



• LightSpeed PM – A Certified Quest Partner



Foglight Maintenance Challenges

Keeping your Foglight infrastructure running at top performance can take time and attention. The process is normally manual, and there are several things to keep track of, including:

- Making sure agents are always running and collecting data
- Keeping Alarms in check.
- Ability to view Foglight Health and load (Especially across servers).
- Avoiding Topology Problems.
- Knowing what is using what.
- Managing Credentials



Solution Highlights

- Easy to deploy
- Lots of options
- User friendly UI
- Centralized Monitoring of multiple Foglight Servers
- Remote Administration of solution across servers
- Maintains:
 - Agents
 - Alarms
 - Topology
 - ...



Agents

- Automated Maintenance eliminates your challenges by supporting all the below listed tasks but also offers a plethora of options for full control over the various tasks:
 - Ability to display, alert and act on an agent's various conditions:
 - Inactive
 - Try to activate, repeated failures will result in an alarm
 - Data Collection not started
 - · Try to start data collection, repeated failures will result in an alarm
 - Obsolete Agents
 - Attempt to delete, repeated failures will result in an alarm
 - Stale Agents
 - Healthy Agents that where collecting data and suddenly stop will result in an alarm
 - Zombie Agents
 - Healthy Agents that never collected will result in an alarm or can be automatically deleted.



FGLAM Management

- FGLAM HA Monitoring
 - Display the make up of the various HA clusters
 - Alert if a cluster is misconfigured
 - Multiple Primaries
 - No Primary
 - Invalid state
- FGLAM Log Analysis
 - Analyses logs for WARN, ERROR and FATAL messages to provide a count summary for each unique message for the last 24 hours, 2, 3, 5, 7, 14, 21 and 28 Days.



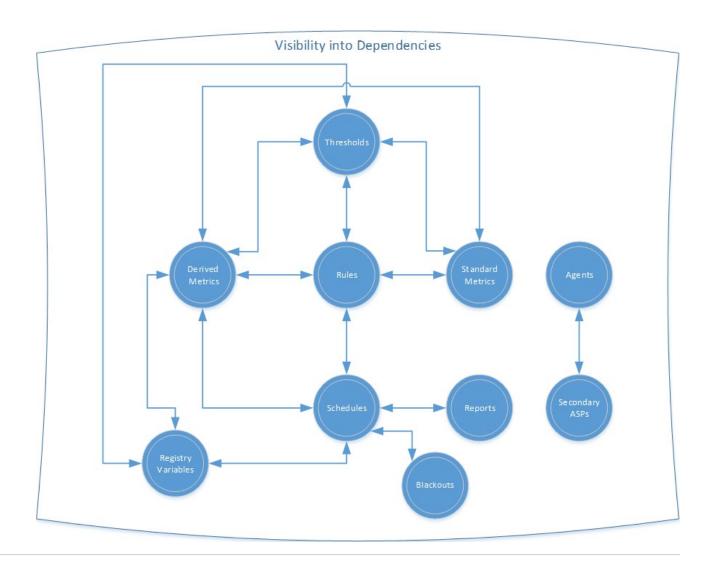
Alarm Management

- Ability to display, alert and act on alarms:
 - Clear Alarms to keep current alarms optimal and the alarms fully functional
 - Purge Alarms to reduce number of Alarms in the database for better performance.
- The engine allows you to clear/purge alarms using 2 methods:
 - Sliding window.
 - Processes older alarms and within the same date the lowest severities first.
 - Severity Order
 - Processes the alarms of a given severity first and within the same severity the oldest to the newest. In the case that there is not enough to fix the issue the engine will use the next specified severity.
 - Failure to reduce the number of alarms will result in an alarm.



Admin Information

- Ability to display what a given an item is using and which items are using it:
- Many cleanup functions for unused Secondary ASPs, Schedules, ...





