



**SIMPLIFYING
COMPLEXITY**



FEDERATOR® USER GUIDE V.2.6



6SS

Table of Contents

Introduction	4
Federator Main Features	5
Management/Configuration	5
Monitoring	5
Reporting	6
Getting Started	7
System Requirements	7
Quick Start	7
System Introduction	8
Federator Setup	9
Federator Application	10
Site Configuration	12
Recording Servers	15
Devices	16
Smart & Management Client Profiles	18
Rules & Events	19
Alarms	22
Security	23
Server Logs	24
Reports	25
Services	28
System Monitor	29
Diagnostics Tool	31
Configuration Report	32
Remote Assistance	34
FAQ	35

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Introduction

6SS Federator® is a Milestone Management Client Plug-in that was developed by 6SS lead Software Engineers in order to act as an additional layer to Milestone XProtect to make the management of Milestone XProtect more efficient and simple.

With Federator plugin you can save hours of time, provide better customer support by centralizing all XProtect sites operations, including configuration and reporting, in one centralized interface. This eliminates the need to login to each site, which can be time consuming especially in a multisite environment and huge deployments.

This Plug-in allows the administrators to manage and configure multiple XProtect sites, visualize XProtect with dashboards, and create beautiful customer-ready reports.

Federator® Main Features

Management/Configuration

- Copy rules, events and alarms from HQ site to all/selected sites
- Enable/Disable rules, events and alarms per site
- Delete rules, events and alarms from all/selected sites
- Change Camera settings (fps, resolution, codec) for all/selected models and apply to all/selected sites
- Create/Delete users and roles
- Copy time, smart client, management client profiles to all/selected sites
- Start/Stop/Restart all/selected Milestone services for all/selected sites
- Add/Remove additional sites that do not belong to the federation architecture
- Backup/Restore Milestone configuration files for each site including
- Surveillance log database
- Remote assistance for federated sites with access privilege

Monitoring

- View the added rules, events and alarms for each federated site
- View all cameras and detected models per site
- View all recording servers with their related hardware per site
- View all configured microphones, speakers, metadata, inputs, and outputs
- View rules, events and alarms creation log files
- View and filter the log file (system, audit, rule-triggered) for all federated sites
- View live feed from any camera
- Check the recording of devices over all sites including the database, storage path, recording start date, recording hours and retain hours
- Dashboards and Charts with live statistics for federated sites including sites' status, CPU and memory counter levels, number of configured recording servers, cameras, models, device groups, device status, rules and alarms

Reporting

- Device report (Name, Device type, Address, MAC Address, Status, login ID, live and recorded stream, etc...)
- Hardware Inventory report for all/selected sites
- Camera recording report with recording status, database, storage path, recording start date, and recording a retain hours.
- Recording servers with its related information including recording disk sizes, used space and free space report
- Milestone configuration reports
- Ability to search and filter the reports
- Ability to export the reports in Excel/PDF format

The screenshot displays the Federator reporting interface. On the left is a navigation tree with categories like Servers, Recording Servers, Devices, Cameras, Microphones, Speakers, Metadata, Input, Output, Profiles, Smart Client Profiles, Management Client Profiles, Rules and Events, Alarms, Security, Roles, Basic Users, Server Logs, Reports, and Services. The 'Reports' section is expanded to show 'Devices', 'Inventory', 'Camera Recording', and 'Recording Servers'. The 'Recording Servers' report is selected, showing a list of recording servers.

In the center, the 'Sites' panel shows a list of sites: PLUTO6\SQLEXPRESS, PLUTO5-CHILD, and PLUTO6\SQLEXPRESS.

On the right, the 'Recording Servers' report is displayed as a table with the following columns: Device, Device Name, Description, Device Type, Address, MacAddress, Enabled, IDHardware, HardwareName, IDRecorder, RecorderName, and HostName. The table contains 20 rows of data, with the first row highlighted in blue. The 'Enabled' column has checkboxes, with two rows (c5ce1f... and 80075...) checked.

Device	Device Name	Description	Device Type	Address	MacAddress	Enabled	IDHardware	HardwareName	IDRecorder	RecorderName	HostName
3e3aa...	AXIS P1353 Netw...			http://192.168.10...	00408CDE6856		1a5e4ab8-9b16-...	AXIS P1353 Netw...	03225F52-9D86-...	PLUTO8	PLU...
9c777...	AXIS M1054 Net...			http://192.168.10...	00408CEB628F		1f44e3af-a112-4...	AXIS M1054 Net...	03225F52-9D86-...	PLUTO8	PLU...
c26e2...	AXIS P1353 Netw...			http://192.168.10...	00408CDE6856		1a5e4ab8-9b16-...	AXIS P1353 Netw...	03225F52-9D86-...	PLUTO8	PLU...
ca129...	AXIS M1054 Net...			http://192.168.10...	00408CEB628F		1f44e3af-a112-4...	AXIS M1054 Net...	03225F52-9D86-...	PLUTO8	PLU...
48afca...	AXIS M1054 Net...			http://192.168.10...	00408CEB628F	<input checked="" type="checkbox"/>	1f44e3af-a112-4...	AXIS M1054 Net...	03225F52-9D86-...	PLUTO8	PLU...
c5ce1f...	AXIS P1353 Netw...			http://192.168.10...	00408CDE6856	<input checked="" type="checkbox"/>	1a5e4ab8-9b16-...	AXIS P1353 Netw...	03225F52-9D86-...	PLUTO8	PLU...
2c366...	AXIS P1353 Netw...			http://192.168.10...	00408CDE6856		1a5e4ab8-9b16-...	AXIS P1353 Netw...	03225F52-9D86-...	PLUTO8	PLU...
80075...	AXIS M1054 Net...			http://192.168.10...	00408CEB628F		1f44e3af-a112-4...	AXIS M1054 Net...	03225F52-9D86-...	PLUTO8	PLU...
9146ef...	AXIS M1054 Net...			http://192.168.10...	00408CEB628F		1f44e3af-a112-4...	AXIS M1054 Net...	03225F52-9D86-...	PLUTO8	PLU...
da9f57...	AXIS P1353 Netw...			http://192.168.10...	00408CDE6856		1a5e4ab8-9b16-...	AXIS P1353 Netw...	03225F52-9D86-...	PLUTO8	PLU...
f560a1...	AXIS M1054 Net...			http://192.168.10...	00408CEB628F		1f44e3af-a112-4...	AXIS M1054 Net...	03225F52-9D86-...	PLUTO8	PLU...
06ec5...	AXIS P1353 Netw...			http://192.168.10...	00408CDE6856		1a5e4ab8-9b16-...	AXIS P1353 Netw...	03225F52-9D86-...	PLUTO8	PLU...
08164...	AXIS P1353 Netw...			http://192.168.10...	00408CDE6856		1a5e4ab8-9b16-...	AXIS P1353 Netw...	03225F52-9D86-...	PLUTO8	PLU...
12964f...	AXIS P1353 Netw...			http://192.168.10...	00408CDE6856		1a5e4ab8-9b16-...	AXIS P1353 Netw...	03225F52-9D86-...	PLUTO8	PLU...
29fb94...	AXIS P1353 Netw...			http://192.168.10...	00408CDE6856		1a5e4ab8-9b16-...	AXIS P1353 Netw...	03225F52-9D86-...	PLUTO8	PLU...

Getting Started

System Requirements

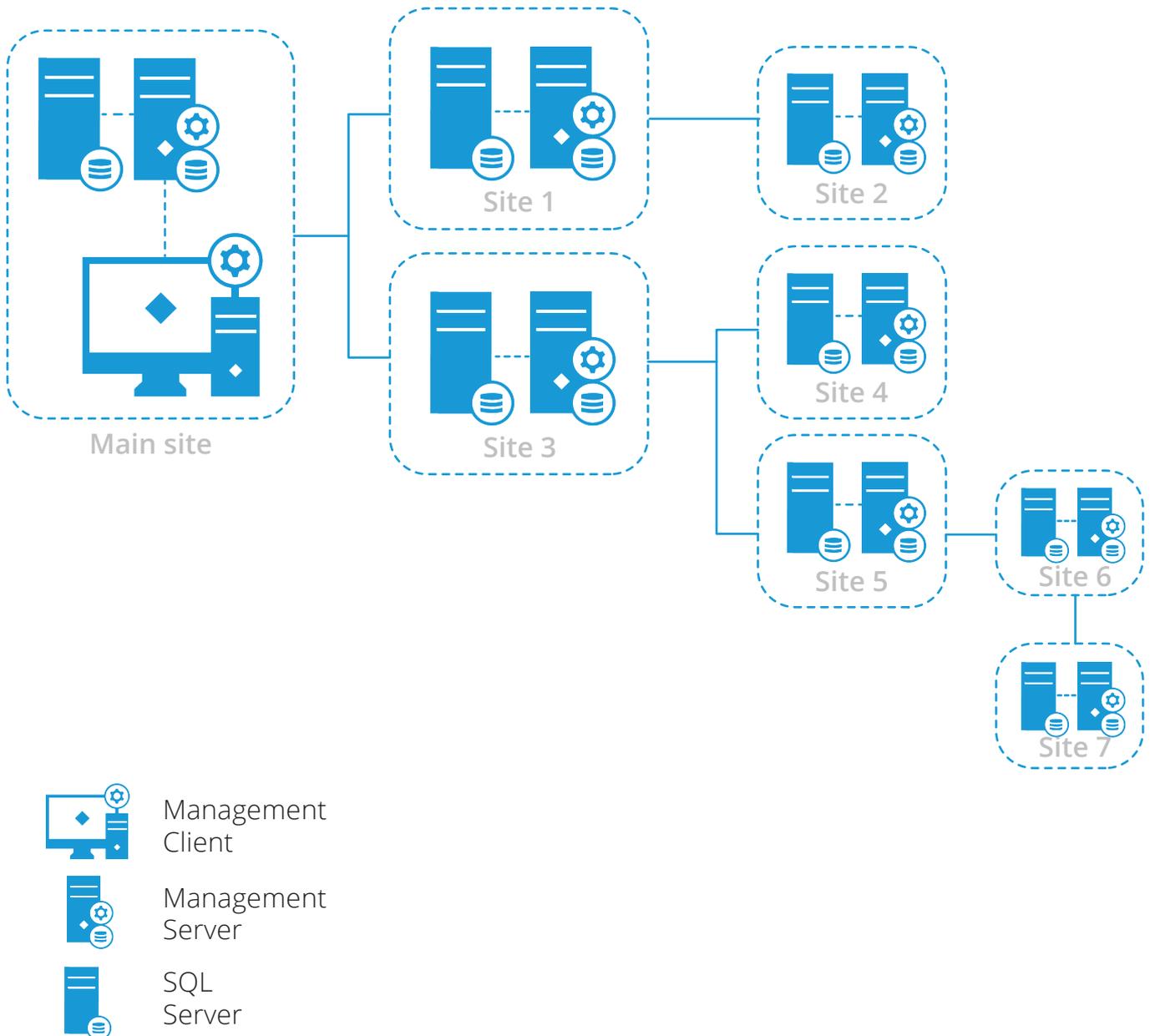
- Windows OS 8.1 or above
- Microsoft SQL Server 2012 SP1 or above
- Milestone XProtect Corporate, XProtect Expert, XProtect Professional+, or XProtect Express+
- Federator® Plugin v1.1.20 or above

Quick Start

- Ports must be enabled for TCP/IP (1433), UDP (1434), File and printer sharing (SMB-In) (445), File and Printer Sharing (Echo Request - ICMPv4-In)
- SQL Browser must be enabled and running
- Milestone XProtect installed.
- Microsoft SQL Server Management Studio installed.
- Named pipes and TCP/IP protocols enabled for all sites.
- Restart SQL Server Service.
- Run the Federator.msi.

System Introduction

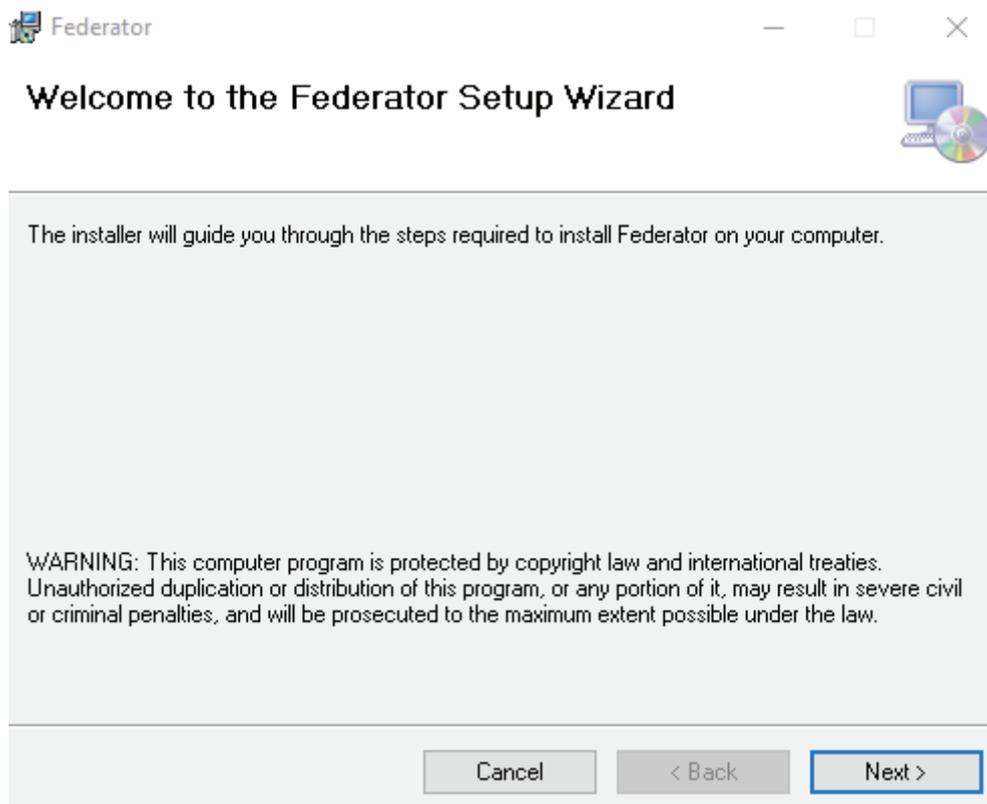
The below figure describes the Federator® architecture which consists of one main site and unlimited number of child sites. With the Federator® setup installed on the main site you can directly use the Federator® plugin without the need to login to the child site for any configuration.



Federator® Setup

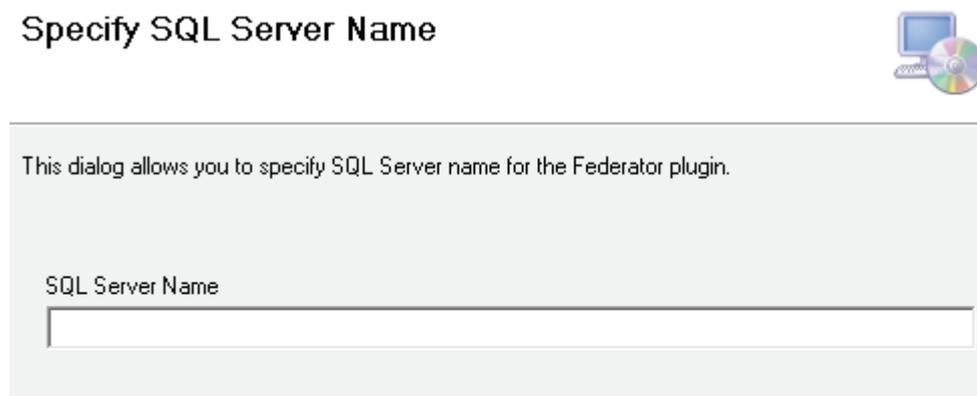


First copy [Federator.msi](#) installer to HQ server or to a dedicated server where Microsoft SQL server is installed. Double click on the installer to start the installation process. Click [Next](#) to continue.



Enter SQL Server name and click [Next](#). The wizard will guide you through the steps from the default installation folder to the completed installation along with a shortcut created on the desktop.

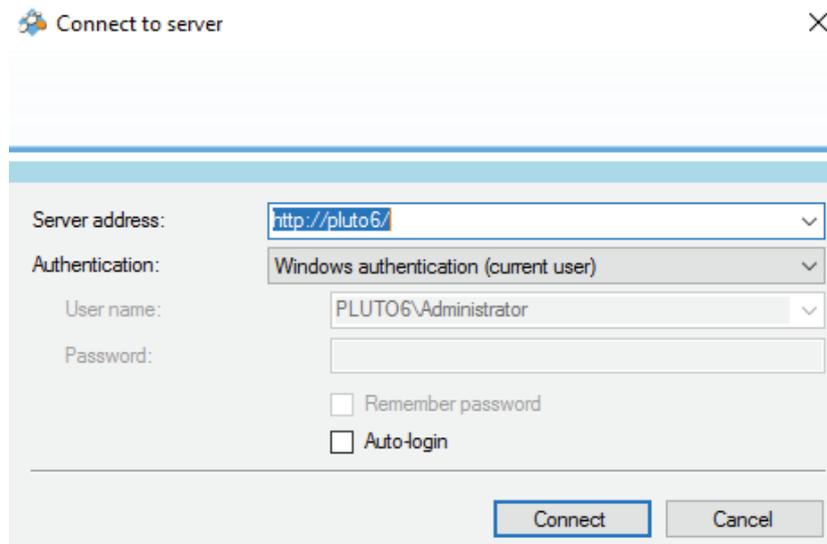
Specify SQL Server Name



Federator® Application



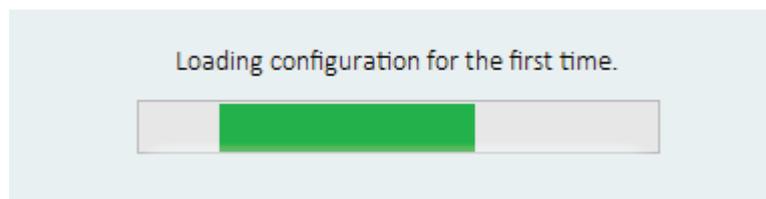
Double click on [Federator.exe](#), enter HQ management server and click [Connect](#).

