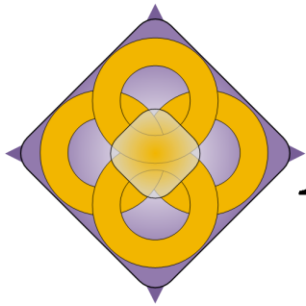
Auto-Deploy
Un-Deploy

Lifecycle Management



LightSpeed PM

Foglight®
by Quest

Auto-Deploy / Un-Deploy – The Solution

The Foglight user community has frequently requested automation of agent deployment and removal. We provide this and more!

Customers have asked for simplification, fewer headaches for clean up, and a way to keep up with agents without a mountain of spreadsheets.

- Keep Foglight Management Servers (FMS) in sync with existing infrastructure monitoring needs
- Sync your FMS with a CMDB or just a list
  - Ensure the FMS is monitoring active servers when added
  - Ensure monitoring stops when servers are decommissioned
- Automate user requests for monitoring or requests to stop monitoring
- Ensure that FMS servers are not being overloaded
- Manage Foglight Agent Managers (FglAM) and what is being deployed on them

Highlights

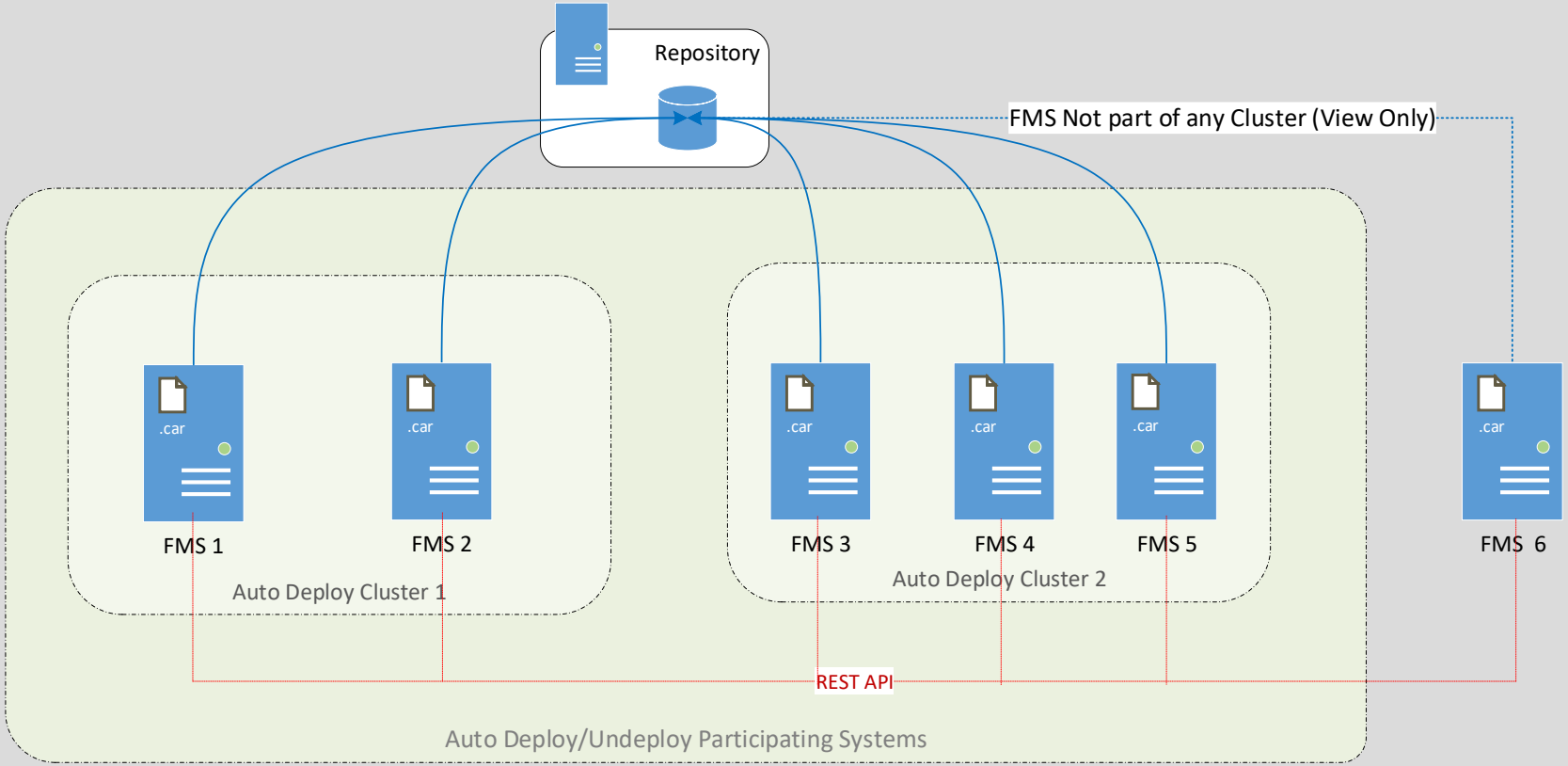
- Easy to deploy and user friendly, with many options
- **Remotely Administer** the solution across servers
- Deploy and configure agents with no user intervention
- Stop monitoring systems hands free
  - Delete all data and remove credential mappings with no user intervention
- Cluster the servers in order to target groups of servers when deploying agents
- Monitor the status of tasks from any FMS
- Manage which agent types gets deployed on which FGLAMs
- Leverage Groovy APIs to allow any type of integration

