6SS Federator®

6SS Federator® streamlines Milestone XProtect management by centralizing all XProtect site operations, configuration, and reporting in one interface. With 6SS Federator®, administrators can manage multiple XProtect sites, view system data through dashboards, and generate customer reports, saving time and improving customer support. It is fully compatible with the entire Milestone XProtect Plus Family.

Data Flow

1. Through the configuration API, 6SS Federator® establishes a connection with the management server of every site. This connection enables a diverse range of functionalities, which include loading, copying and deleting alarms, basic users, and rules, as well as loading UD events and generic events. Additionally, 6SS Federator® can create, load, and delete analytic events, load roles, and obtain camera video.
2. 6SS Federator® has the capability to read and add information from the SQL database of each site, enabling a broad range of functionalities includes copying roles, loading device group types, updating device settings, loading sites and dashboards, accessing various camera types and recording servers, retrieving system and audit logs, detecting models, loading inventory, loading time profiles, backups, evidence locks.

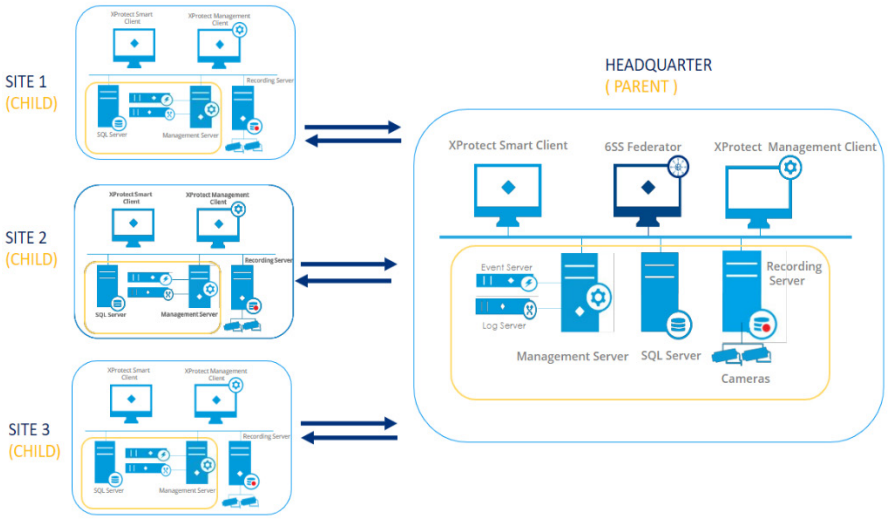


Figure 1 System Architecture

Functionality

6SS Federator® is an add-on solution developed by the 6SS Software Engineers to act as an additional layer to Milestone XProtect products to make the management of Milestone XProtect more efficient and simpler.
With Federator software you can save hours of time, provide better customer support by centralizing all XProtect sites' operations, including configuration and reporting within one centralized interface.
This centralization eliminates the need to login to each site, to make a change, which can be time consuming, especially in a multisite environment with huge deployments of devices.
This application allows the administrators to manage and configure multiple XProtect sites, visualize XProtect with dashboards, and create customer-ready reports.

System Components

- Windows OS 8.1 or above.
- Windows Server 2016 or above.
- Microsoft .NET framework 4.7.2 or newer (for .NET components usage).
- Microsoft DirectX 9.0 or later
- Microsoft SQL Server Express, Standard or Enterprise editions
- Milestone XProtect Corporate, XProtect Expert, Professional+, Express+, or Essential+.
- Federator® application installed on the Headquarter XProtect Management Server.

Main Benefits

- Cost effective
- Easy to use
- Centralized Configuration & Reporting
- Simplified troubleshooting
- Increased reliability
- Reduced configuration time and errors
- Reduced IT Manpower and competency
- Customer-tailored features in case needed.

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Key Features

Management/Configuration

The federated site management system allows users to:

- Adding rules, events alarms and basic users to HQ Site.
- Copy rules, events, alarms, basic users, roles, time profiles, smart client profiles, and management client profiles from the HQ site to all or selected sites.
- Modify alarms for desired sites.
- Delete basic users, roles, rules, events, alarms, time profiles, smart client profiles, and management client profiles for each or selected sites.
- Start/stop/restart Milestone XProtect Management, Event, Log, and Recording services for selected site(s).
- Add/remove site(s) from Milestone Federation Architecture.
- Backup/restore Milestone configuration files for selected site(s).
- Provide Windows Remote Assistance for federated sites with access privileges.
- Apply and Modify camera and metadata settings from HQ site to all/selected sites.

Reporting

The federated site management system allows for the generation of the following reports:

- Device Report: including device ID, device name, description, device type, address, Mac address, enabled status, hardware ID, hardware name, recorder ID, recorder name, hostname, detected model, driver name, login ID, live stream, recording stream, recording enabled status, recording frame rate, recording pre-buffer, recording pre-buffer time, in-memory recording pre-buffer, edge storage enabled, record key frames only, storage name, storage description, storage path, motion enabled, motion key frames only, motion sensitivity, motion hardware accelerator, and motion NVIDIA status.
- Inventory Report: for all sites or a single site.
- Camera Recording Report: including camera name, recording status, database, storage path, recording start date, recording hours, and retain hours.
- Recording Server Report: including recorder ID, recorder name, description, enabled status, active status, last modified, type, host name, time zone, x64, database port, webserver hostname, webserver port, certificate configuration, version, multicast server address, shutdown on storage failure, public access enabled, public webserver hostname, public webserver port, drive name, media data used, media data used instance ID, other data used, disk other data instance ID, free data, disk free bytes instance ID, total size, disk write speed instance ID, disk write speed instance name, disk read speed instance ID, and disk read speed instance name.
- Milestone Configuration Report.
- The ability to filter the reports.
- The ability to export the reports in Excel/PDF format.

Monitoring

The federated site management system allows users for every and all sites to:

- View rules, events, and alarms
- View cameras and related models
- View recording servers and related HW
- View microphones, speakers, metadata, inputs, and outputs and their status
- View rules, events, and alarms creation log files
- Filter the log file (system, audit, rule-triggered) for each site
- View live feed from any camera
- Check the recording of devices for each site including the database, storage path, recording start date, recording hours and retain hours
- View CPU, disk usage and memory counter levels for each site
- Check sites' status (online/offline)
- View programs and their versions installed on each machine
- View camera operation and recording status
- Check sites' configuration including recording servers, cameras, models, inputs, outputs, and rules.

Business Value

Enterprises can reduce time losses and improve security by centralizing the management and configuration of Milestone Federated Sites with a user-friendly interface. This will allow for quicker deployment across multiple sites, eliminate configuration errors, and provide centralized reporting. The result will be increased system uptime, enhanced security, and reduced IT labor costs.