Credentials Management

- Display all available credentials
- Informs whether or not a record has a hit on the system
- Allows the deletion of records with no hits
- One button clean up of unused credentials



Foglight Self-Management

- Foglight Internal Check
 - Ability to report on the various internal information that foglight provides to self monitor itself.
 - Catalyst Alarms
 - Unit Count
 - Load
 - Connections, . . .
- Foglight Log Analysis
 - Analyses logs for WARN, ERROR and FATAL messages to provide a count summary for each unique message for the last 24 hours, 2, 3, 5, 7, 14, 21 and 28 Days.



Storage Time Slices

- Display time slices that should be Obsolete
- Ability to automatically Obsolete any invalid time slice





Topology

Topology Churn

 Ability to display and alert on topology objects causing churn either by frequent updates or the creation of too many versions.

Topology Dangling References

 Ability to display, alert and automatically remove references to objects that are no longer in the system.

Topology Limit

Ability to display, manage and alert on topology limits.

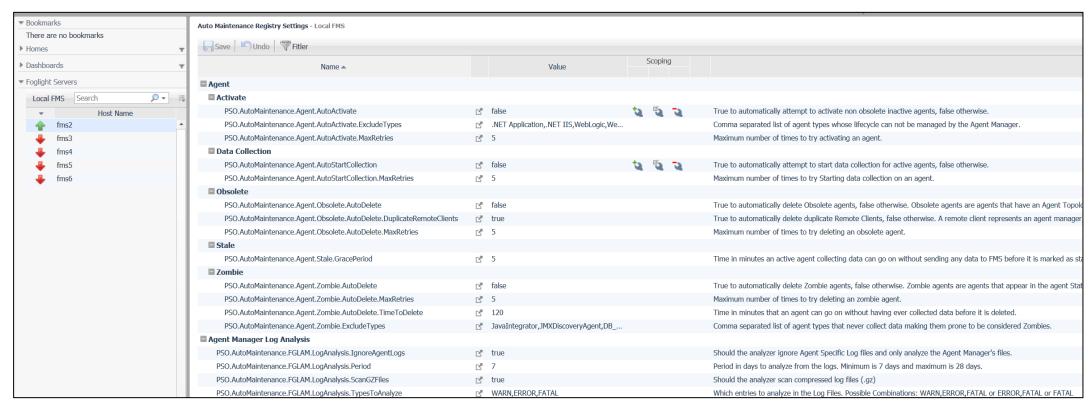
Topology Stale Objects

· Ability to display, manage, alert and automatically delete stale objects

- · Topology Churn is most often caused by either a misconfigured agent or multiple agents monitoring the same element
- · Dangling references are references to non-existent objects
- Topology limit is reached when the amount of objects stored is greater than 50,000.
- Stale defines and object not updated for an extended period of time