A screenshot of the 'Connect to server' dialog box. The dialog has a title bar with a close button. The main area contains the following fields and options:

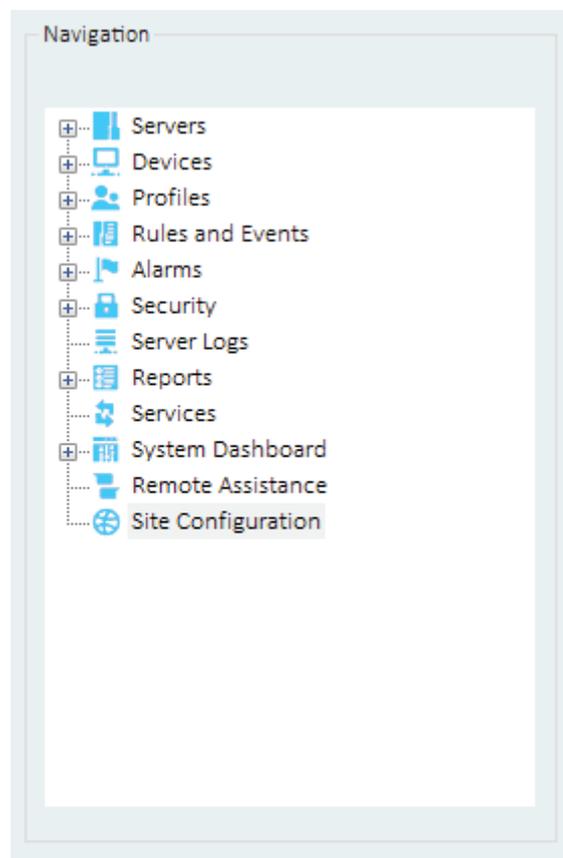
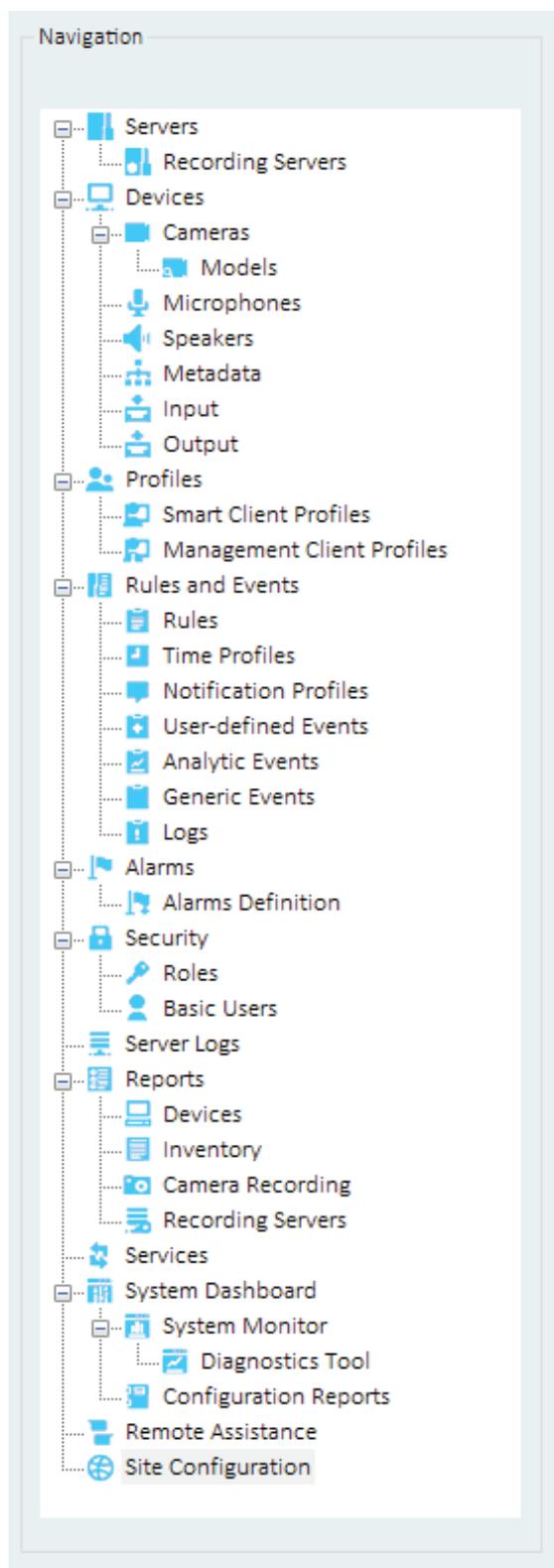
- Server address: A dropdown menu with 'http://pluto6/' selected.
- Authentication: A dropdown menu with 'Windows authentication (current user)' selected.
- User name: A dropdown menu with 'PLUTO6\Administrator' selected.
- Password: An empty text input field.
- Remember password: An unchecked checkbox.
- Auto-login: An unchecked checkbox.

At the bottom right, there are two buttons: 'Connect' and 'Cancel'.

Wait until the configuration is loaded for the first time only.



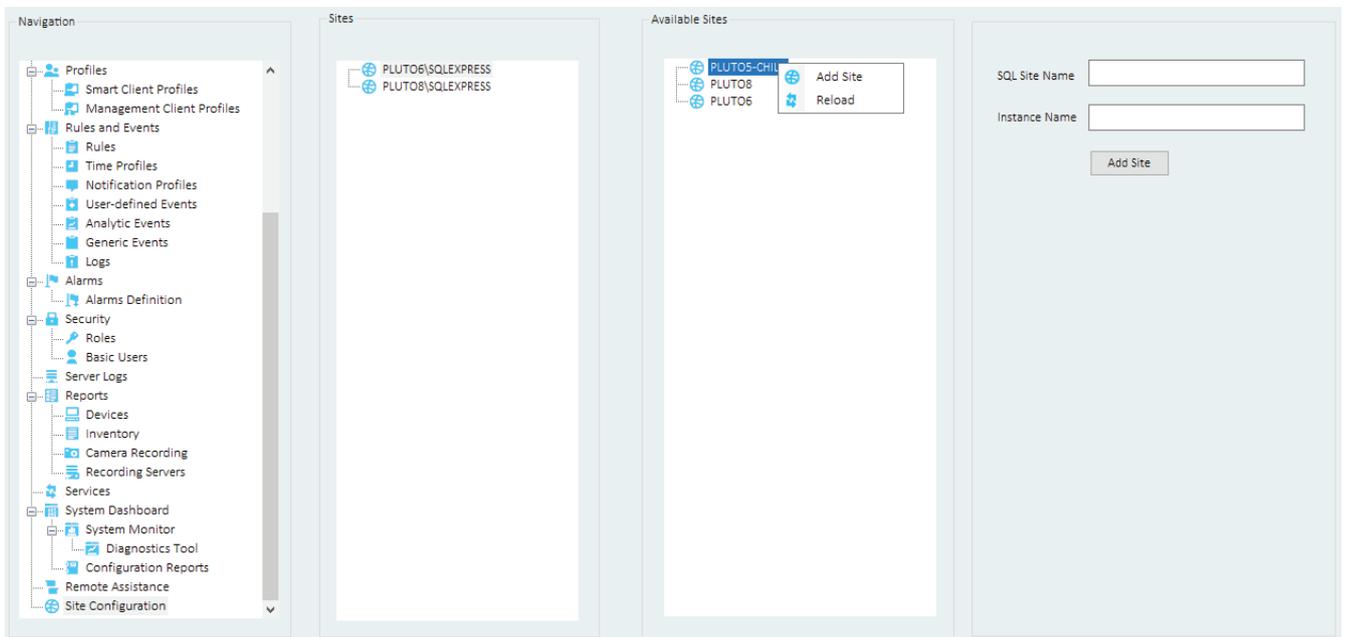
Once loaded, use the [Navigation](#) pane to check all the functionalities.



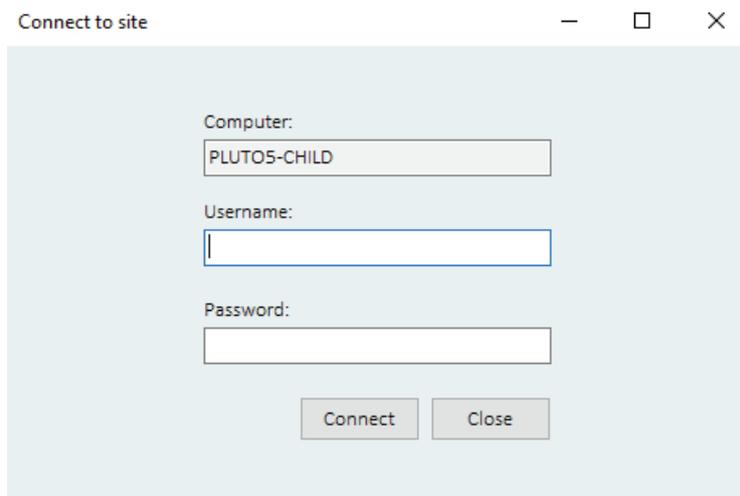
Site Configuration

First, navigate to [Site Configuration](#) node, and choose to add from the list of available sites the ones needed to be configured later within the Federator® plugin.

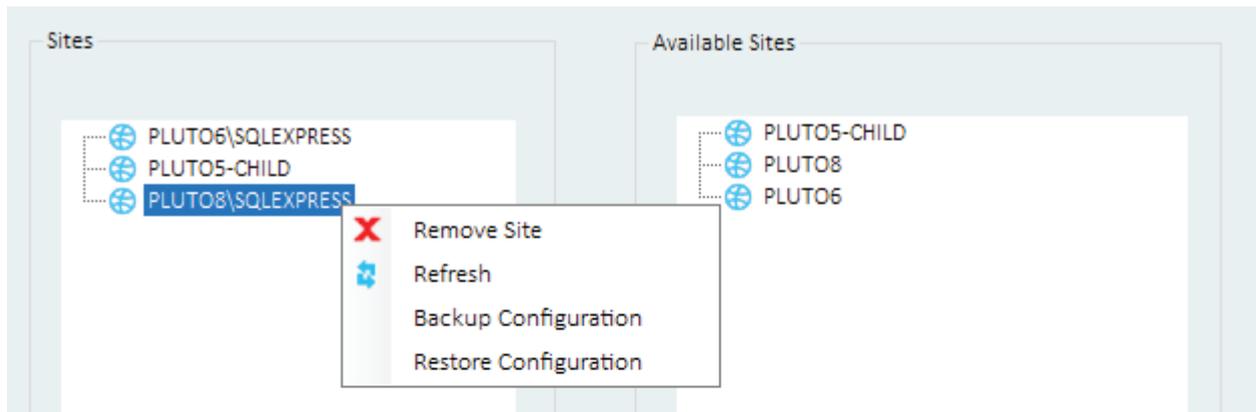
In case a site is not present within the available sites, try to add it by typing the SQL server name along with the SQL instance name in case it is a named instance.



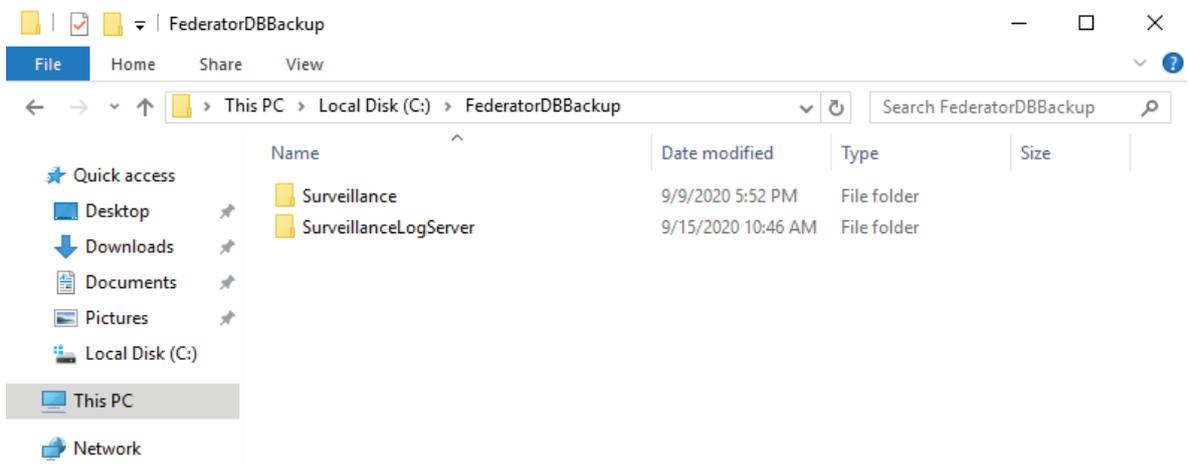
When adding a child site, you need to specify the user credentials used to connect to Milestone Management Server.



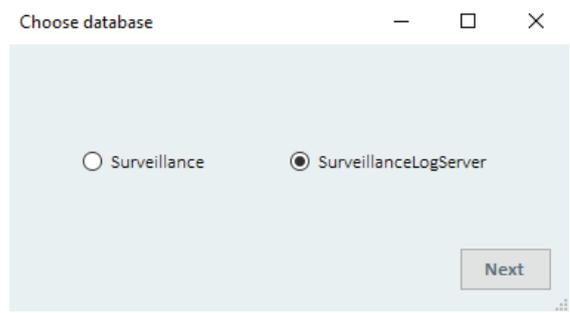
Choose to backup/ restore Milestone Surveillance and SurveillanceLogServerV2 configuration files, or remove the site if needed.



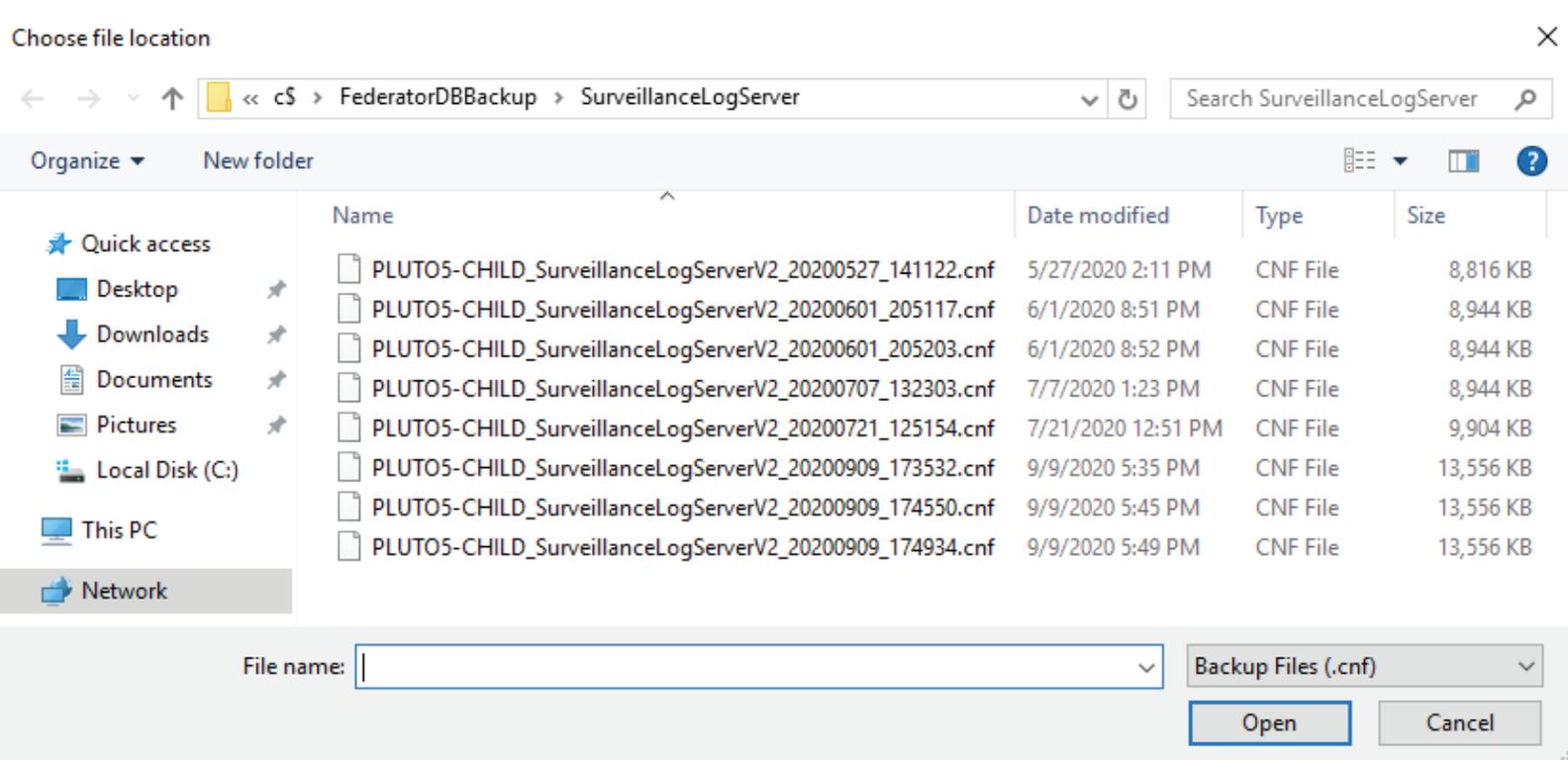
The configuration backup files will be saved on C:\FederatorDBBackup and it's on related database folder.