Highlights (cont'd)

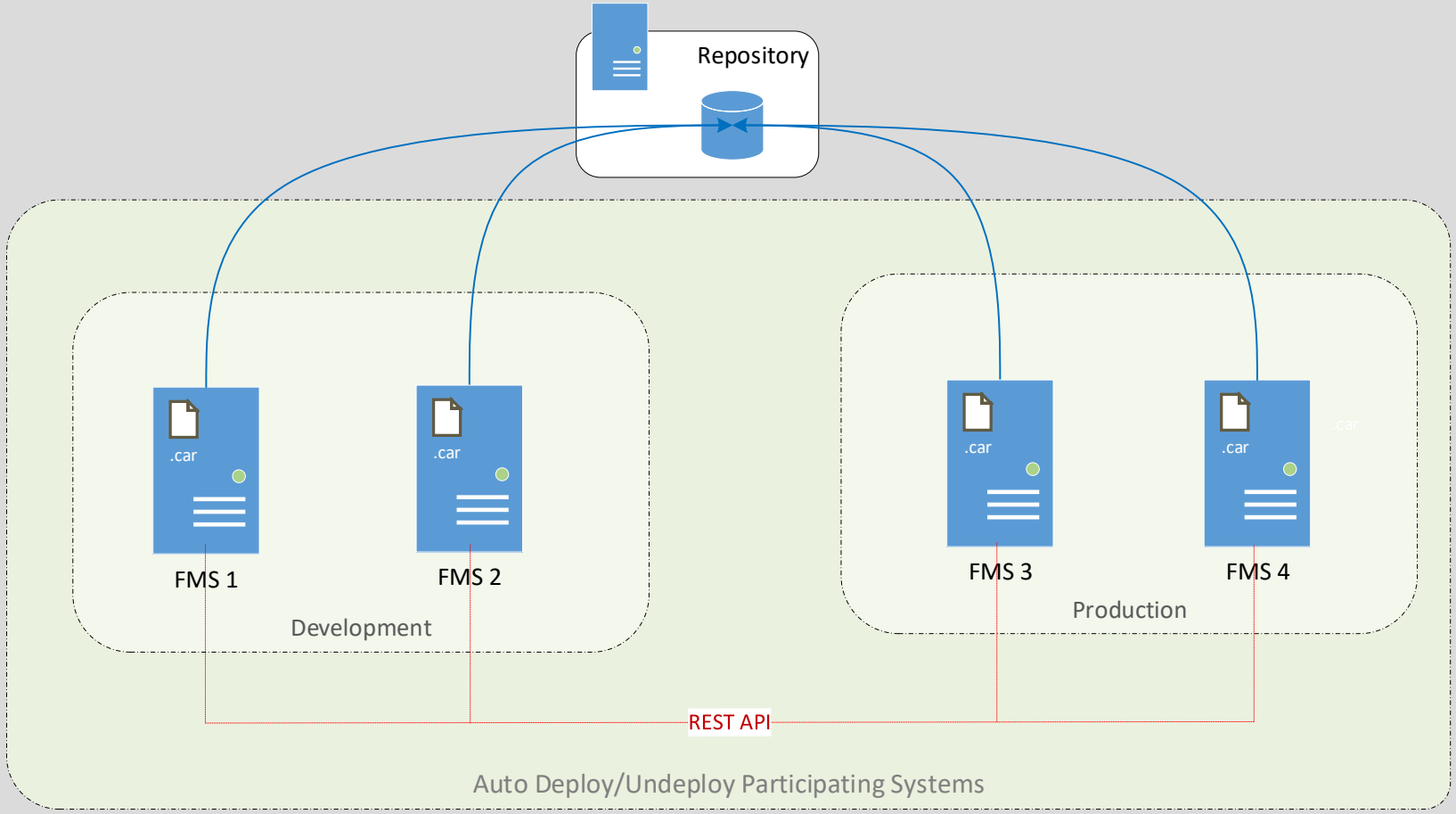
- Receive alerts on failures
- Obtain and audit trail of all activities
- Insert Tasks using provided Groovy APIs
  - Combined with Foglight REST API provides many possibilities
- Insert Tasks from external sources
  - CSV File
  - JSON File
  - Database
- Flow Injection