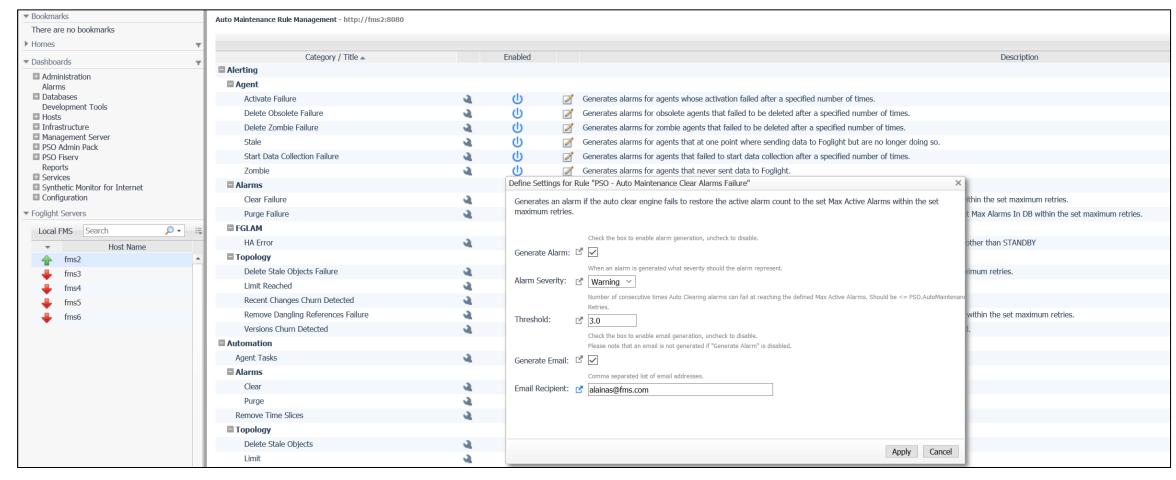
Changing Settings



Remote Administration of the solution across servers



Rule Management



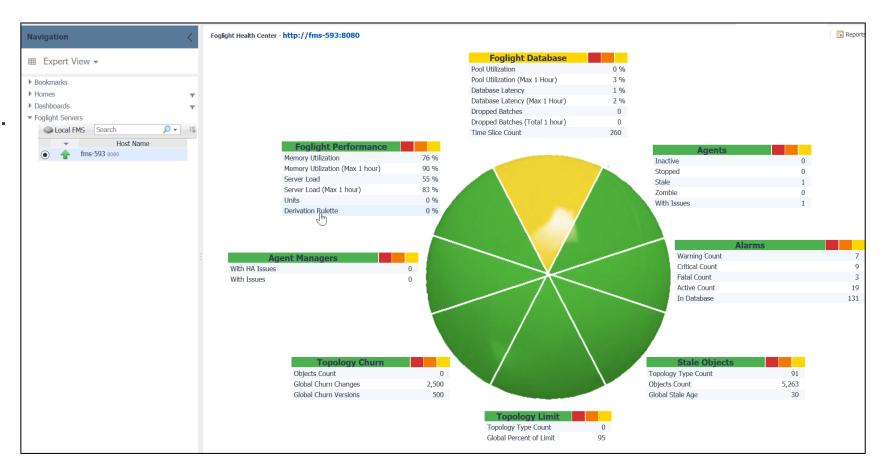
Remote Administration of the solution across servers



13

Auto Maintenance – **Health Center**

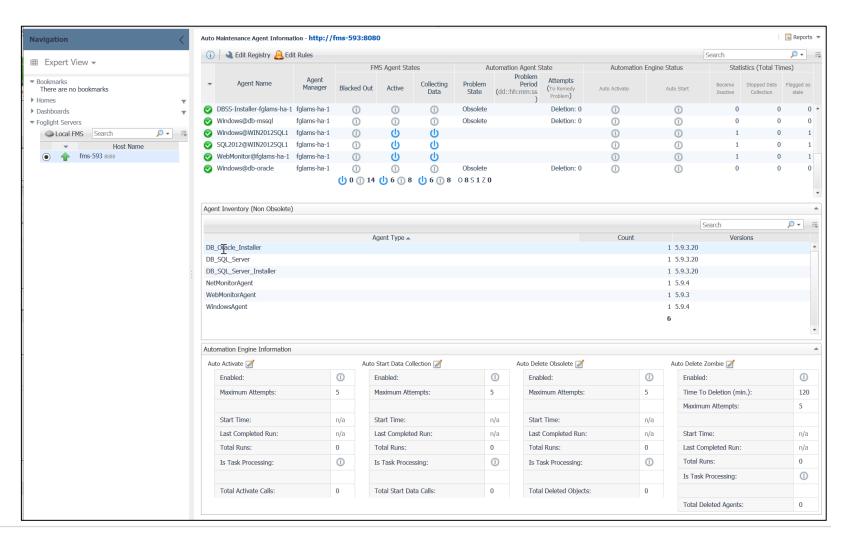
Remote
Monitoring of
Foglight servers.