When restoring configuration database, you need to select the database that needs to be restored along with the relevant configuration file.

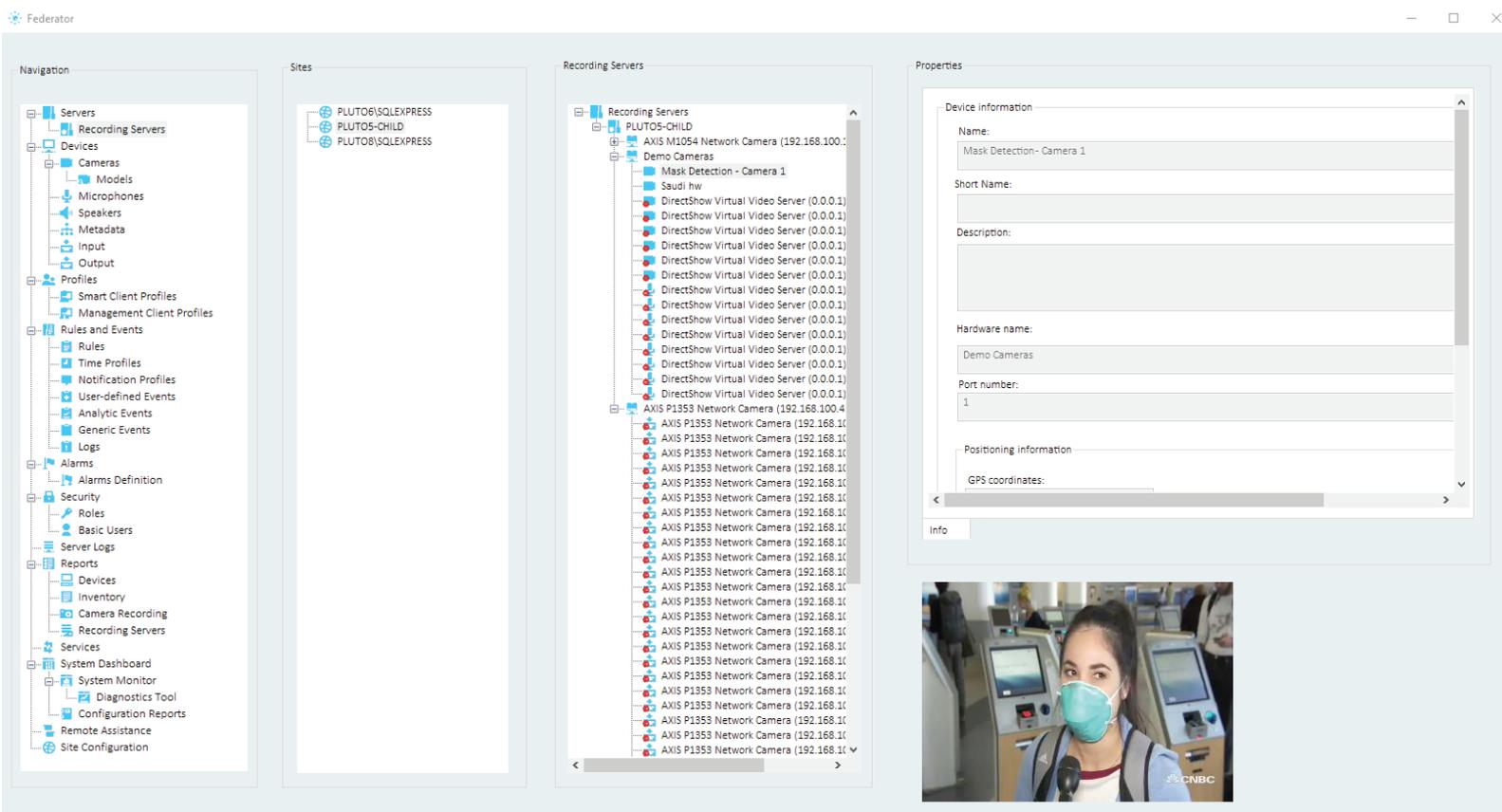


You will be automatically directed to the relevant configuration path.



Recording Servers

To view recording servers and its related hardware, navigate to Servers> Recording Servers, and select a site from Sites pane. Check also the live feeding for each camera configured on the related recording server.

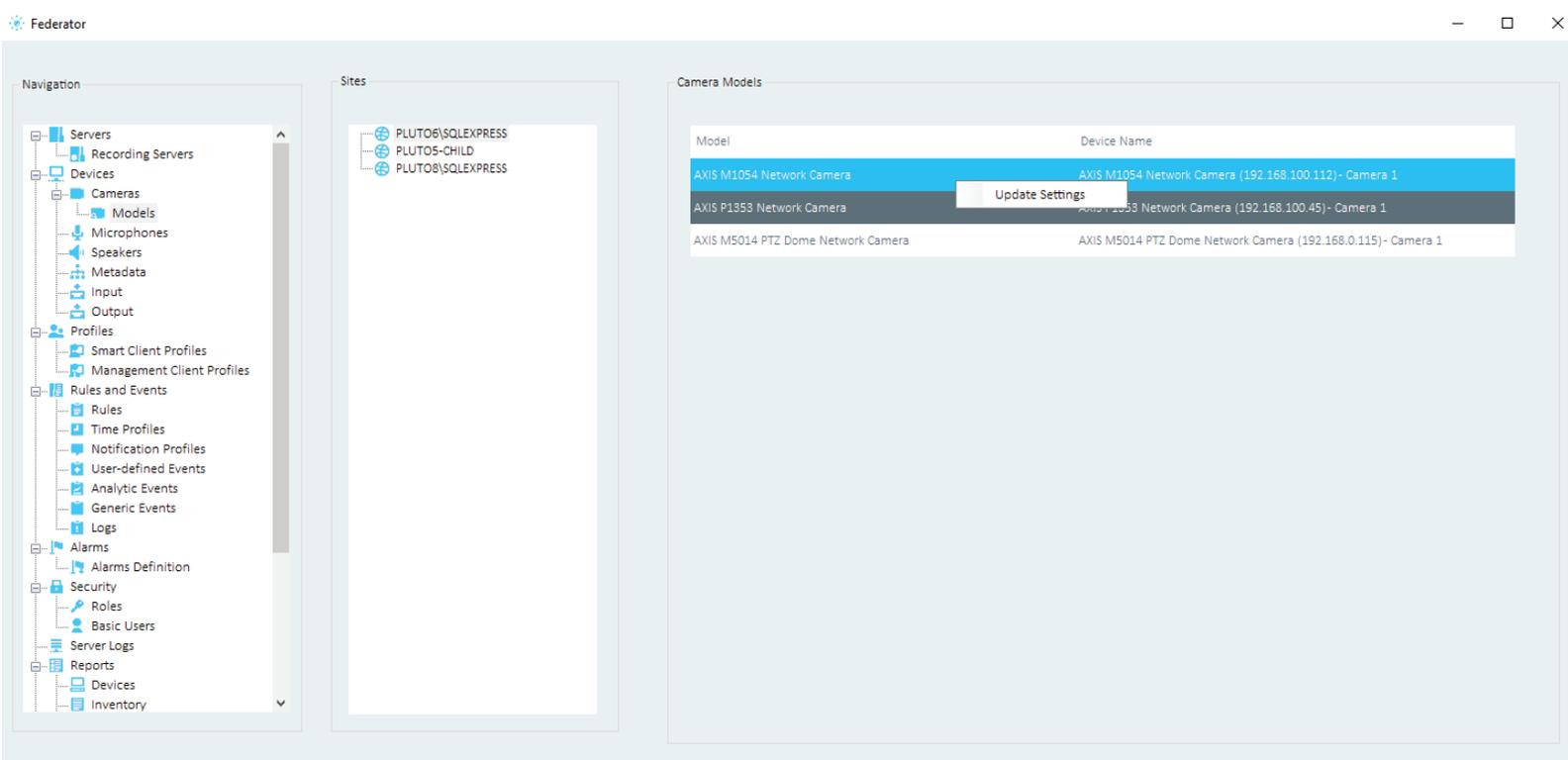


Hardware with a red circle icon indicates that the hardware is currently disabled.

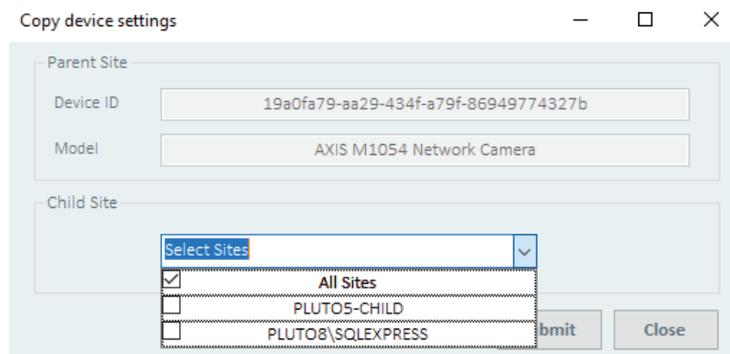
Devices

Under [Devices](#) node, you can easily check all cameras and their models, as well as microphones, speakers, metadata, inputs, and outputs defined under their related nodes.

Camera settings can be applied over same models for all/selected sites. Choose under [Models](#) node the model you want to apply the settings for and right click [Update Settings](#).



Select the targeted sites or keep the default option [All Sites](#).



Once successfully updated, navigate to **Cameras** node and notice the settings (in this example 15 frame per second) are changed for the same device model.

The screenshot displays the Federator application interface with four main sections:

- Navigation:** A tree view on the left containing categories like Servers, Devices, Cameras, Profiles, Rules and Events, Alarms, Security, Reports, and Services.
- Sites:** A list of sites including PLUTO6/SQLEXPRESS, PLUTO5-CHILD, and PLUTO8/SQLEXPRESS.
- Cameras:** A tree view under the 'Cameras' node showing 'Camera Group 1' with sub-items: Saudi hw, AXIS P1353 Network Camera (192.1...), AXIS M1054 Network Camera (192.1...), and Mask Detection - Camera 1.
- Properties:** A detailed configuration panel for the selected camera, divided into 'General' and 'Video stream' sections.

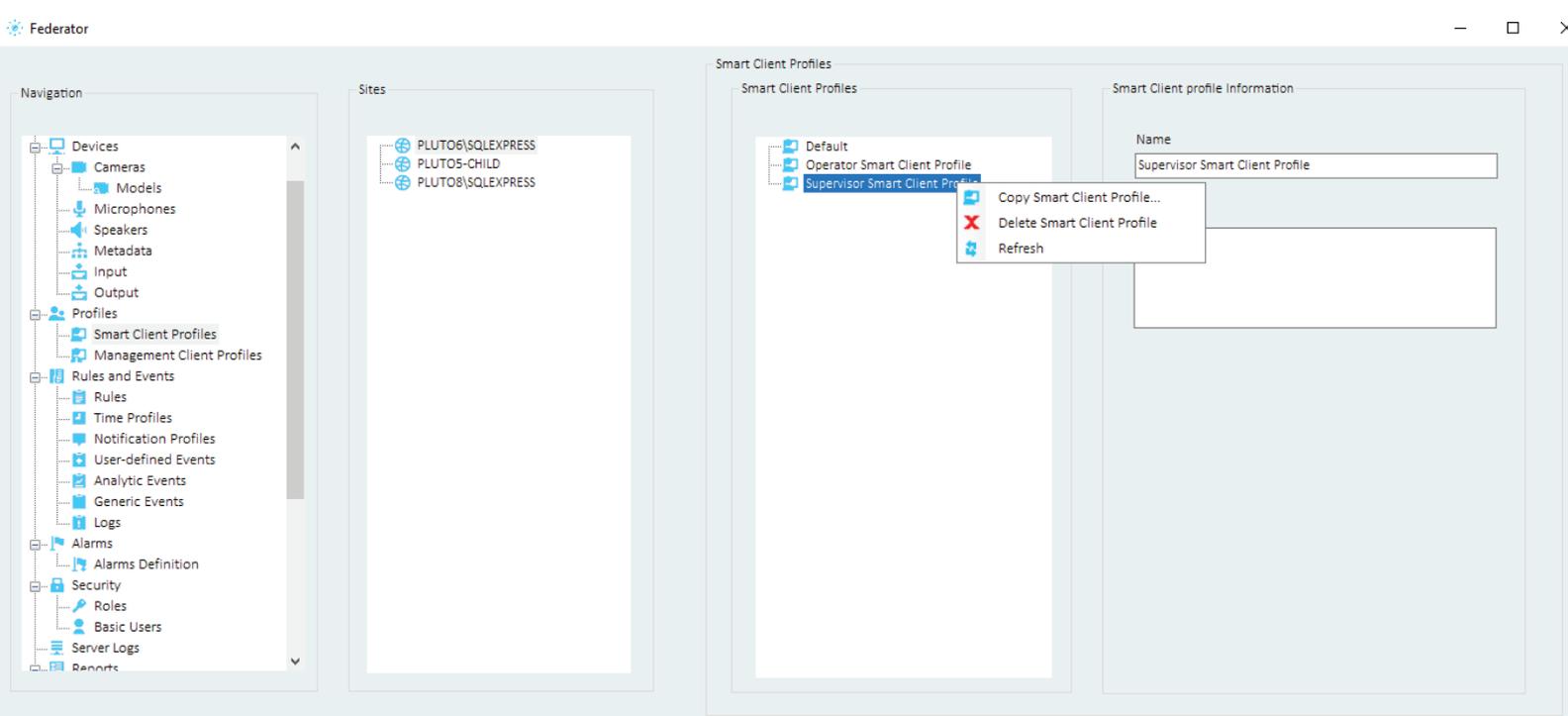
General	
Brightness	50
Contrast	50
Edge recording type to retrieve	Continuous
Mirror image	No
Multicast address	239.247.98.191
Multicast force PIM-SSM	no
Multicast time to live	5
Multicast video port	0
Rotation	0
Saturation	50
Sharpness	50

Video stream 1	
Bit rate control mode	VariableBitRate
Bit rate control priority	None
Codec	h264
Compression	30
Frame per second	15
Include date	no
Include time	no
Max frames between keyframes	30
Max frames between keyframes mode	default
Resolution	640x480
Streaming mode	TCP

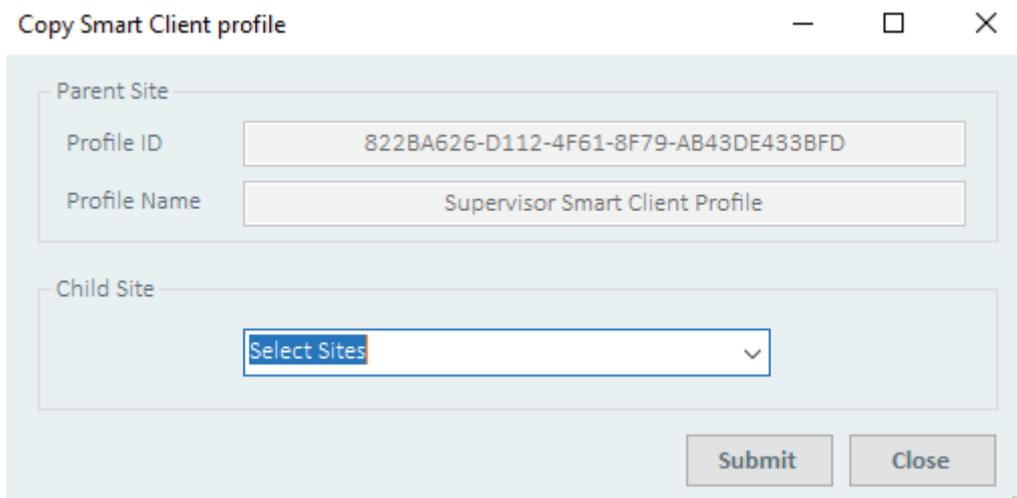
Video stream 2	
Bit rate control mode	VariableBitRate
Bit rate control priority	None
Codec	h264
Compression	30
Frame per second	8.0
Include date	no
Include time	no

Smart & Management Client Profiles

Smart and management client profiles are configured under [Profiles](#) node. Select HQ site and right click, copy the desired profile.



In the copy profile popup form, choose the targeted sites to deploy the selected profile for and click [Submit](#).