Overview

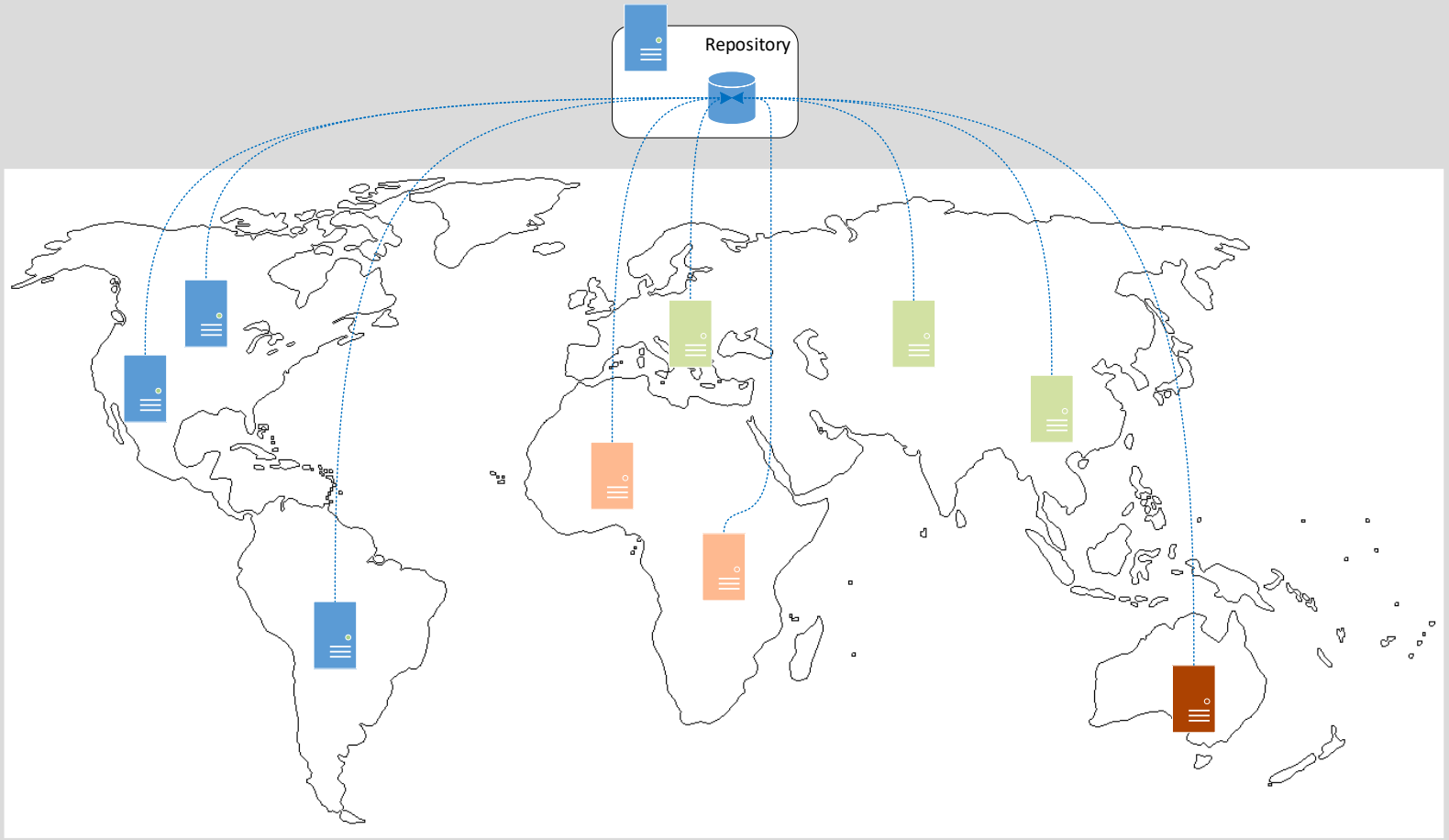
- Simple Cartridge Deployment
- No agents required
- Everything is DB driven
- Clustering is supported for Auto-Deploy
- Clusters are not supported for Auto / Un-deploy (Opt. in or Opt. out)