Agent Information

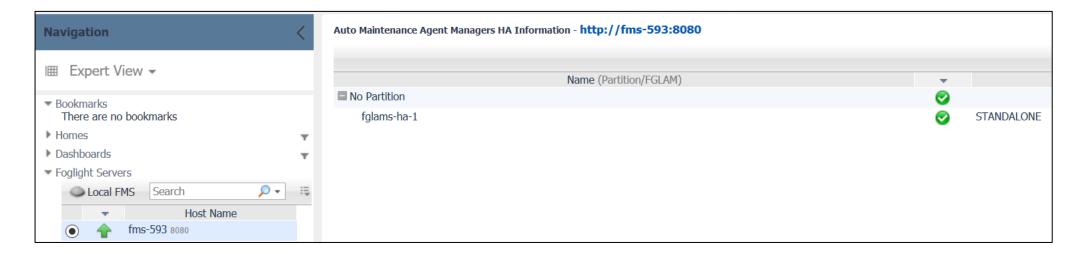
Remote Monitoring of Agents.





Agent Managers HA Information

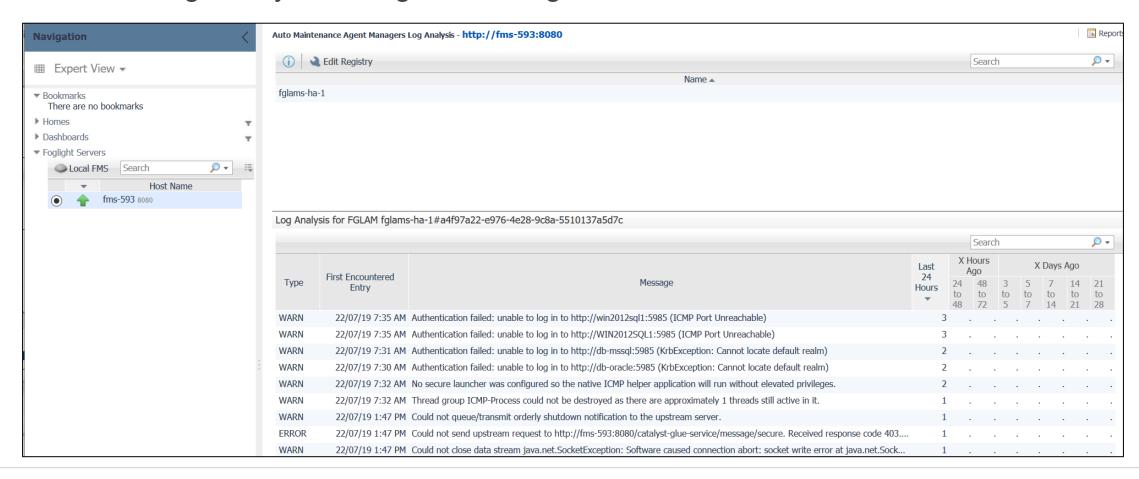
Remote Monitoring of Agent Managers.





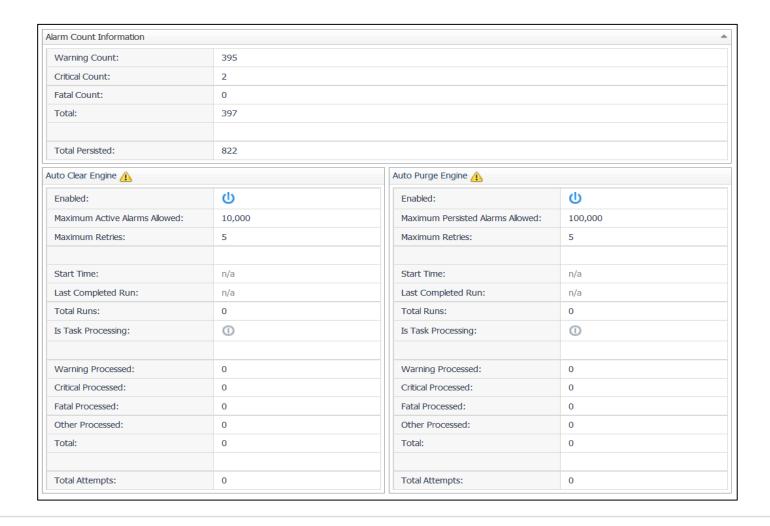
Agent Managers Log Analysis

Remote Log Analysis of Agent Managers.



