6SS Medusa®

6SS Medusa® is the powerful result of combining two 6SS products Federator and iMonitor into one, significantly enhancing Milestone XProtect management by centralizing all site operations, configurations, and reporting within a single, intuitive interface. By integrating the strengths of 6SS Federator and iMonitor, this unified product streamlines the monitoring process across multiple sites, empowering administrators to efficiently track status, servers, camera operations, and hardware components. Leveraging the SNMP protocol, 6SS Medusa captures SNMP traps from SNMP-enabled components and seamlessly forwards them to the Milestone XProtect system, ensuring prompt alarm generation as defined. This comprehensive solution not only simplifies the management of multiple XProtect sites but also provides access to system data via user-friendly dashboards and allows for the effortless generation of detailed customer reports. Fully compatible with the entire Milestone XProtect+ Family, 6SS Medusa® is designed to save time and elevate customer support to new heights.

Data Flow

1. Through the configuration API, 6SS Medusa® establishes a connection with the management server of every site. This connection enables a diverse range of functions, which include loading, copying and deleting alarms, basic users, and rules, as well as loading UD events and generic events. Additionally, 6SS Medusa® can create, load, and delete analytic events, load roles, and obtain camera video.
2. 6SS Medusa® interacts with the SQL database of each site, enabling a broad range of functions such as copying roles, updating device settings, loading device group types, and accessing various camera types and recording servers. It can also retrieve system and audit logs, detect models, load inventory and time profiles, manage backups, and handle evidence locks.

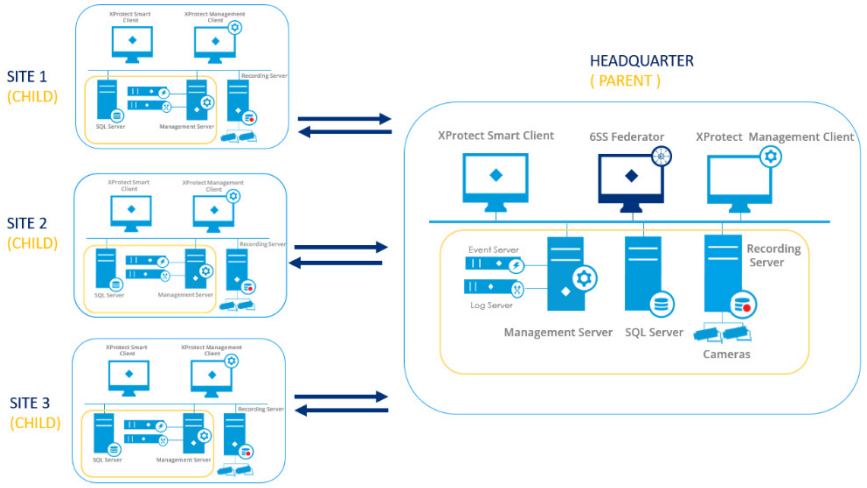

Figure 1 System Architecture

Functionality

6SS Medusa® is an add-on solution developed by the 6SS Software Engineers to act as an additional layer of control to Milestone XProtect products to make the management of Milestone XProtect more efficient and simpler, with 6SS Medusa® software you can save hours of time, provide better customer support by centralizing all XProtect sites' maintenance, including configuration and reporting within one centralized interface.
This centralization eliminates the need to travel or 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+
- Medusa® 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:

- Add rules, events, alarms and basic users to all or selected sites.
- 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 basic users, roles, rules, events, alarms, time profiles, smart client profiles for all or selected sites.
- Delete basic users, roles, rules, events, alarms, time profiles, smart client profiles, and management client profiles for all or selected sites.
- Start/stop/restart Milestone XProtect Management, Event, Log, and Recording services as well as SQL services for selected site(s).
- Add/remove site(s) from the 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 settings from the HQ site to all/selected sites.
- Apply and modify camera and metadata settings on all sites.
- Create and modify members of Camera and Metadata device groups.
- Generate request license file from all sites.
- View Information about Milestone License from all sites.
- Update Milestone license offline or online from all sites.

Monitoring

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

- Create, update, and view rules, events, and alarms.
- View and Modify Cameras, as well as Camera properties and settings.
- Add, remove, edit, detect, or view recording servers and related hardware.
- Add, remove, move or edit the Recording Server Storage.
- Change the Recording Server Retention period, or maximum Storage size.
- Add or remove Recording Server Archives.
- Add, remove, or view microphones, speakers, metadata, inputs, 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 Cameras, Speakers, Microphones, Inputs, Outputs, Metadata 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 and check sites' status (online/offline).
- View programs and the versions installed on each machine.
- View camera operation and recording status.
- Check sites' configuration including recording servers, cameras, models, inputs, outputs, and rules.
- Smart client Monitoring dashboard plugin.
- Generate alarms when devices, the management server, or the recording server go offline.

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Reporting

The Federated Site Management system allows the generation of the following reports:

- Device Reports: 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 Reports: for all sites or a single site.
- Recording Server Reports: 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.
- Site Reports: overview of all monitored sites, configured servers, and installed hardware (cameras, speakers, microphones, metadata) with zoom in and out capability.
- Camera Recording Reports: including camera name, recording status, database, storage path, recording start date, recording hours, and retain hours.
- Milestone Configuration Reports.

In addition. Medusa provides, the ability to filter the reports above and the ability to export the reports in Excel/PDF format.

Business Value

Enterprises today are facing significant time losses and increased security risks due to the need for individual system health checks at each site. By centralizing the management and configuration of Milestone Federated Sites within a single, user-friendly interface, administrators can quickly respond to errors and warnings across multiple locations and generate all the necessary reports from a central hub, without the need to log in to each site separately. This streamlined approach leads to faster response times, reduced human errors, and centralized reporting, ultimately ensuring continuous system uptime, enhanced security, and decreased IT labor costs.