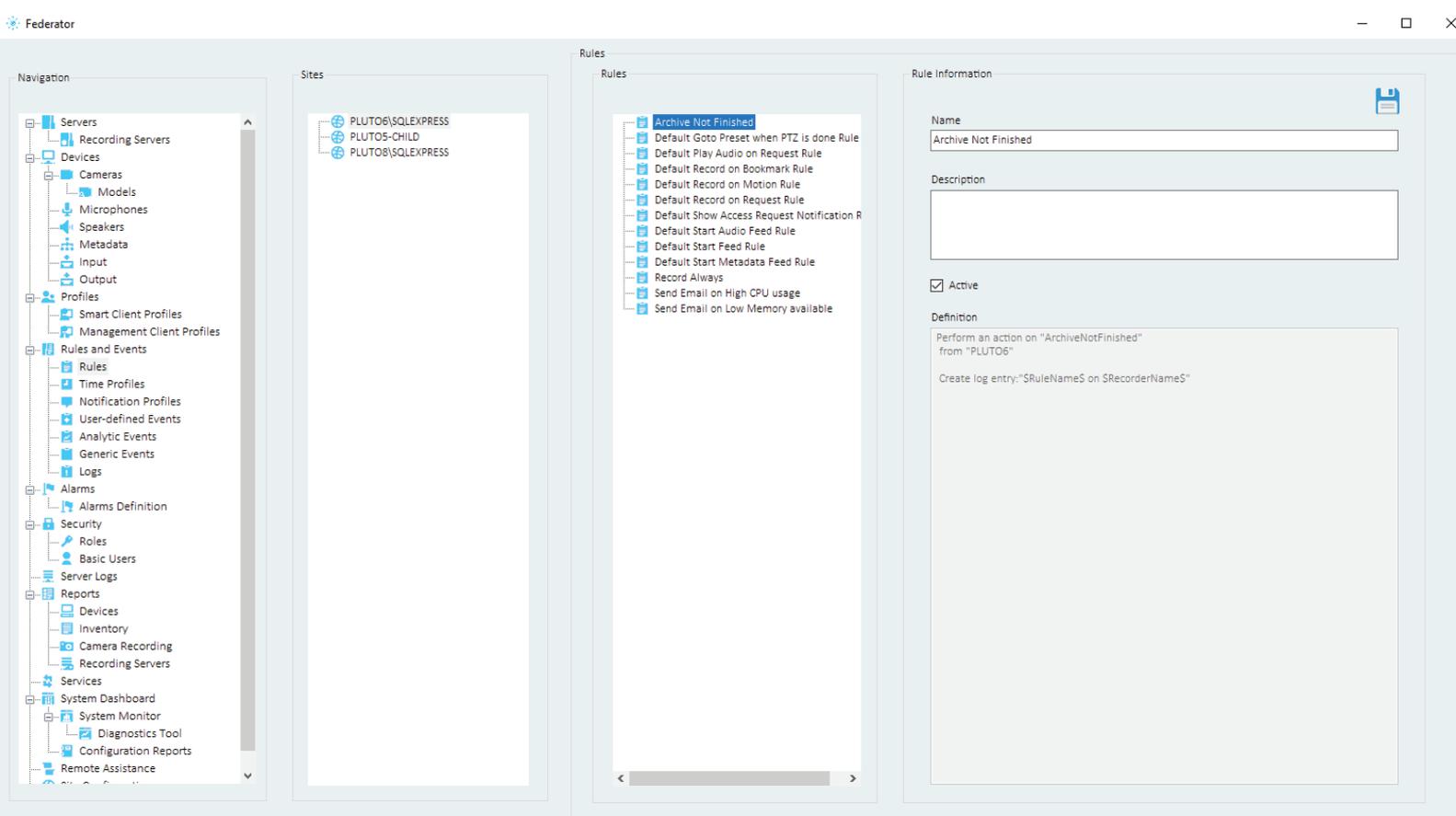
Rules & Events

Under [Rules and Events](#) node, you can view all the defined rules, events (user-defined, analytic, and generic), time profiles, as well as registered logs for rules, events, and alarms.

For rules node, user is able to change the rule name, description, and status (active/inactive) for each site, as well as to view the rule definition in clear format.



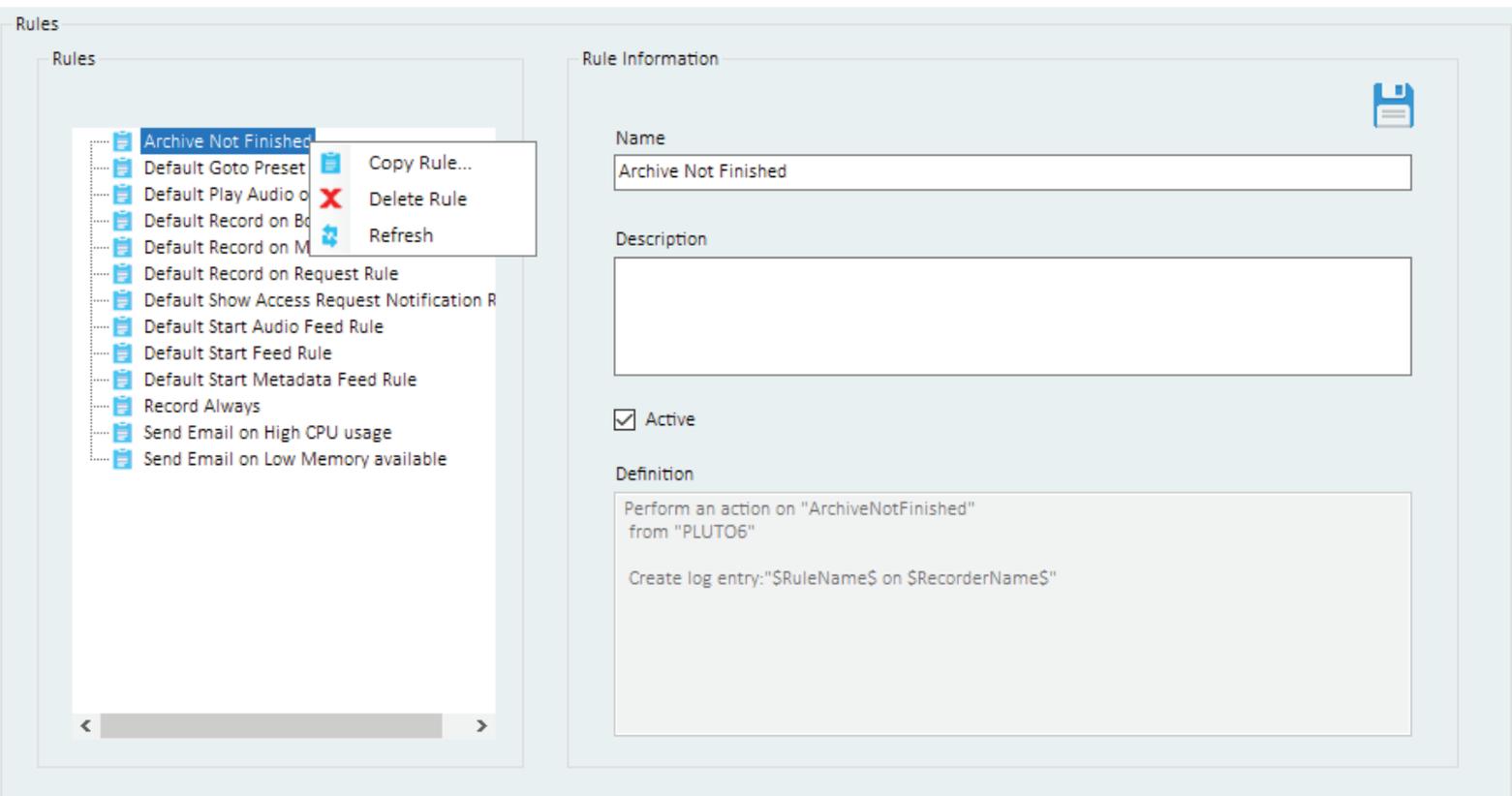
Click save button to reflect the changes.



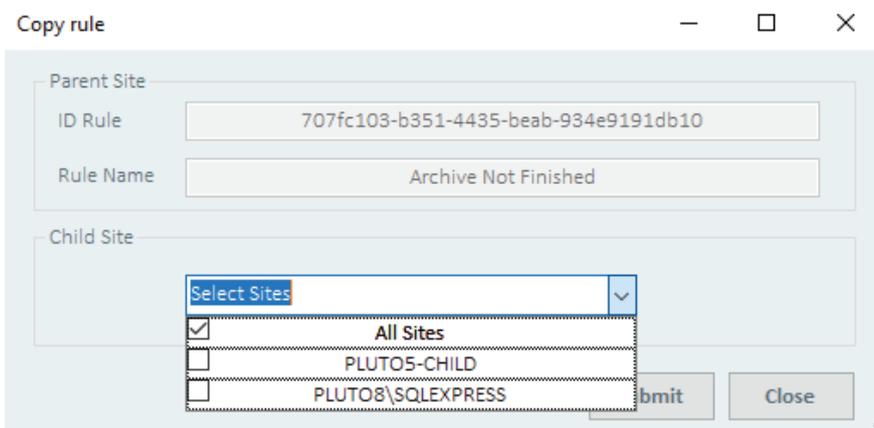
The screenshot displays the Federator application interface with the following components:

- Navigation:** A tree view on the left showing the application structure, with 'Rules and Events' expanded to show 'Rules'.
- Sites:** A list of sites including 'PLUTO6\SQLEXPRESS', 'PLUTOS-CHILD', and 'PLUTO8\SQLEXPRESS'.
- Rules:** A list of rules for the selected site, with 'Archive Not Finished' selected. Other rules include 'Default Goto Preset when PTZ is done Rule', 'Default Play Audio on Request Rule', 'Default Record on Bookmark Rule', 'Default Record on Motion Rule', 'Default Record on Request Rule', 'Default Show Access Request Notification R', 'Default Start Audio Feed Rule', 'Default Start Feed Rule', 'Default Start Metadata Feed Rule', 'Record Always', 'Send Email on High CPU usage', and 'Send Email on Low Memory available'.
- Rule Information:** A detailed view of the selected rule, including:
 - Name:** Archive Not Finished
 - Description:** (Empty text area)
 - Active:**
 - Definition:** Perform an action on "ArchiveNotFinished" from "PLUTO6"
Create log entry: "\$RuleName\$ on \$RecorderName\$"

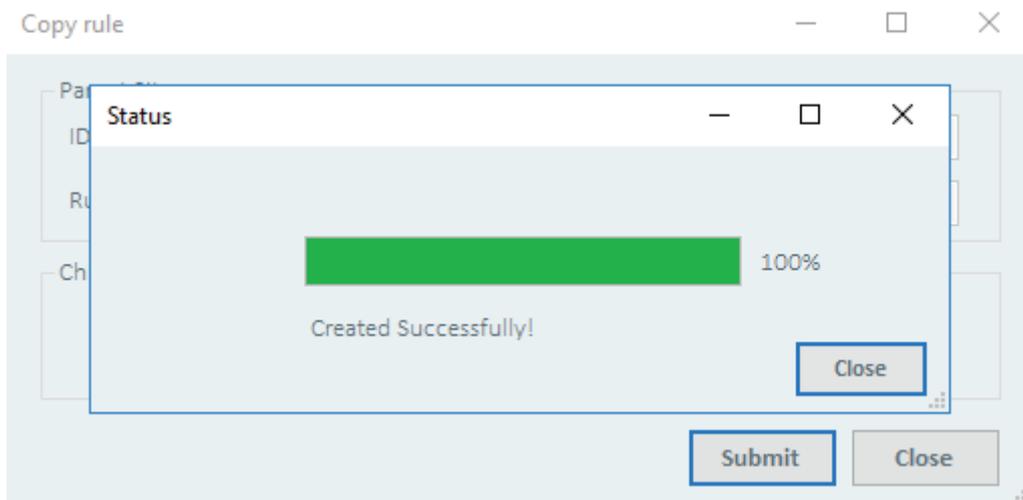
To copy a rule from HQ site to federated sites, right click on a rule and choose Copy Rule.  Copy Rule...



In the copy rule window, select the federated sites/All sites for this rule to be added for and click [Submit](#).



A pop up message appears to show the creation status of the rule. In this case, the rule was successfully created for all the previously selected site(s).



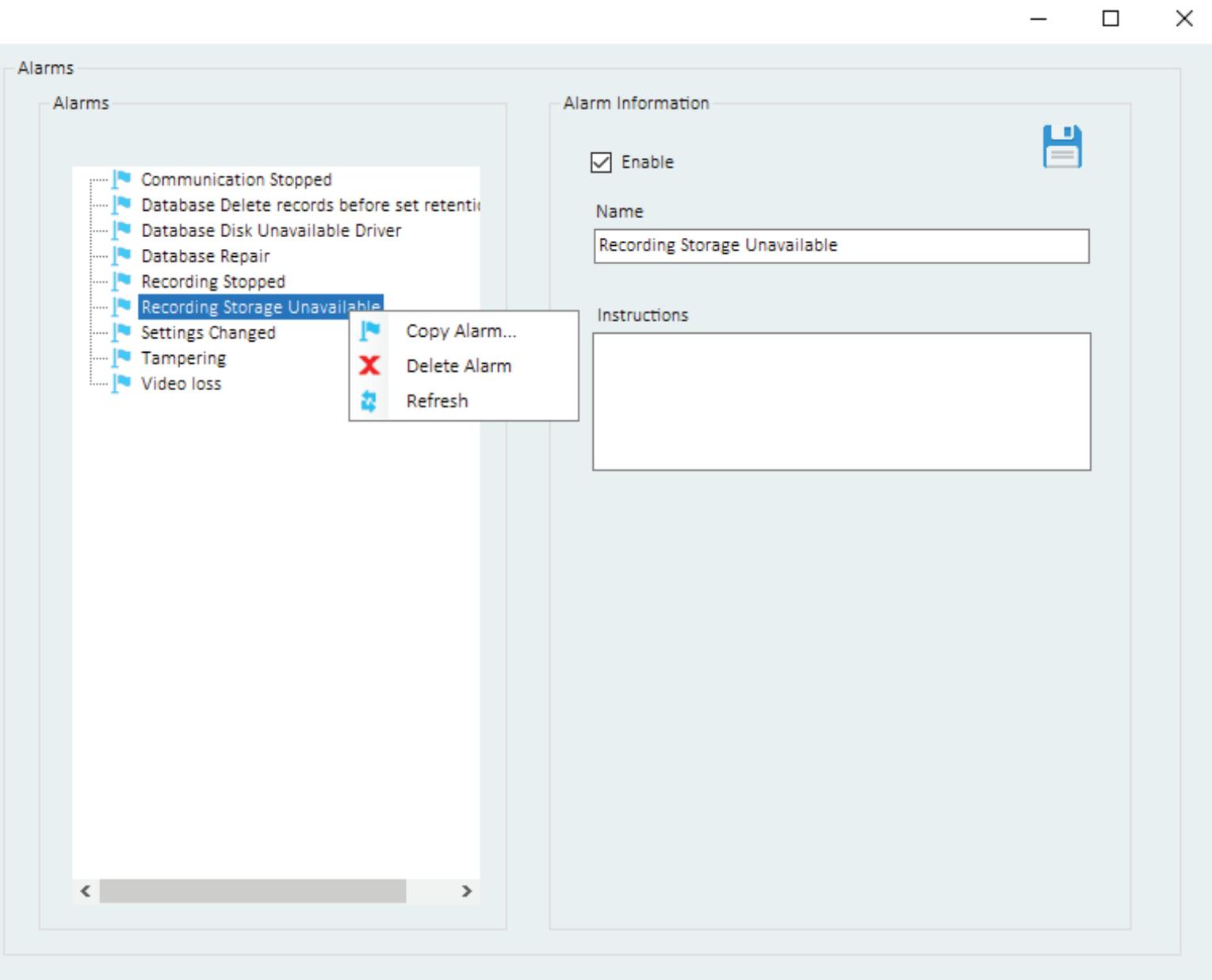
Under **Logs** node, track the creation status of rules, events and alarms, and easily check the reason for failure (Machine is down, SQL Service not running, or event already created).

Site Name	Rule Name	Message	Creation Status	Date Time
PLUTO8\SQLEXPRESS	Archive Not Finished	Rule "Archive Not Finished" has not been created. The rule already exists	False	9/16/2020 8:37 AM
PLUTO5-CHILD	Archive Not Finished	Rule "Archive Not Finished" has not been created. The rule already exists	False	9/16/2020 8:37 AM
PLUTO8\SQLEXPRESS	Record Always	Rule "Record Always" has not been created. The rule already exists	False	9/16/2020 8:37 AM
PLUTO5-CHILD	Record Always	Rule "Record Always" has not been created. The rule already exists	False	9/16/2020 8:37 AM
PLUTO8\SQLEXPRESS	Record Always	Rule "Record Always" has been successfully created	True	9/16/2020 8:37 AM
PLUTO5-CHILD	Record Always	Rule "Record Always" has been successfully created	True	9/16/2020 8:37 AM
PLUTO8\SQLEXPRESS	Send Email on Low Memory available	Rule "Send Email on Low Memory available" has been successfully created	True	9/16/2020 8:37 AM
PLUTO5-CHILD	Send Email on Low Memory available	Rule "Send Email on Low Memory available" has been successfully created	True	9/16/2020 8:37 AM
PLUTO8\SQLEXPRESS	Send Email on High CPU usage	Rule "Send Email on High CPU usage" has been successfully created	True	9/16/2020 8:36 AM
PLUTO5-CHILD	Send Email on High CPU usage	Rule "Send Email on High CPU usage" has been successfully created	True	9/16/2020 8:36 AM
PLUTO8\SQLEXPRESS	Archive Not Finished	Rule "Archive Not Finished" has been successfully created	True	9/16/2020 8:34 AM
PLUTO5-CHILD	Archive Not Finished	Rule "Archive Not Finished" has been successfully created	True	9/16/2020 8:34 AM
PLUTO5-CHILD	Record Always	Rule "Record Always" has not been created. The rule already exists	False	9/15/2020 7:05 AM
PLUTO8\SQLEXPRESS	Record Always	Rule "Record Always" has been successfully created	True	9/15/2020 7:05 AM
PLUTO5-CHILD	Send Email on High CPU usage	Rule "Send Email on High CPU usage" has been successfully created	True	9/10/2020 1:19 PM
PLUTO5-CHILD	Record Always	Rule "Record Always" has been successfully created	True	9/10/2020 1:18 PM

Alarms

From [Alarms Definition](#) node, easily copy/delete alarms, change enabled status, and instructions.