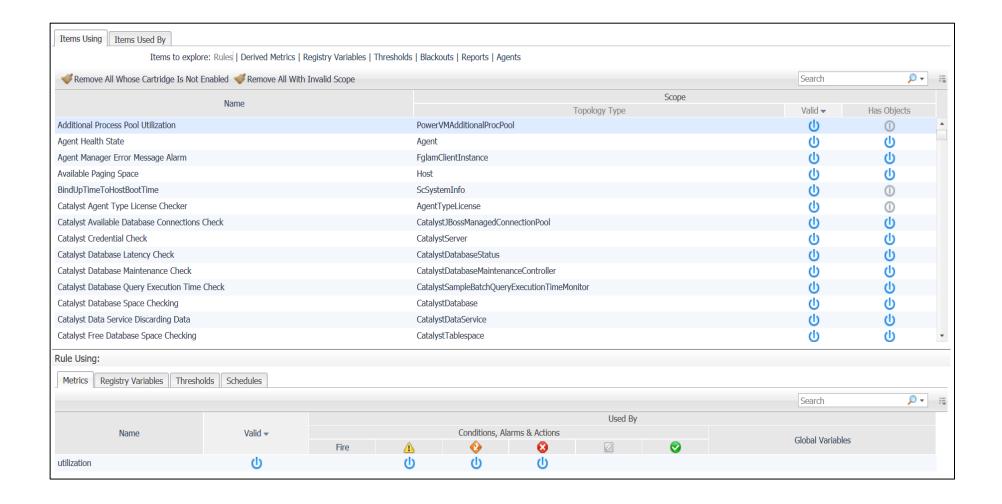


Alarms Information



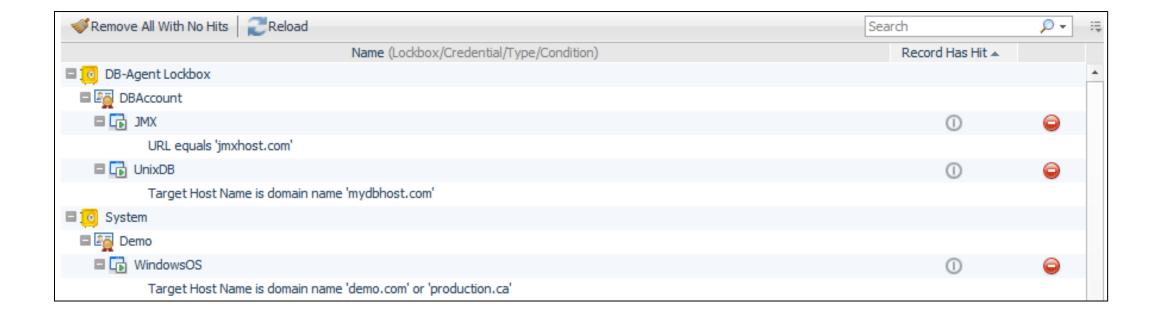


Admin Information



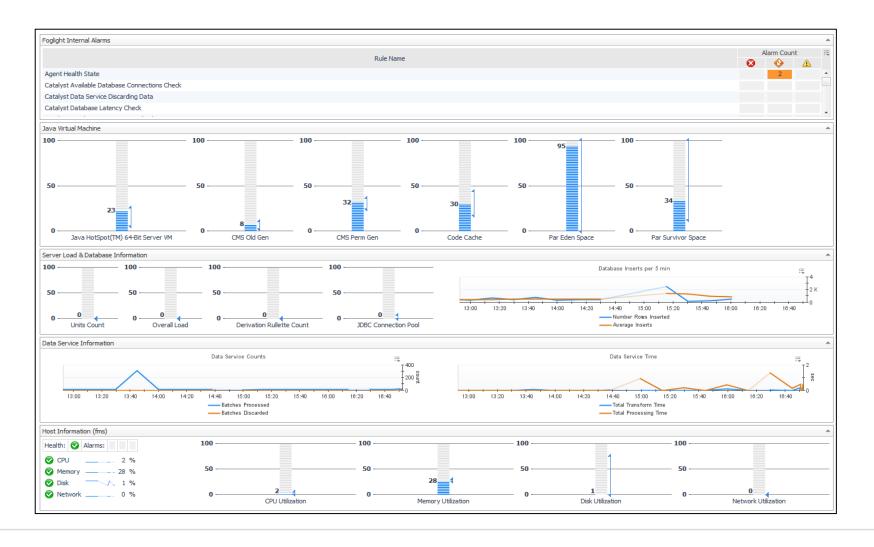


Credential Information



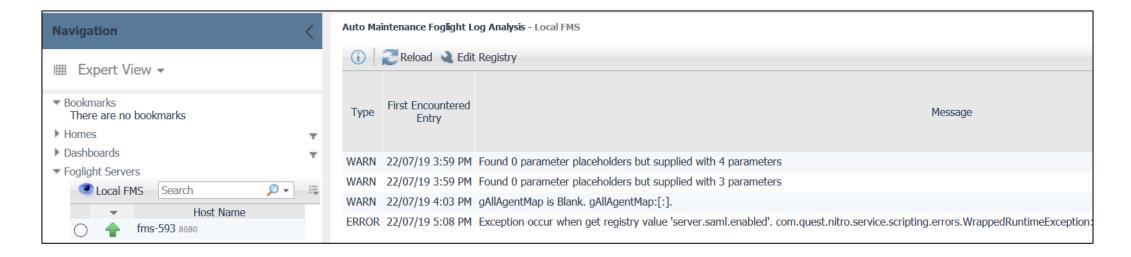