Use Case 1 – Manage Prod and Dev separately



Use Case 2 - Simplified view of the Auto-Deploy Flow

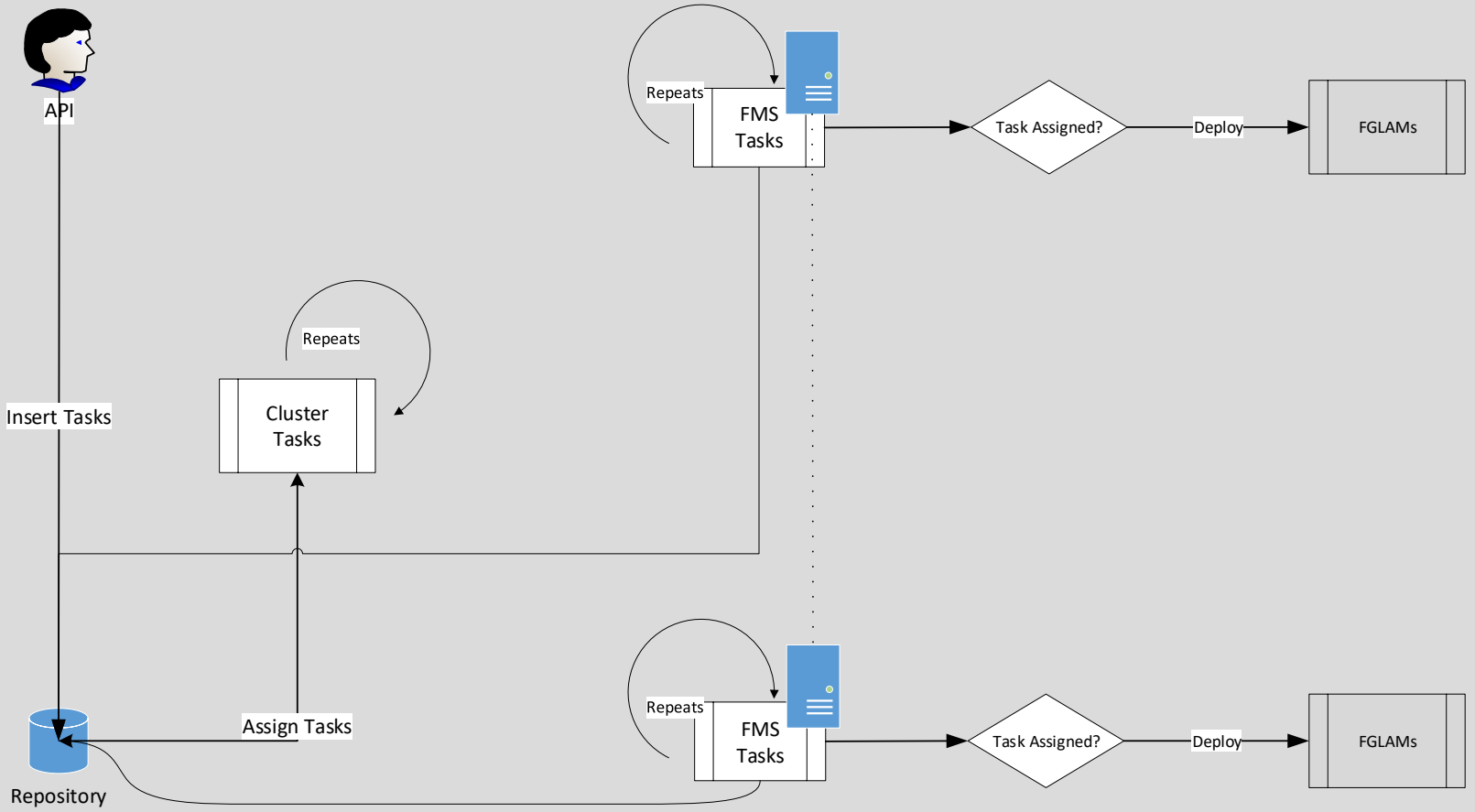


Auto Deploy - **Flow**

Cluster Tasks
- Assigns Tasks based on load and agent types assigned to FGLAMs
- Depending of agent being deployed may assign to a specific FMS or FGLAM

FMS Tasks
- Calculates Load of FMS and FGLAMs
- Validates participating FGLAMs
- Track Deployed items
  - Hosts
  - Oracle RACs
  - SPI Repositories
  - SPI Agents

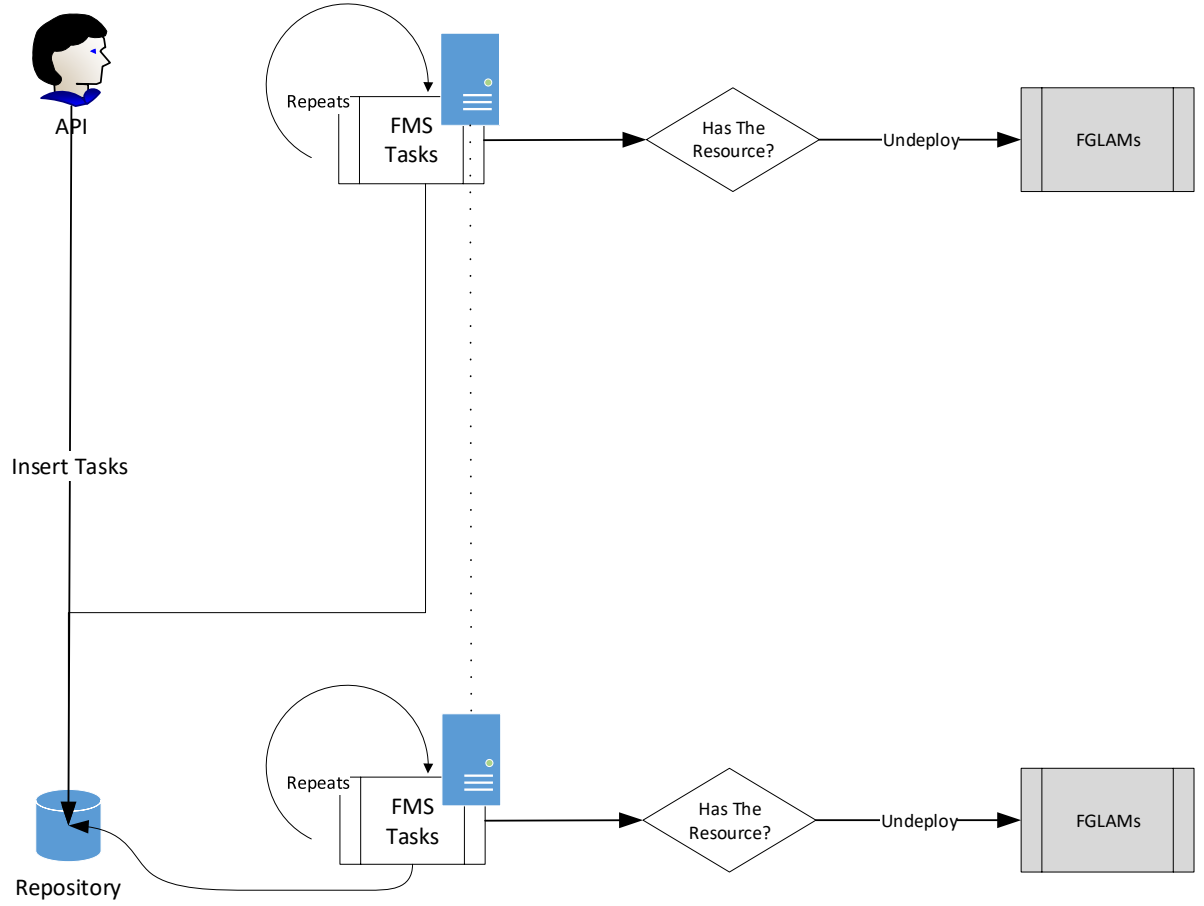
Automated deployment actions:
- Packages are deployed
- Agents are Created
- Agent are Configured
- Resource mapper to Credentials
- Lockboxes deployed