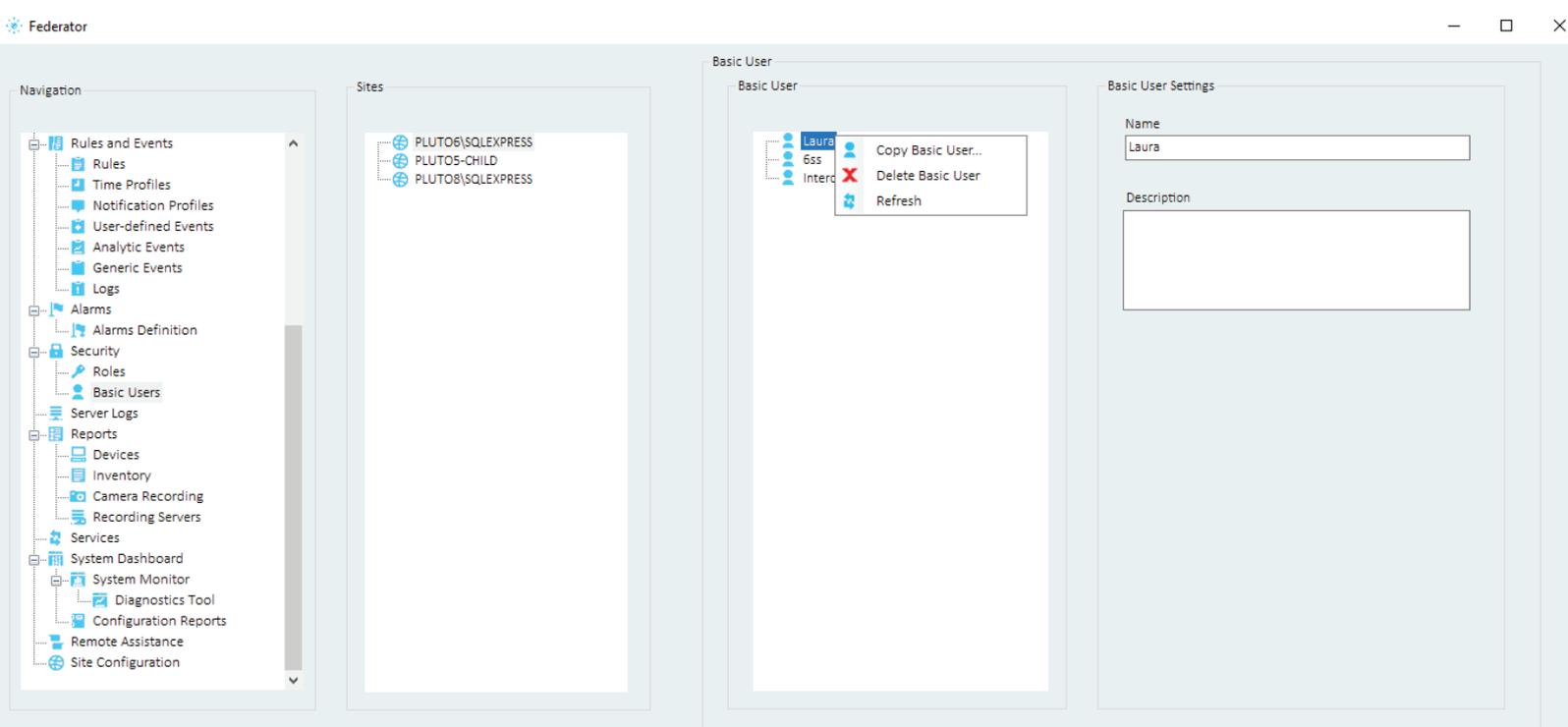
It's necessary after adding alarm to federated sites to restart Milestone Event Server service under [Services](#) node.



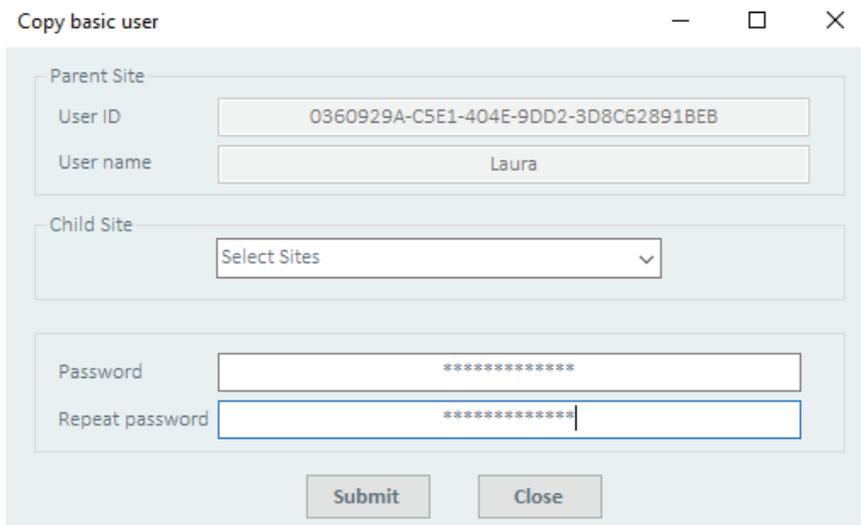
Security

Define roles and basic users for federated sites under Security node.

Choose to copy basic user from HQ site using Copy Basic User  Copy Basic User...



For basic user, you need to specify the password for it. Make sure that password and repeat passwords fields match, otherwise you will receive an alert message.



Server Logs

Under [Server Logs](#) node, you can easily check the log files (system, audit, rule-triggered logs) related to each federated site and from a selected period of time as shown below.

The screenshot displays the Federator application interface. On the left is a navigation pane with a tree view containing categories like Servers, Devices, Cameras, Profiles, Rules and Events, Alarms, Security, Reports, and Services. The 'Server Logs' node is selected. To the right of the navigation pane is a 'Sites' list showing three sites: PLUTOS\SQLEXPRESS, PLUTOS-CHILD, and PLUTOS\SQLEXPRESS. The main area shows a log table with tabs for 'System Logs', 'Audit Logs', and 'Rule-triggered Logs'. The 'Rule-triggered Logs' tab is active. At the top of the log table, there are filters for 'From' (09/16/2020 00:00:00) and 'To' (09/16/2020 23:59:59), and a 'Search' button. The log table has the following columns: Source Name, User, Rule Name, Service Name, Event Type, Date Time, and Message. The log entries include:

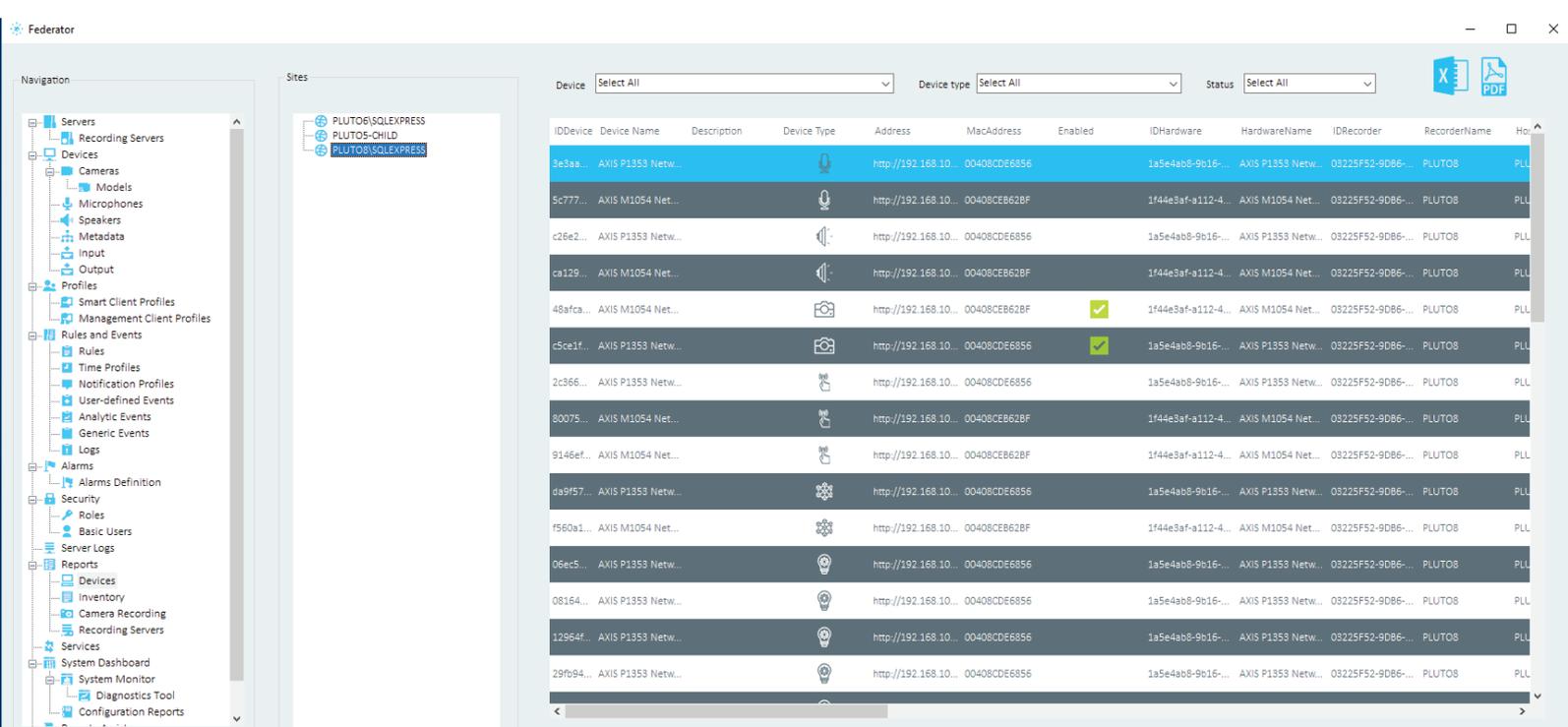
Source Name	User	Rule Name	Service Name	Event Type	Date Time	Message
AXIS P1353 Network Camera (192.168.100.45)- Camera 1	PLUTOS-CHILD\ADMINISTRATOR	Recording Started	PLUTOS-CHILD	Recording Started	9/16/2020 11:43 AM	Recording Started on AXIS P1353
AXIS P1353 Network Camera (192.168.100.45)- Camera 1	PLUTOS-CHILD\ADMINISTRATOR	Communication Started	PLUTOS-CHILD	Communication Started	9/16/2020 11:43 AM	Communication Started on AXIS P
AXIS P1353 Network Camera (192.168.100.45)- Camera 1	PLUTOS-CHILD\ADMINISTRATOR	Communication Started	PLUTOS-CHILD	Communication Started	9/16/2020 11:43 AM	Communication Started on AXIS P
Saudi hw	PLUTOS-CHILD\ADMINISTRATOR	Communication Started	PLUTOS-CHILD	Communication Started	9/16/2020 11:43 AM	Communication Started on Saudi
Mask Detection- Camera 1	PLUTOS-CHILD\ADMINISTRATOR	Communication Started	PLUTOS-CHILD	Communication Started	9/16/2020 11:43 AM	Communication Started on Mask
AXIS M1054 Network Camera (192.168.100.112)- Camera 1	PLUTOS-CHILD\ADMINISTRATOR	Communication Started	PLUTOS-CHILD	Communication Started	9/16/2020 11:43 AM	Communication Started on AXIS M
Mask Detection- Camera 1	PLUTOS-CHILD\ADMINISTRATOR	Communication Started	PLUTOS-CHILD	Communication Started	9/16/2020 11:43 AM	Communication Started on Mask
Saudi hw	PLUTOS-CHILD\ADMINISTRATOR	Communication Started	PLUTOS-CHILD	Communication Started	9/16/2020 11:43 AM	Communication Started on Saudi
AXIS M1054 Network Camera (192.168.100.112)- Camera 1	PLUTOS-CHILD\ADMINISTRATOR	Recording Started	PLUTOS-CHILD	Recording Started	9/16/2020 11:43 AM	Recording Started on AXIS M1054
AXIS M1054 Network Camera (192.168.100.112)- Camera 1	PLUTOS-CHILD\ADMINISTRATOR	Communication Started	PLUTOS-CHILD	Communication Started	9/16/2020 11:43 AM	Communication Started on AXIS M
Saudi hw	PLUTOS-CHILD\ADMINISTRATOR	Recording Started	PLUTOS-CHILD	Recording Started	9/16/2020 11:43 AM	Recording Started on Saudi hw
AXIS P1353 Network Camera (192.168.100.45)- Camera 1	WORKGROUP\PLUTOS-CHILDS	Recording Started	PLUTOS-CHILD	Recording Started	9/16/2020 9:30 AM	Recording Started on AXIS P1353
AXIS M1054 Network Camera (192.168.100.112)- Camera 1	WORKGROUP\PLUTOS-CHILDS	Recording Stopped	PLUTOS-CHILD	Recording Stopped	9/16/2020 9:30 AM	Recording Stopped on AXIS M1054
AXIS M1054 Network Camera (192.168.100.112)- Camera 1	WORKGROUP\PLUTOS-CHILDS	Recording Started	PLUTOS-CHILD	Recording Started	9/16/2020 9:30 AM	Recording Started on AXIS M1054
AXIS M1054 Network Camera (192.168.100.112)- Camera 1	WORKGROUP\PLUTOS-CHILDS	Recording Started	PLUTOS-CHILD	Recording Started	9/16/2020 9:30 AM	Recording Started on AXIS M1054
PLUTOS-CHILD	WORKGROUP\PLUTOS-CHILDS	Database Repair	PLUTOS-CHILD	Database Repair	9/16/2020 9:30 AM	Database Repair on PLUTOS-CHIL
PLUTOS-CHILD	WORKGROUP\PLUTOS-CHILDS	Database Repair	PLUTOS-CHILD	Database Repair	9/16/2020 9:30 AM	Database Repair on PLUTOS-CHIL
PLUTOS-CHILD	WORKGROUP\PLUTOS-CHILDS	Database Repair	PLUTOS-CHILD	Database Repair	9/16/2020 9:30 AM	Database Repair on PLUTOS-CHIL
Saudi hw	WORKGROUP\PLUTOS-CHILDS	Communication Started	PLUTOS-CHILD	Communication Started	9/16/2020 9:30 AM	Communication Started on Saudi

Reports

Device Report

Under [Device Report](#), you can easily check all the devices configured for each site and its related information (device type, hardware model, login Id, address, live and recorded stream, recording enabled, storage name and path motion enabled, etc..).

Choose to export any report in excel and pdf format. Reports are saved under C:\FederatorReports.



Inventory Report

This report allows users to check all available models for all or single site(s) and per model as well.

The screenshot shows the Federator application interface for the Inventory Report. On the left is a navigation tree with categories like Speakers, Profiles, Rules and Events, Alarms, Security, Reports, and Services. The 'Reports' section is expanded to show 'Inventory'. The main area displays a 'Detected Model' dropdown set to 'All Models'. Below it is a table:

Detected Model	Count
AXIS M1054 Network Camera	3
AXIS M5014 PTZ Dome Network Camera	1
AXIS P1353 Network Camera	3

To the right of the table is a donut chart with three segments representing the counts: 3 for AXIS M1054 Network Camera, 1 for AXIS M5014 PTZ Dome Network Camera, and 3 for AXIS P1353 Network Camera. A legend below the chart identifies the segments.