Internal Information



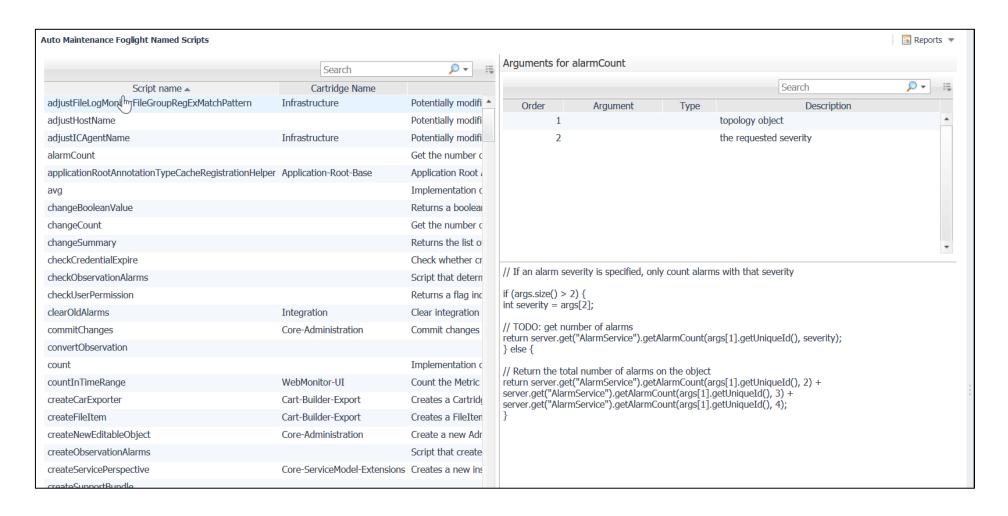
Foglight Log Analysis

Remote Log Analysis of Foglight Servers



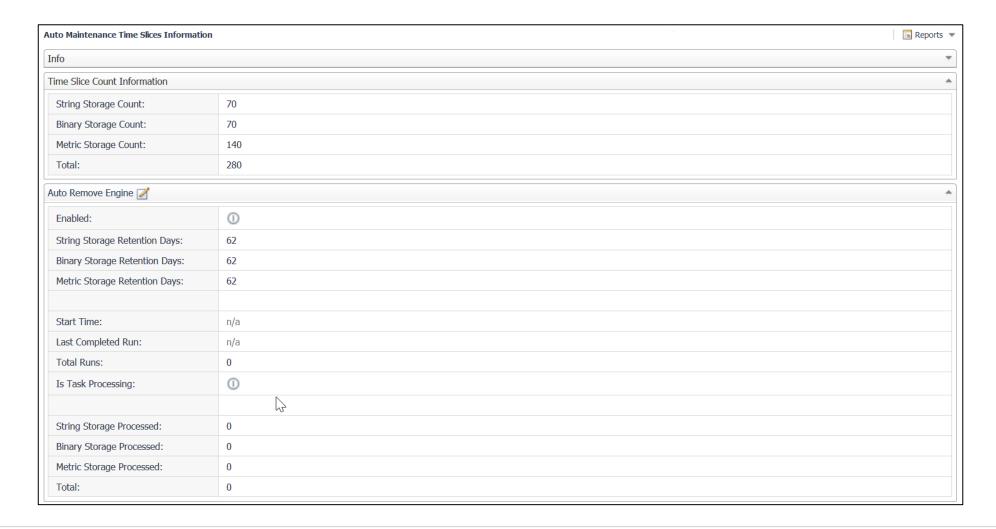


Named Scripts



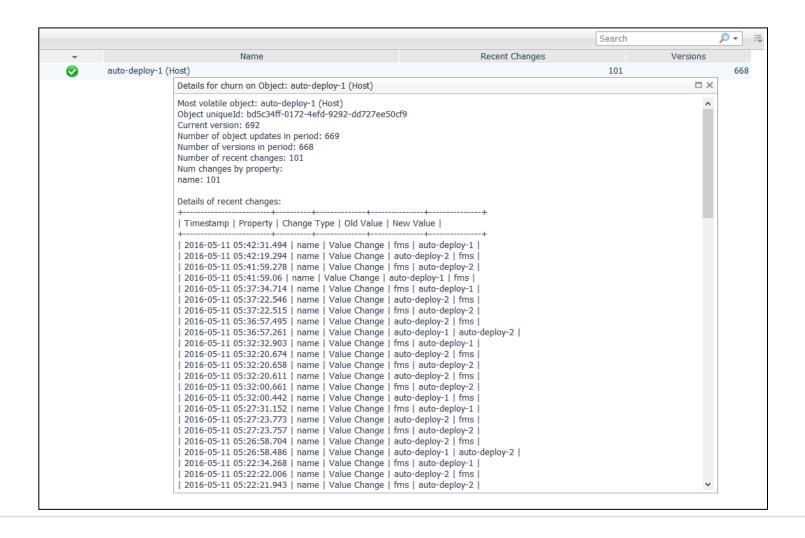