Un-Deploy - Flow

FMS Tasks
- Check if as task targets a host it has
- Executes Un-Deployment

Automated clean-up actions:
- Remove agent
- Remove entries in secondary ASPs
- Delete Data
- Remove Mappings



Supported Agents

Supported Agents	Min Version	Supported Agents	Min Version
Unix Agent Plus	5.8.5.8	DB2	5.7.5.50
Unix Agent	5.7.3	Oracle SPI	1.7.0
Windows Agent	5.7.3	Oracle Agent	5.7.5.50
Multi Host Process Monitor Agent	-	Oracle RAC Agent	5.7.5.50
File Log Monitor Agent	5.8.5.8	Oracle RAC Instance Agent	5.7.5.50
Windows Event Log Monitor Agent	5.8.5.8	SQL SPI	1.7.0
Net Monitor Agent	5.7.0	SQL Server Agent	5.7.5.50
Web Monitor Agent	5.7.0	Cassandra	5.7.5.65
PSO Perfmon Agent	2.0.0	MongoDB	5.7.5.65
PSO WMI Agent	1.0.0	MySQL	5.7.5.76
PSO Port Check Agent	2.0.0	PostgreSQL	5.7.5.90
PSO SSH Command Agent	2.0.0		
Custom Script Agents	-		

Auto Deploy – **Lockboxes/Credentials**

The Auto-Deploy engine supports releasing lockboxes to Agent Managers

The Auto-Deploy engine will map resources to the proper credential if provided

When deploying URLs to monitor, credentials can be created by the Auto-Deploy engine

The Un-Deploy solution supports removing any entry from the mappings of the removed hosts or/and agents

Agents Automation

Host Agents

- Ability to specify Physical Host / Virtual Hosts
- Ability to Automate Process monitoring
- Ability to Automate Windows Service monitoring

File Log Monitor Agent

- Automate Target Host Details
- Automate File Details
- Automate Pattern Details

Windows Event Log Monitor Agent

- Automate Target Host details
- Automate Filter details

Net Monitor Agent

- Automate Target Host details

Web Monitor Agent

- Automate URL Details
- Credential Creation

Agents Automation (Cont'd)

DB2
- Connection Details
- OS Monitoring
- Databases
- Partitions

Oracle SPI
- Automate Installation

Oracle Agent
- Connection Details
- OS Monitoring
- Custom Queries (User Collections)

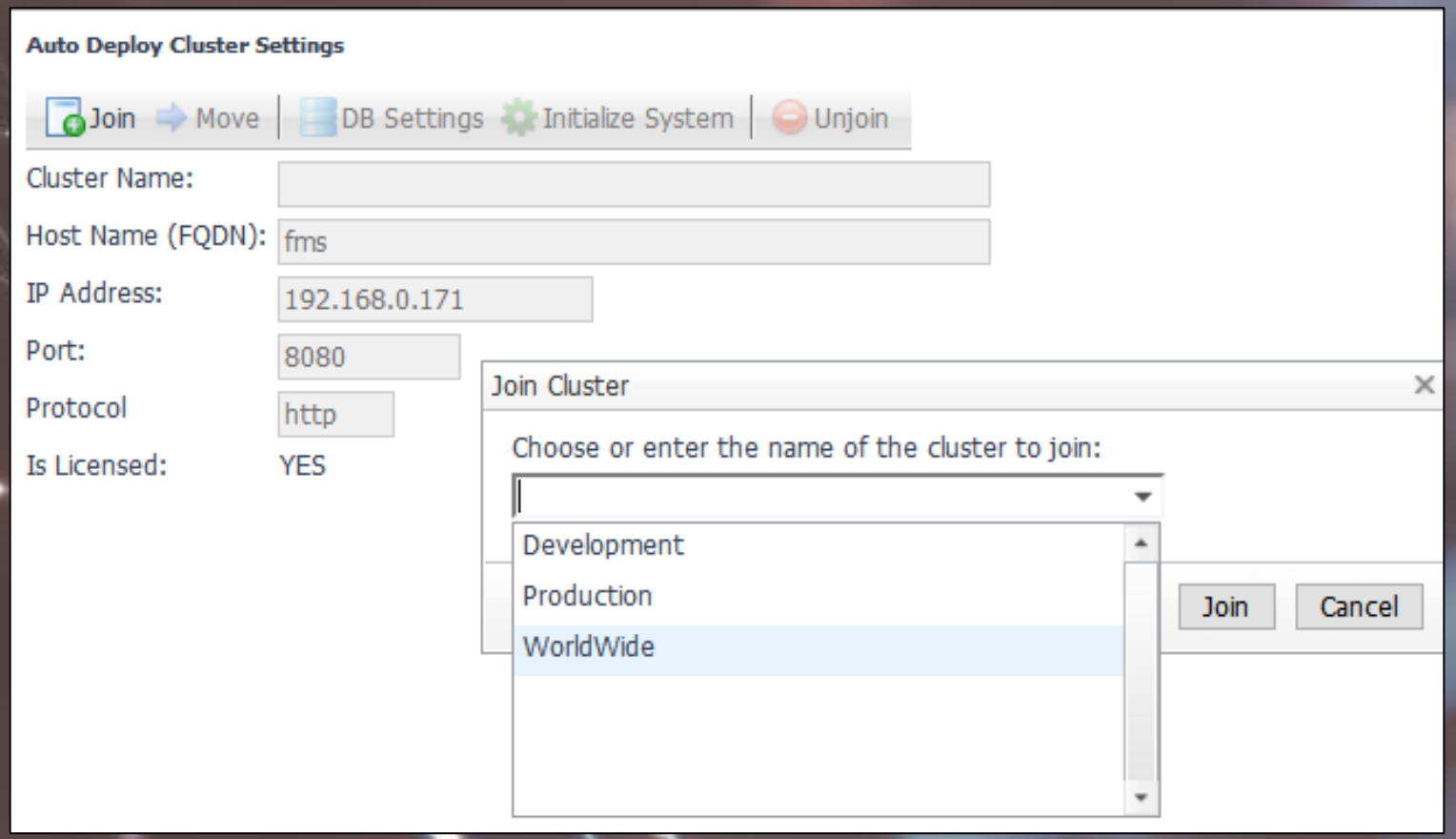
Oracle RAC / RAC Instance
- RAC Name
- Connection Details
- OS Monitoring