Camera Recording Report

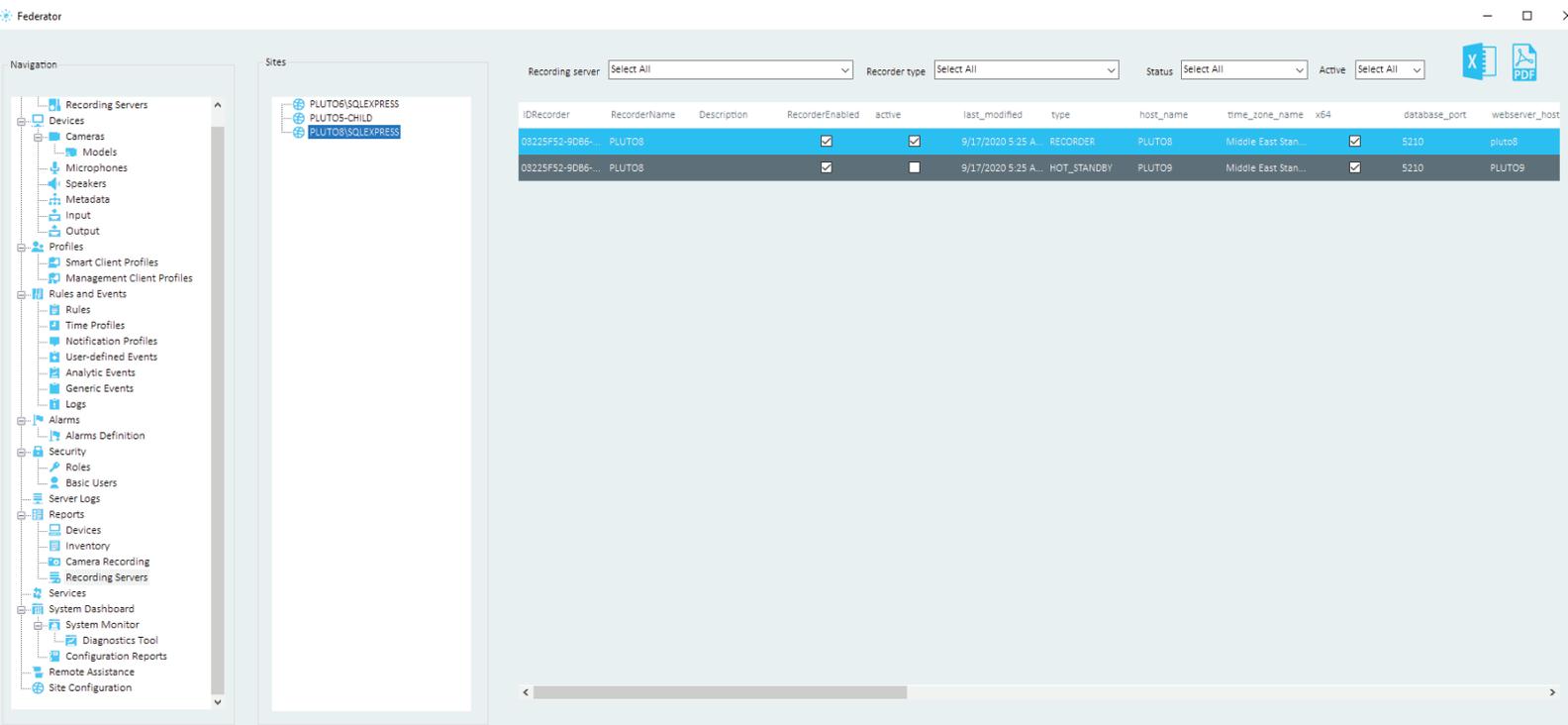
Easily check the device recording status, database on which the devices are being recorded, as well as the storage path, recording start date, the recording hours till date, and the retain hours.

The screenshot shows the Federator application interface for the Camera Recording Report. The navigation pane on the left is similar to the previous screenshot, with 'Camera Recording' selected under the 'Reports' section. The main area displays a table with the following columns: Name, Recording Status, Database, Storage Path, Recording Start Date, Recording Hours, and Retain Hours.

Name	Recording Status	Database	Storage Path	Recording Start Date	Recording Hours	Retain Hours
ACCR Camera	True	Local default	C:\MediaDatabase	9/15/2020 9:38:44 AM	26:14	72
AXIS M1054 Network Camera (192.168.100.112) - Camera 1	True	Local default	C:\MediaDatabase	9/15/2020 9:38:41 AM	26:14	72
AXIS P1353 Network Camera (192.168.100.45) - Camera 1	True	Local default	C:\MediaDatabase	9/15/2020 9:38:47 AM	26:14	72
AXIS M5014 PTZ Dome Network Camera (192.168.0.115) - Camera 1	True	Local default	C:\MediaDatabase	9/16/2020 8:26:04 AM	3:26	72
Mask Detection - Camera 2	True	Local default	C:\MediaDatabase	9/15/2020 9:38:42 AM	26:14	72

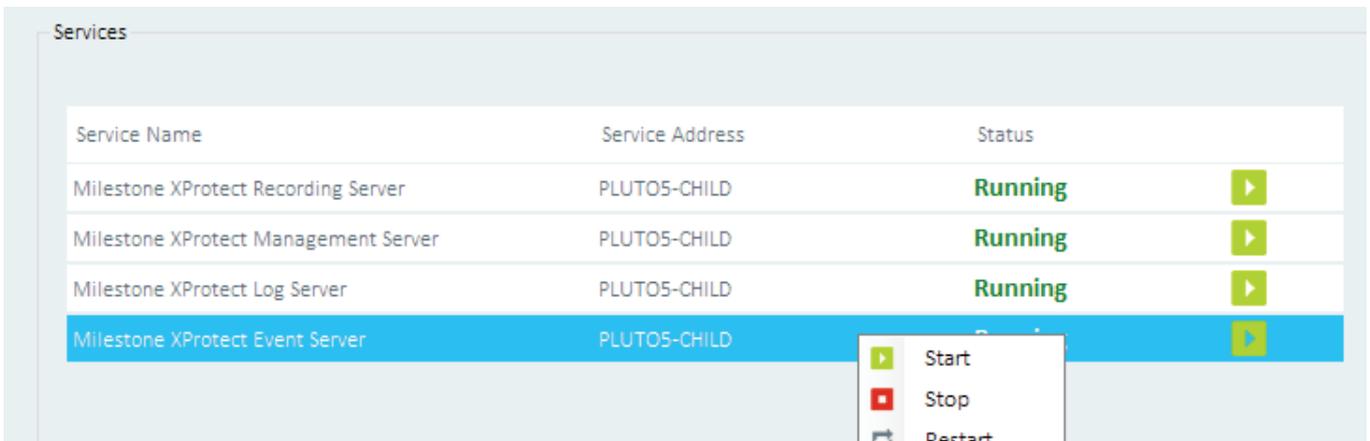
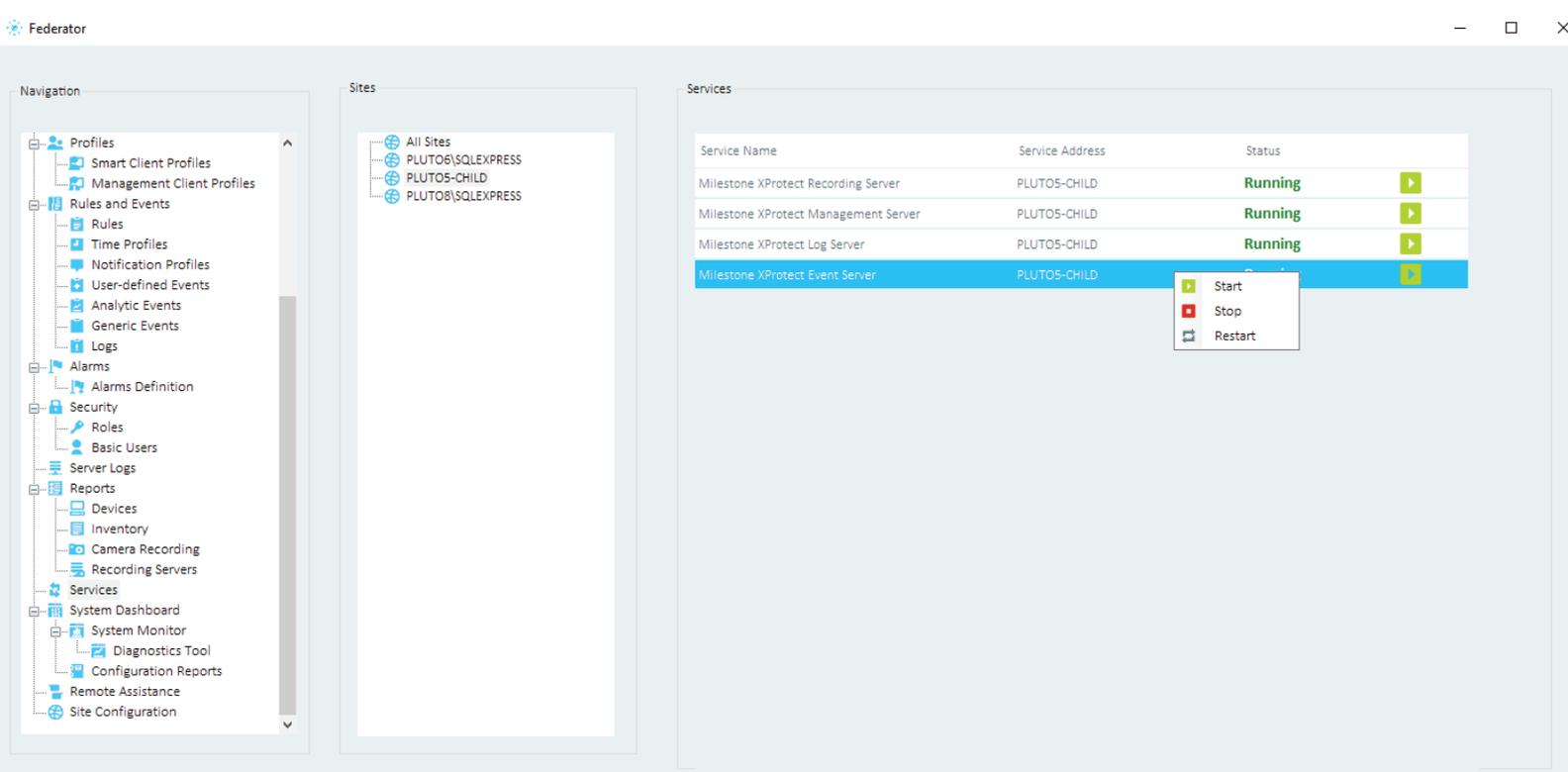
Recording Servers Report

Recording server report lists all the recording servers defined under management server with their related information (name, description, enabled, active, type, ports, version, drive name, media data used, free data, total size, disk write and read speed instances, etc...)



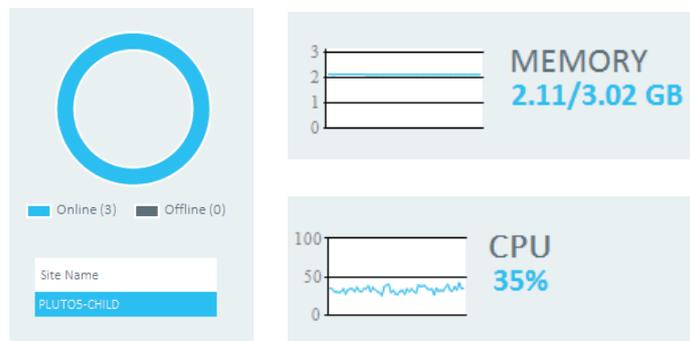
Services

All milestone services can be started, stopped, and restarted under Services node for all sites in parallel or site by site.



System Monitor

Under [System Monitor](#), you can easily view and check the system status. Select [Site Overview](#) under chart type to check the sites' state, the programs installed, the services configured with their related addresses, and current CPU and memory counter levels.



System Monitor

Chart Type: Site Overview

Federated Sites: PLUTOS-CHILD

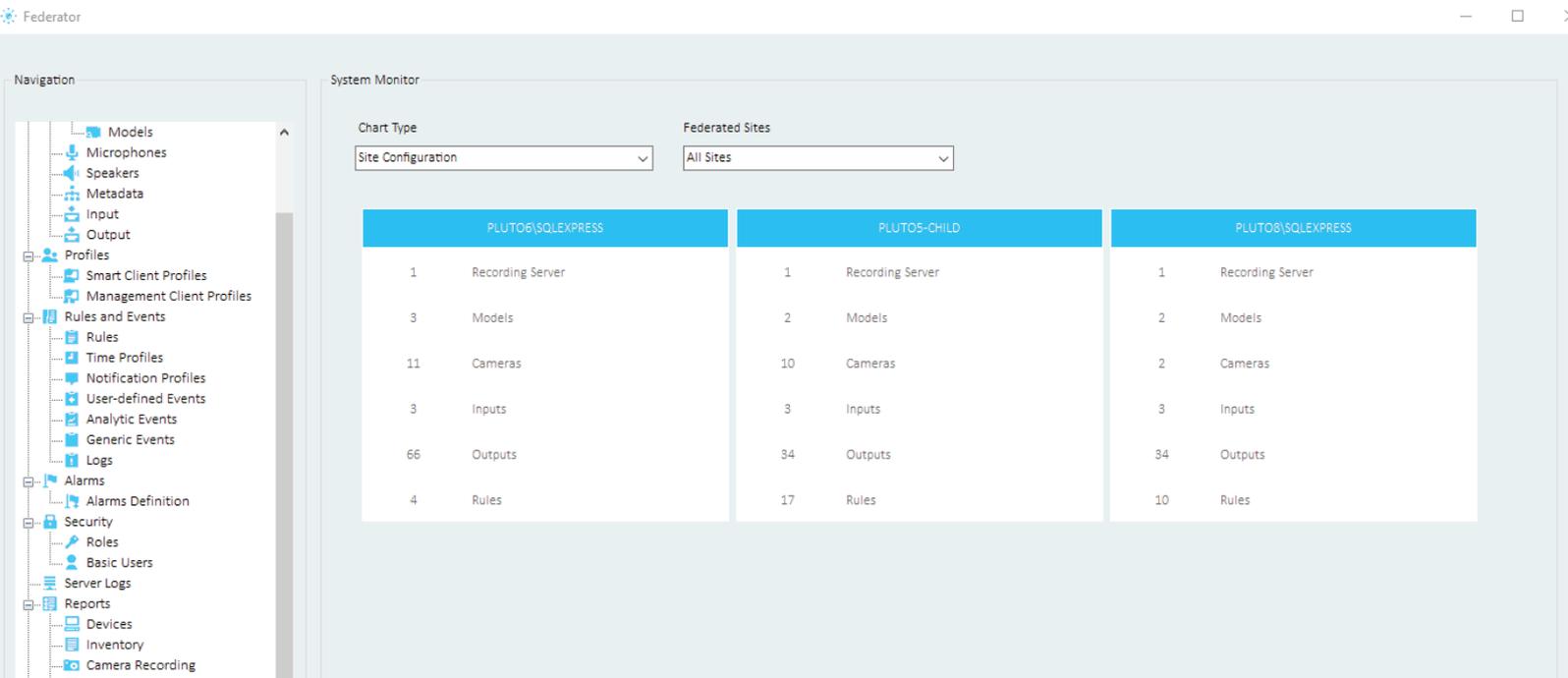
Site Name: PLUTOS-CHILD

Site Name	Program Name	Version
PLUTOS-CHILD	SQL Server 2017 Client Tools Extensions	14.0.1000.169
PLUTOS-CHILD	Milestone XProtect Smart Client 2019 R3 (64-bit)	13.31.23
PLUTOS-CHILD	SQL Server 2017 Database Engine Shared	14.0.1000.169
PLUTOS-CHILD	SQL Server 2017 Shared Management Objects	14.0.1000.169
PLUTOS-CHILD	SQL Server 2017 XEvent	14.0.1000.169
PLUTOS-CHILD	SQL Server 2017 Client Tools Extensions	14.0.1000.169
PLUTOS-CHILD	Microsoft VSS Writer for SQL Server 2017	14.0.1000.169
PLUTOS-CHILD	SQL Server 2017 Database Engine Services	14.0.1000.169
PLUTOS-CHILD	SQL Server 2017 Batch Parser	14.0.1000.169
PLUTOS-CHILD	Milestone XProtect Recording Server (64-bit)	13.31.44
PLUTOS-CHILD	Microsoft ASPNET Core Module	12.2.19047.0
PLUTOS-CHILD	Microsoft ASPNET Core 2.2.3 Shared Framework (x64)	2.2.3.0
PLUTOS-CHILD	Microsoft SQL Server 2017 Setup (English)	14.0.1000.169
PLUTOS-CHILD	Microsoft Analysis Services OLE DB Provider	15.0.1600.41
PLUTOS-CHILD	6SS Mask Detection	1.1.3
PLUTOS-CHILD	Active Directory Authentication Library for SQL Server	15.0.1300.359
PLUTOS-CHILD	SQL Server 2017 Shared Management Objects	14.0.1000.169
PLUTOS-CHILD	Milestone XProtect VMS Legacy Device Pack	1.2.1.105

