\">true</property><property name=\"AllowDockTop\">true</
property>
    <property name=\"AllowDockBottom\">true</property><property name=\"AllowDockFill\">true</
property>
    <property name=\"AllowDockAsTabbedDocument\">true</property><property name=\"ResizeDirection
\">All</property>
    <property name=\"ShowMaximizeButton\">false</property><property name=\"ShowAutoHideButton
\">false</property>
    <property name=\"ShowCloseButton\">true</property><property name=\"FloatOnDblClick\">false</
property></property>
    <property name=\"XtraParentID\">2</property><property name=\"XtraBounds
\">@1,X=0@1,Y=0@3,Width=667@3,Height=499</property>
    <property name=\"FloatSize\">@3,Width=200@3,Height=200</property><property name=
\"XtraAutoHideContainerDock\">Float</property>
    <property name=\"MyName\">DEV-EAVIS:50005-MV Console-P3</property><property name=
\"MyCamViewId\">698a3e1c-4bac-4eb4-bf60-145d27f4412a
    </property><property name=\"MyCarouselState\" /><property name=\"SavedMdiDocument\">false</
property><property
    name=\"Count\">0</property><property name=\"SavedTabbed\">false</property><property name=
\"SavedIndex\">-1</property>
    <property name=\"SavedDock\">Float</property></property><property name=\"Item2\" isnull=
\"true\" iskey=\"true\">
    <property name=\"FloatVertical\">false</property><property name=\"DockVertical\">Default</
property>
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    <property name=\"DockedAsTabbedDocument\">false</property><property name=\"TabsPosition
\">Bottom</property>
    <property name=\"TabsScroll\">false</property><property name=\"ImageIndex\">-1</
property><property name=\"XtraSavedParentID\">-1
    </property><property name=\"OriginalSize\">@3,Width=200@3,Height=200</property><property
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><property name=\"AllowGlyphSkinning\">
    Default</property><property name=\"AllowCustomHeaderButtonsGlyphSkinning\">Default</
property><property name=\"Hint\" />
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property>
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    iskey=\"true\"><property name=\"AllowFloating\">true</property><property name=
\"AllowDockLeft\">true</property>
    <property name=\"AllowDockRight\">true</property><property name=\"AllowDockTop\">true</
property><property
    name=\"AllowDockBottom\">true</property><property name=\"AllowDockFill\">true</
property><property
    name=\"AllowDockAsTabbedDocument\">true</property><property name=\"ResizeDirection\">All</
property>
    <property name=\"ShowMaximizeButton\">false</property><property name=\"ShowAutoHideButton
\">false</property>
    <property name=\"ShowCloseButton\">true</property><property name=\"FloatOnDblClick\">false</
property></property>
    <property name=\"XtraParentID\">2</property><property name=\"XtraBounds
\">@3,X=667@1,Y=0@3,Width=667@3,Height=499</property>
```

```
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\"MyCamViewId\">c78bffc2-f58a-435f-90d5-2071c83cd177
    </property><property name=\"MyCarouselState\" /><property name=\"SavedMdiDocument\">false</
property><property name=\"Count\">0</property>
    <property name=\"SavedTabbed\">false</property><property name=\"SavedIndex\">-1</
property><property name=\"SavedDock\">Float</property>
    </property><property name=\"Item3\" isnull=\"true\" iskey=\"true\"><property name=
\"FloatVertical\">false</property>
    <property name=\"DockVertical\">Default</property><property name=\"FloatLocation
\">@1,X=0@1,Y=0</property>
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DELETE /site/sharedViews/{shared_view_name}

A **DELETE** request deletes a shared view (*shared_view_name*).

```
curl https://localhost/api/site/sharedViews/ModifiedSharedViewName
    -X DELETE
```

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