SQL SPI
- Automate Installation

SQL Server Agent
- Connection Details
- OS Monitoring
- Custom Queries (User Collections)

Custom Script Agents
- Automate deployment

Auto-Deploy – **Defining Clusters**



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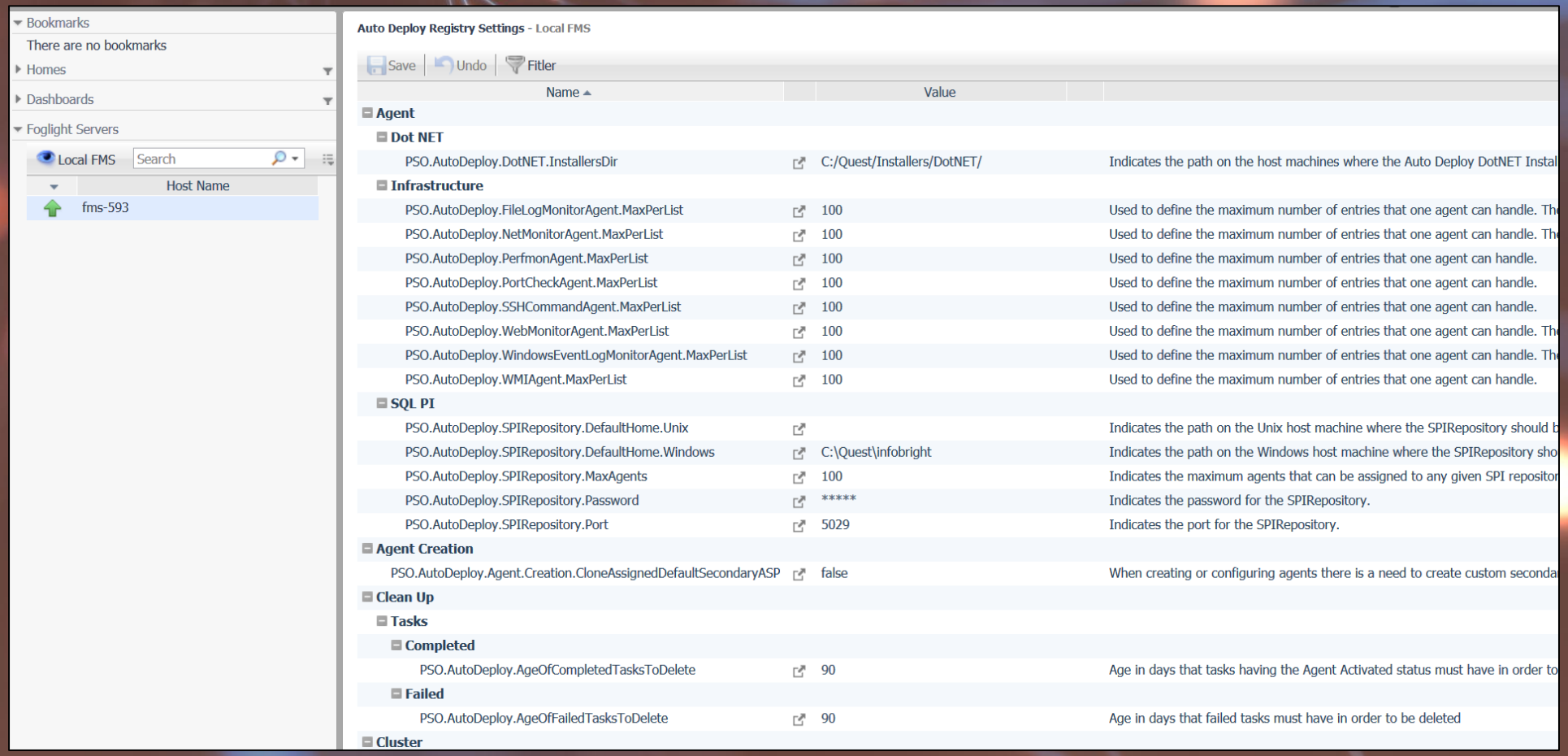
Auto-Deploy – Changing Settings