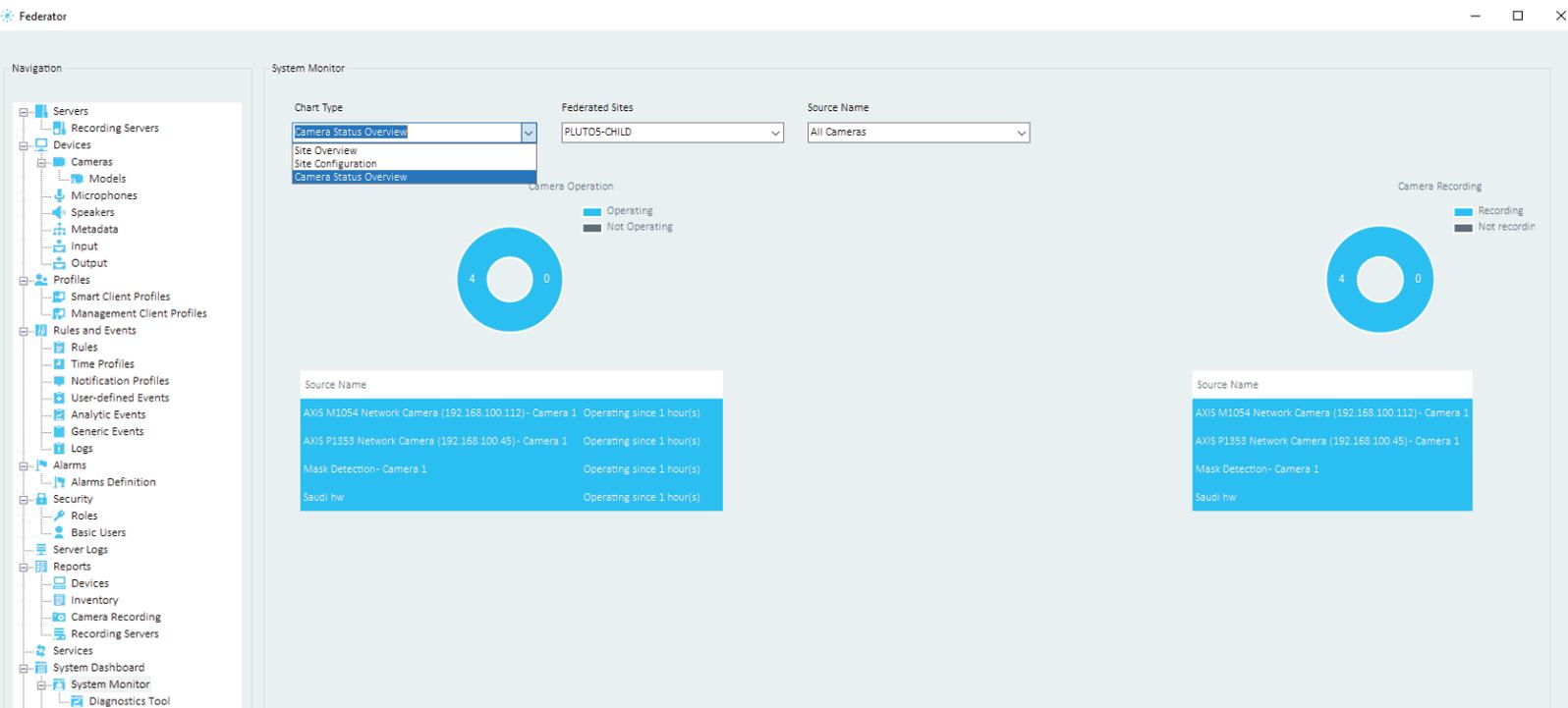
Site Name	Service Name	Address
PLUTOS-CHILD	Event Server	http://PLUTOS-CHILD:22331/
PLUTOS-CHILD	Legacy log_server	http://PLUTOS-CHILD:22337/LegacyLogServer/
PLUTOS-CHILD	Log server	http://PLUTOS-CHILD:22337/LogServer/
PLUTOS-CHILD	Recording Server (PLUTOS-CHILD)	PLUTOS-CHILD
PLUTOS-CHILD	Report Server	http://pluto5-child/Reporting/

Summary dashboard showing memory usage (2.11/3.02 GB) and CPU usage (35%).

Site Configuration lists all federator sites' configuration in a glimpse, including number of recording servers, models, cameras, inputs, outputs, and rules.

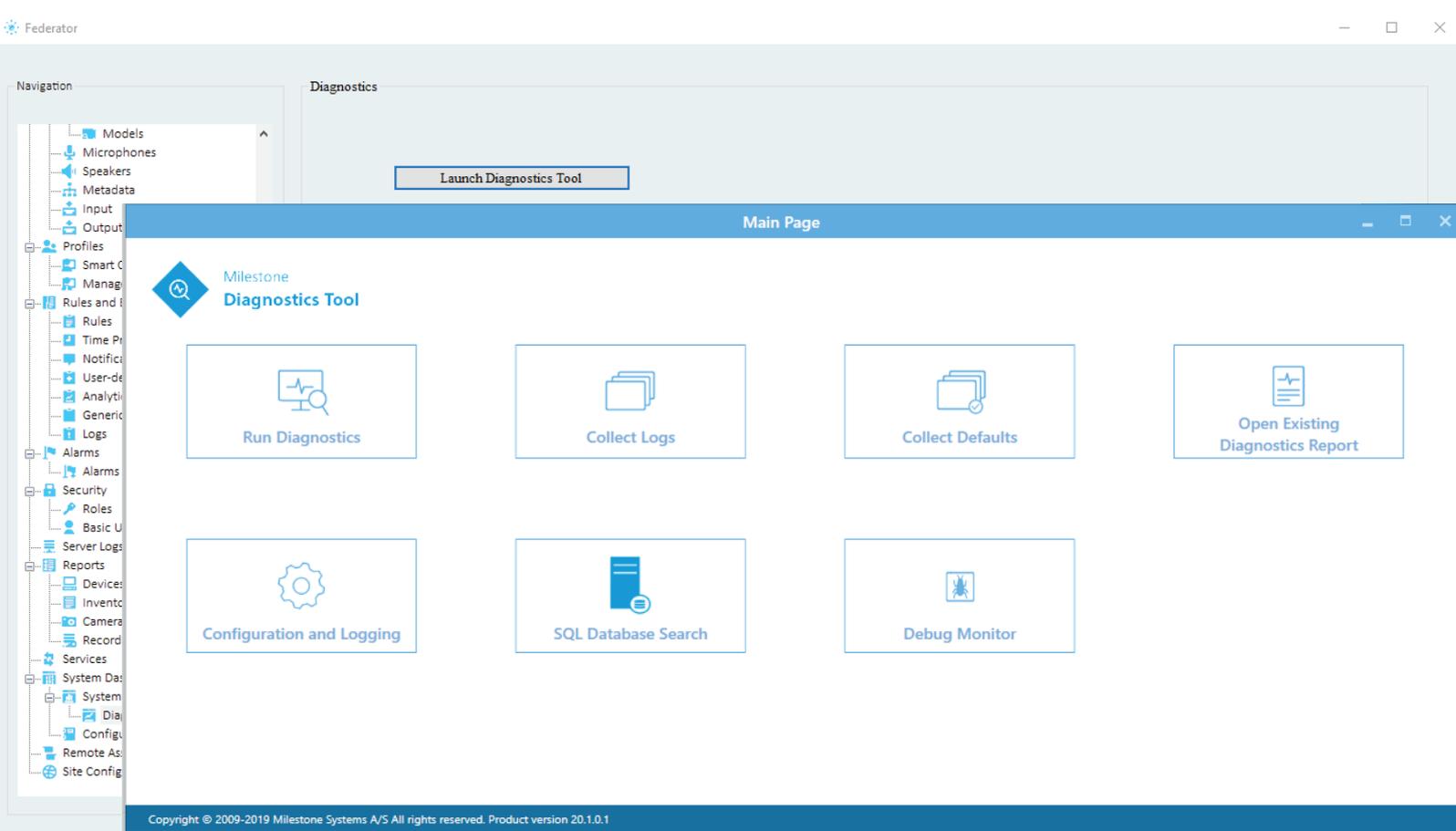


Under Camera Status Overview, instantly check all cameras operating and recording status as well as the number of downtime and uptime hours.



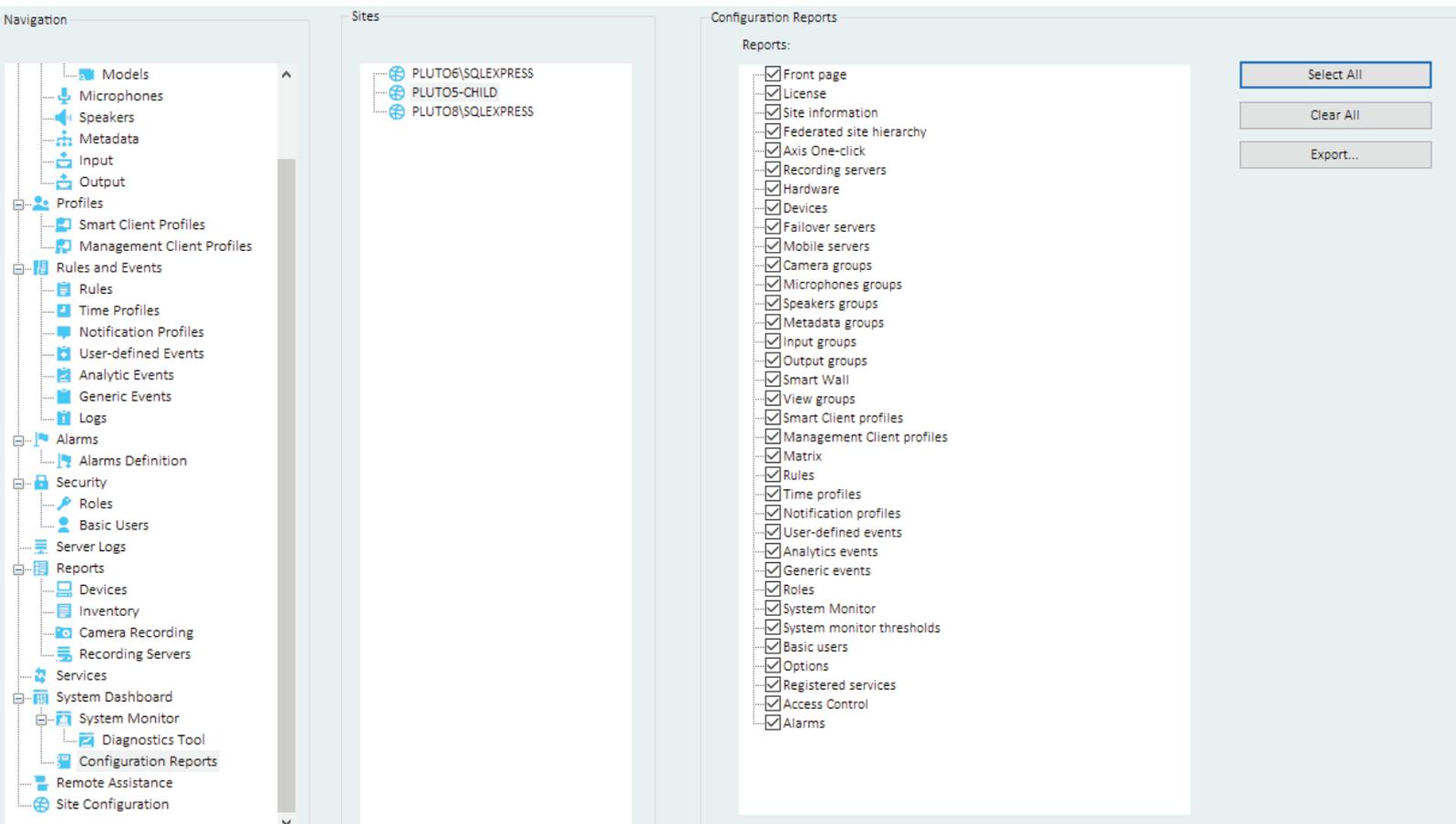
Diagnostics Tool

Launch Milestone diagnostics tool to check and gather diagnostic data for your federator sites including (but not limited to) Milestone XProtect® log files, Milestone XProtect configuration data, Microsoft Windows system information, etc.



Configuration Report

Export configuration report for each site in pdf format. Select from the reports tree view the nodes to be listed within the report and click the [Export](#) button.



ConfigurationReport.pdf

Page: 1 / 42 Find:

Recording servers

PLUTO5-CHILD

Info

Name:	PLUTO5-CHILD
Description:	
Host name:	PLUTO5-CHILD
Local web server address:	http://pluto5-child:7563/
Web server address:	
Time zone:	(UTC+02:00) Beirut

Hardware list

Name	Enabled
AXIS M1054 Network Camera (192.168.100.112)	<input checked="" type="checkbox"/>
AXIS P1353 Network Camera (192.168.100.45)	<input checked="" type="checkbox"/>
Mask Detection - Camera 1	<input checked="" type="checkbox"/>

Storage

Stop the recording server if a recording storage is unavailable	No
---	----

Storage name:	Local default
Device count:	24
Default storage:	Yes
Path:	C:\MediaDatabase
Retention time:	2 days
Maximum size:	1000 GB
Signing:	No
Encryption:	None

No archive defined.

Failover

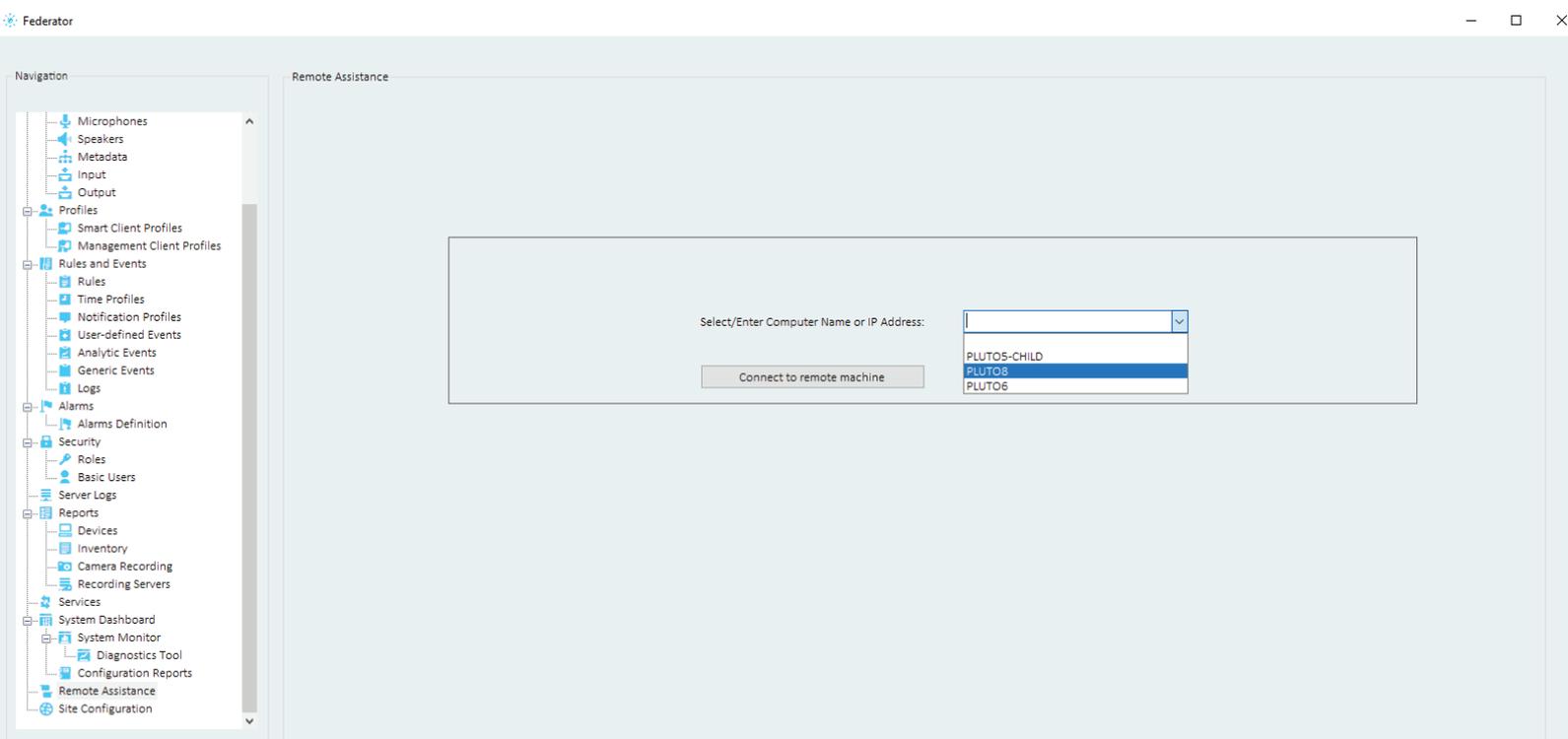
Failover is not enabled.

Multicast

Remote Assistance

Federator provides as well Remote Assistance windows feature directly embedded into the plugin in order to assist any site not limited to the federator sites list.

With Windows Remote Assistance you can help any site experiencing computer trouble on their Microsoft Windows system, or you can just show them how to do something right from where you're sitting.

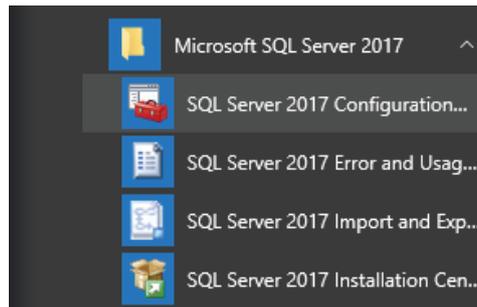


FAQ

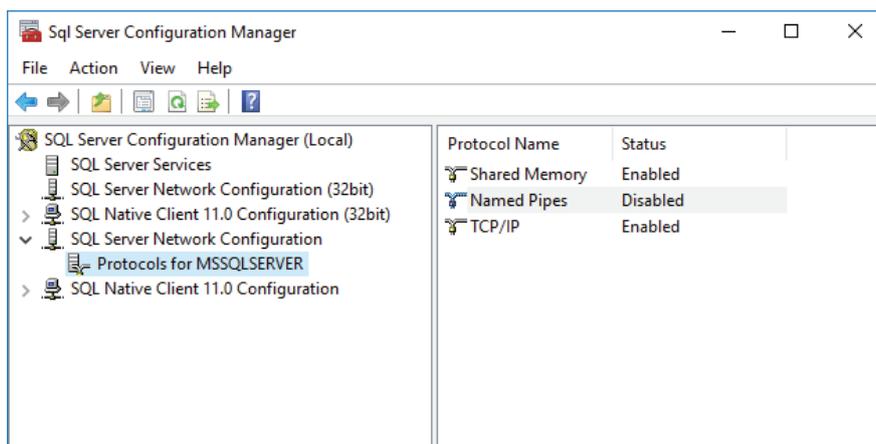
Frequently Asked Questions

How to enable Named pipes and TCP/IP protocols?