Time Slices



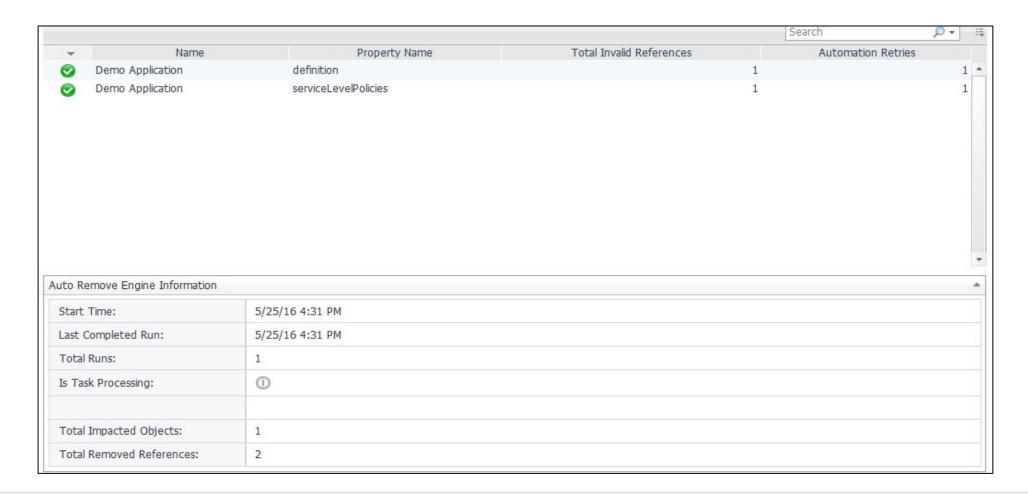


Auto Maintenance – **Topology Churn**



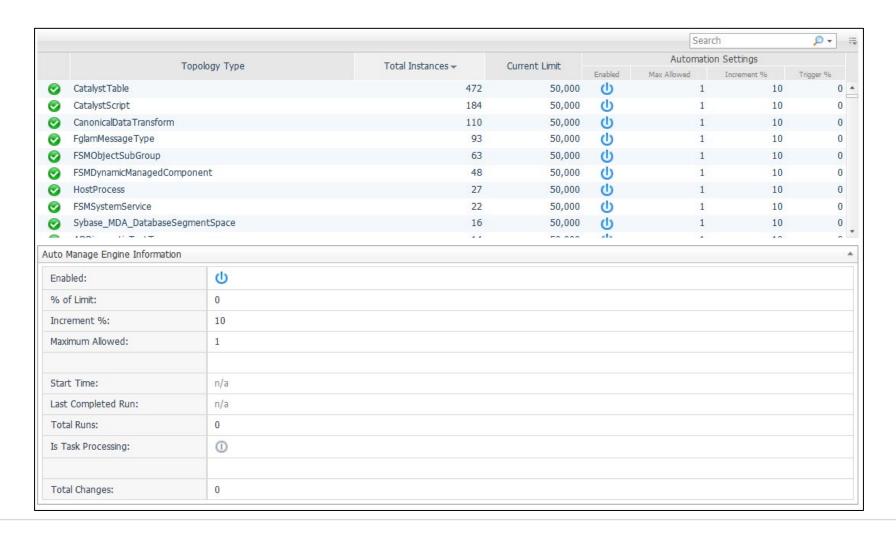


Auto Maintenance – **Dangling References**



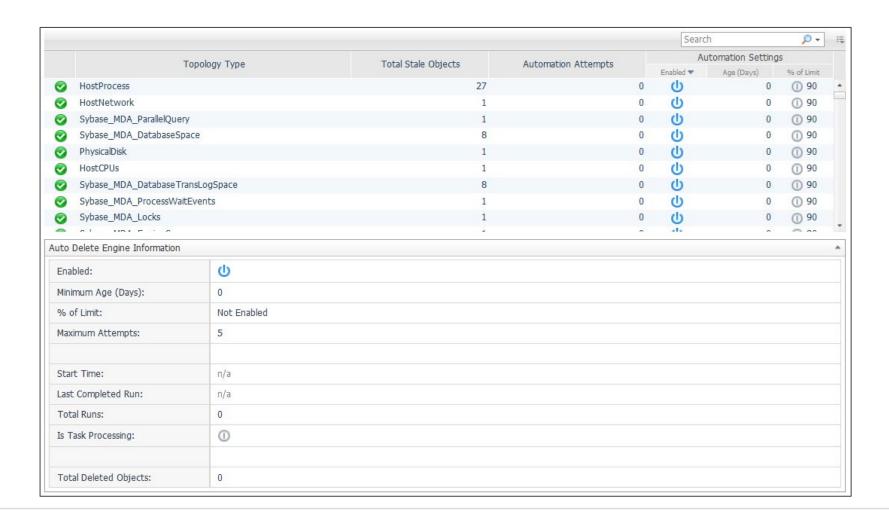


Topology Limit





Stale Objects





Auto Maintenance — System Requirements

Minimum required FMS version

5.9.3

Supported Databases

Minimum Version

Microsoft SQL

2008 (version 10.0.1600 or later)

Oracle

9i R2

MySQL

5.1.45

PostgreSQL

9.4.0