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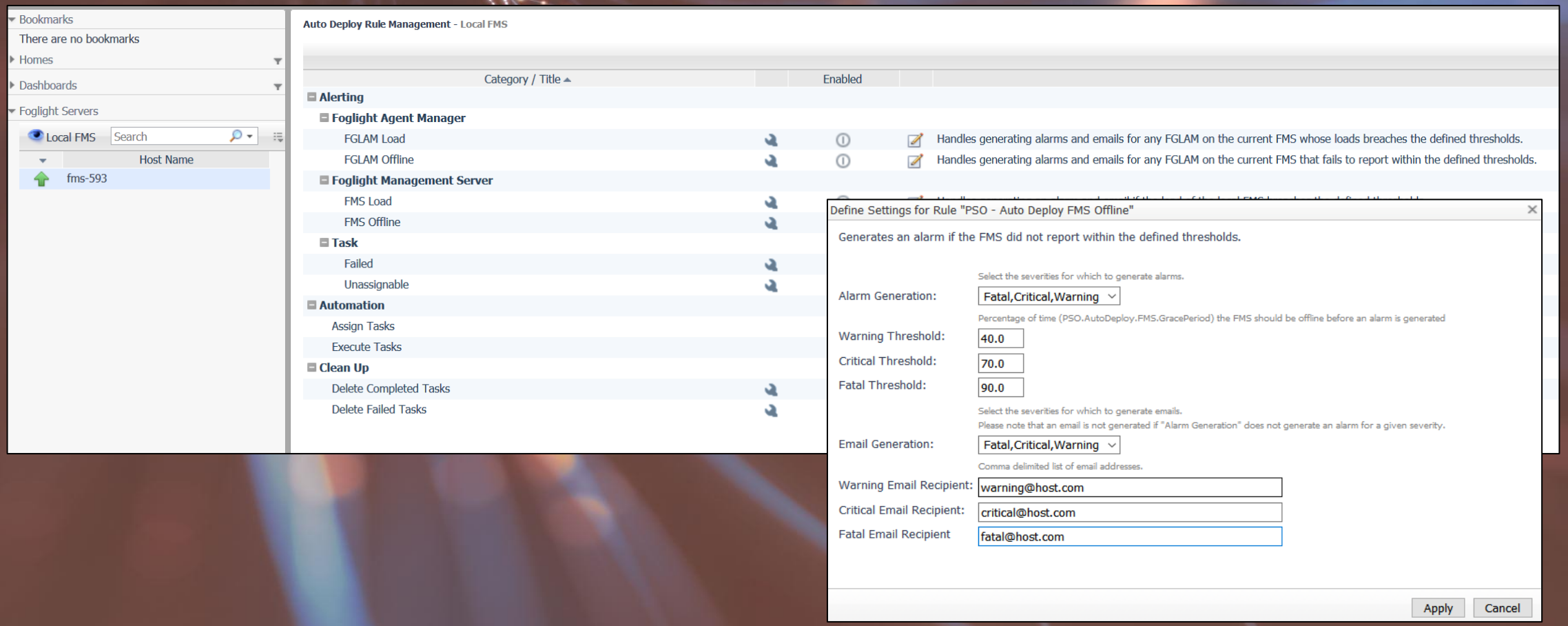
Auto-Deploy – Rule Management