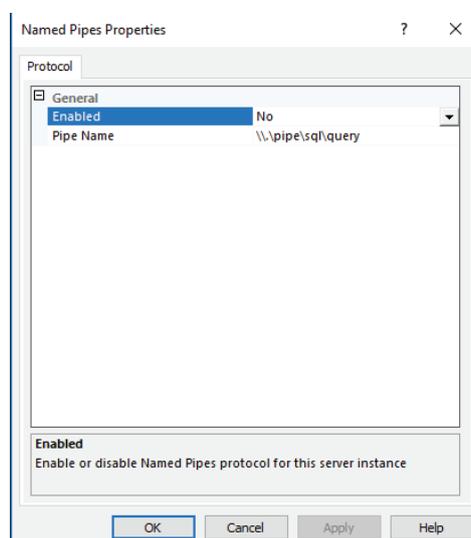
Go to Windows [Start](#) screen and navigate to [Microsoft SQL Server](#) folder and click on [SQL Server Configuration Manager](#).



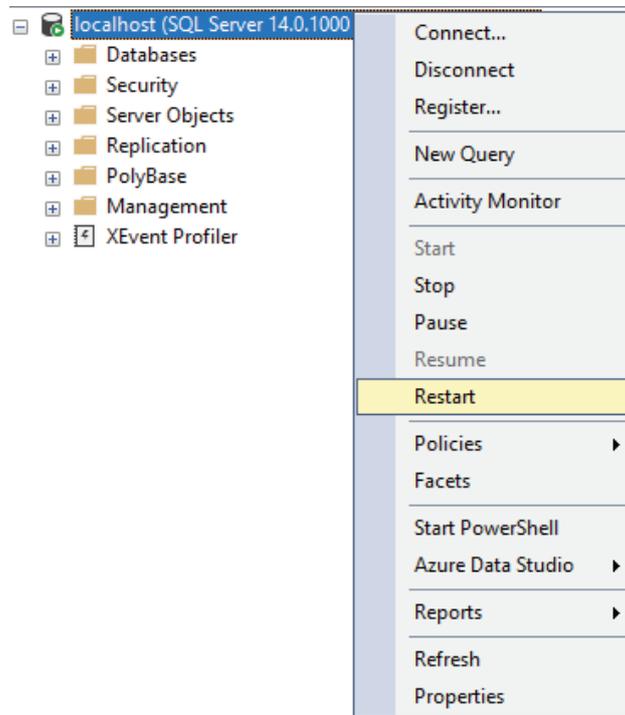
Navigate to [SQL Server Configuration Manager](#) > [SQL Server Network Configuration](#) > [Protocols for <machine instance>](#)



Double-click [Named Pipes](#). The Named Pipes Properties screen appears. From Enabled, select [Yes](#). Then click [OK](#).



From [SQL Server Management Studio](#), restart the server instance.



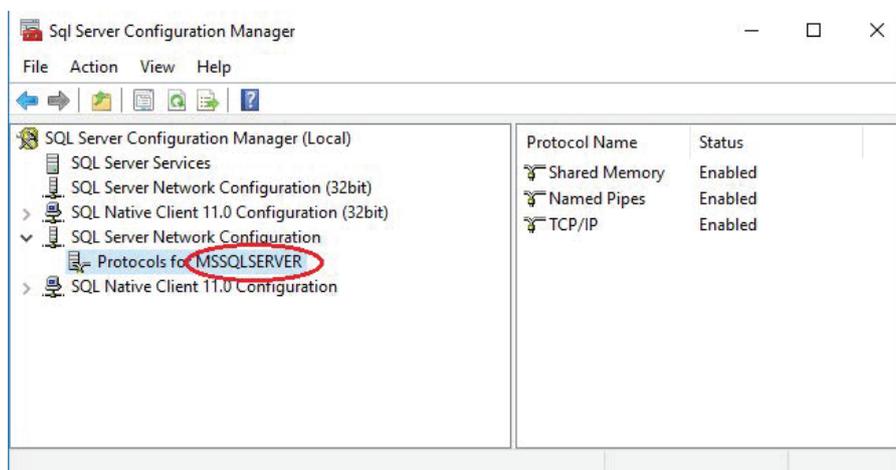
How to find SQL server instance name?

There's lot of ways to obtain SQL instance name.

Option 1:

Launch the SQL Server Configuration Manager.

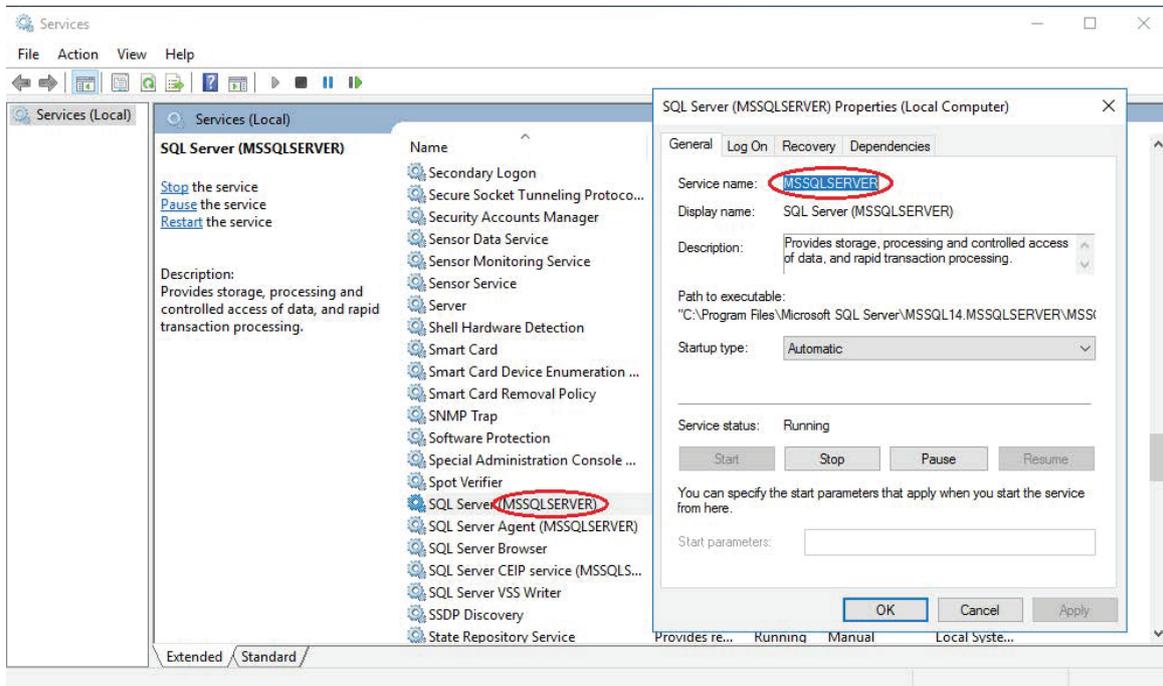
Go to Start > Microsoft SQL Server > SQL Server Configuration Manager. Locate the running MS SQL Server instance name (circled below in red). This is what you'll need to enter in the record.



Option 2:

Launch windows Services app.

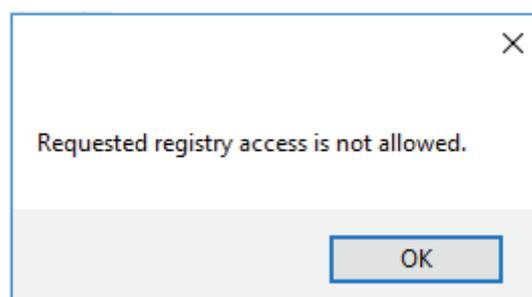
Go to Start and search for services. Locate the running SQL Server instance name (circled below in red). This is what you'll need to enter in the record.

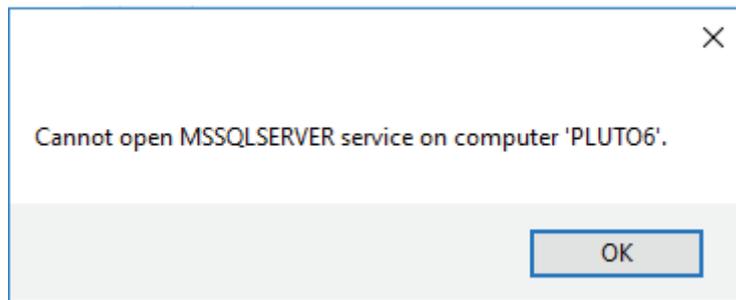
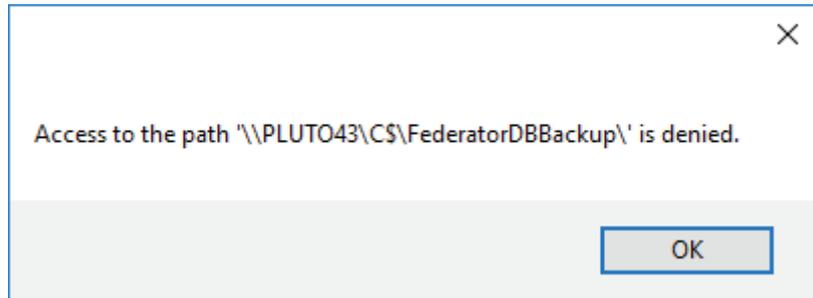


What user privileges are needed to install Federator?

Before installing Federator application, you need to make sure that the user used to install SQL Server and Milestone XProtect product is a member of administrators and IIS_IUSRS groups.

Some privilege access errors might occur while using Federator, especially if you are in a workgroup environment and SQL Server and Milestone services are installed with a local user.





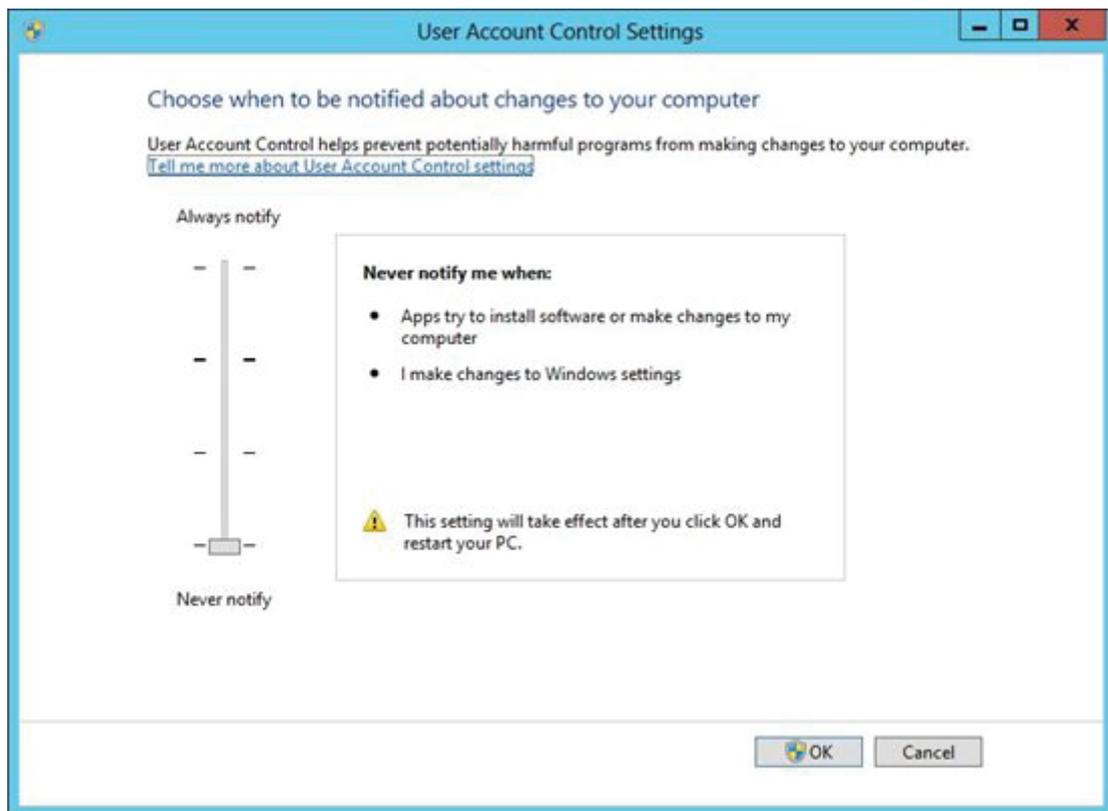
Reason:

User Account Control (UAC) is turned on the federated sites.

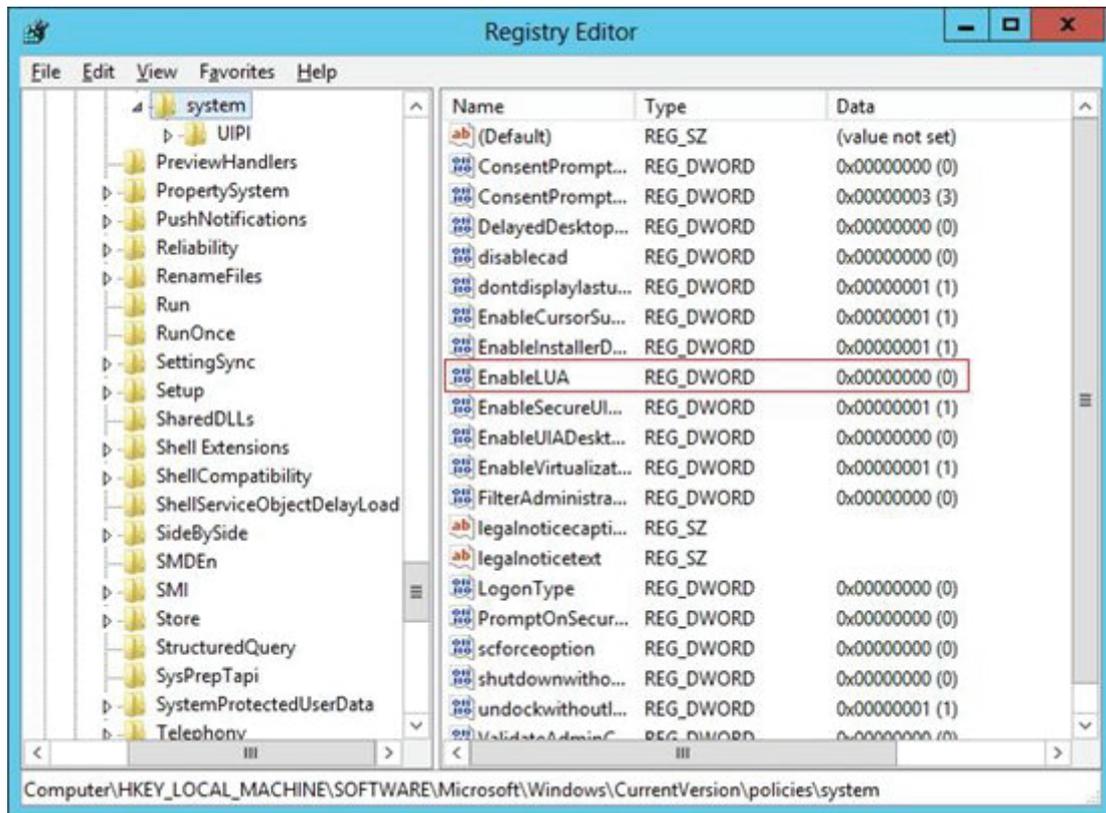
Resolution:

Search for **UAC** from windows search to open Change User Account Control Settings.

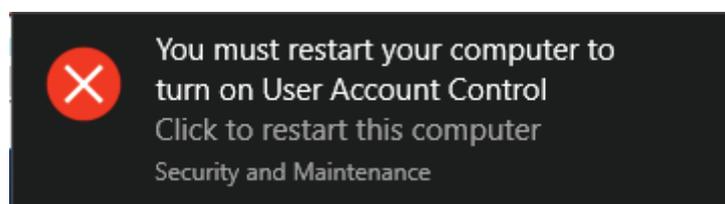
Then, select "Never notify" to disable UAC



Now turn off UAC via registry by changing the DWORD "EnableLUA" from 1 to 0 in "HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\policies\system".



You will get a notification that a reboot is required. After the reboot, UAC is disabled.



About 6SS

6SS was founded in 2013 with Headquarters in Minnesota, USA. 6SS is a modern video surveillance and security systems company that provides complete security solution that you need and deserve, from Software to Hardware to Professional Services and Training.

All our products will integrate fully with the Milestone VMS. ◆

Any Questions?

Please reach out to us if you have any question or inquiry
Email us at info@6ss.co

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