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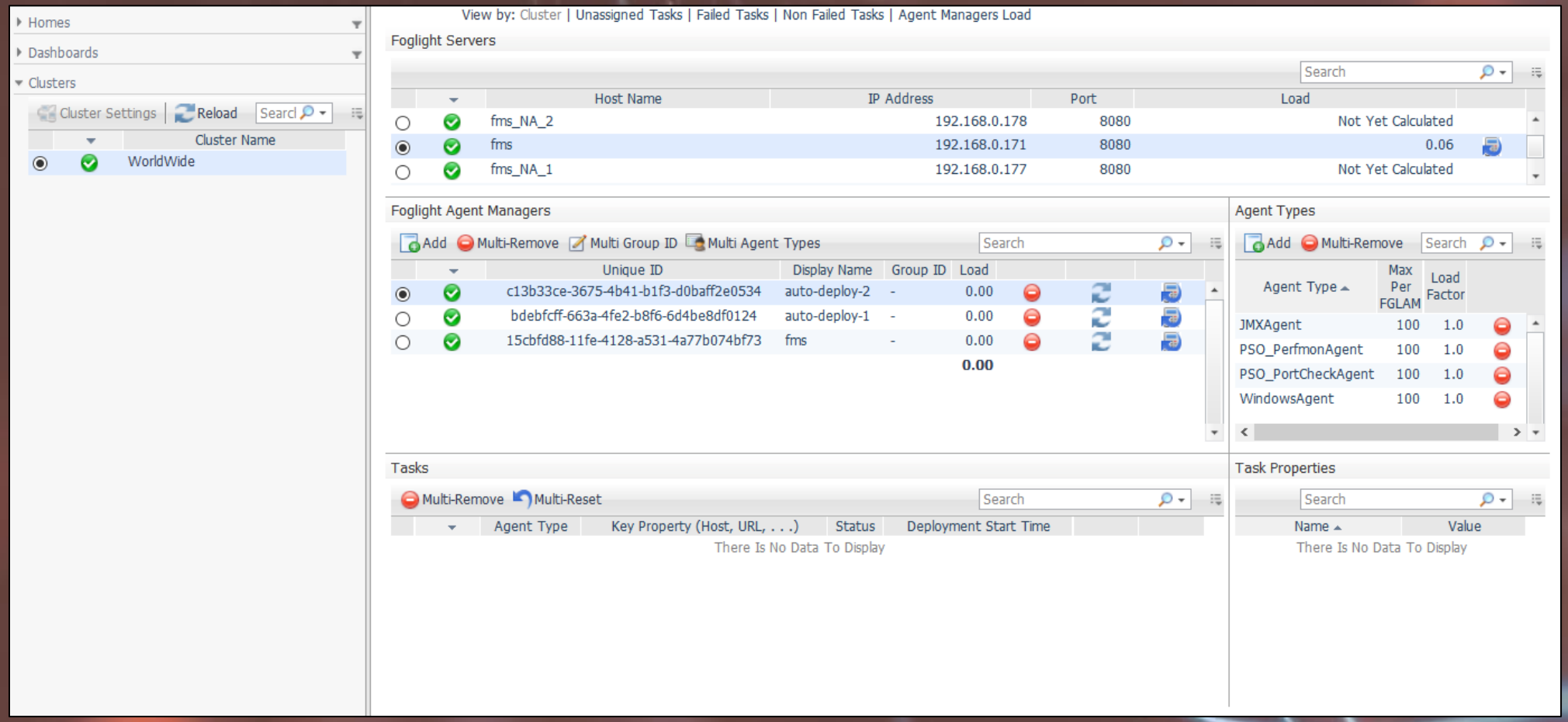
Auto-Deploy – **Administration**



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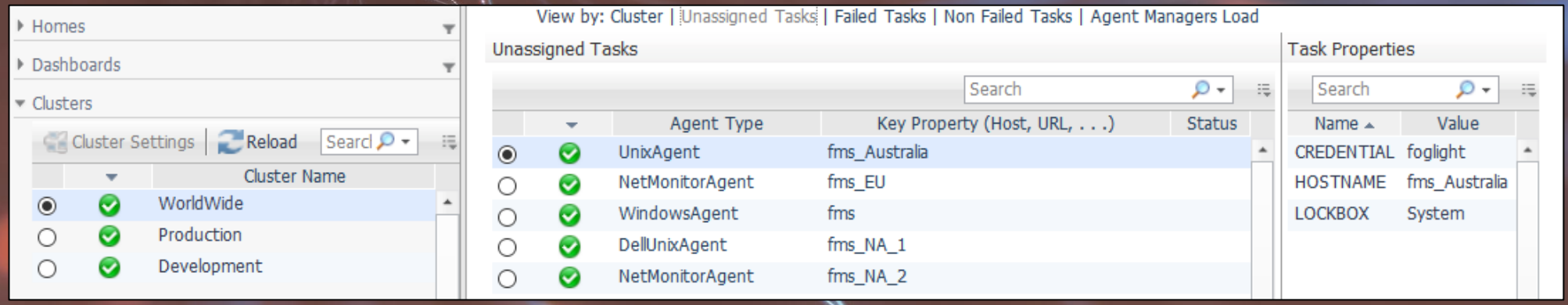
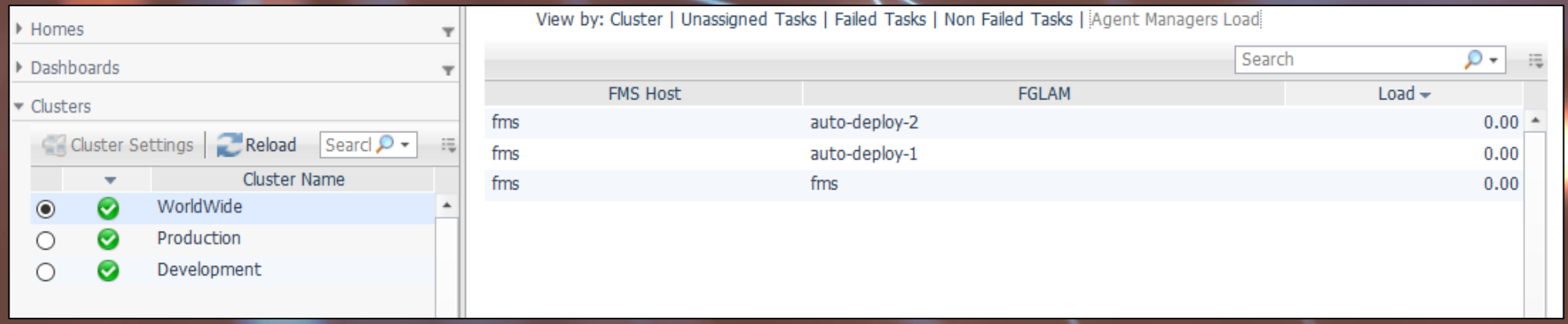
Auto-Deploy – **Monitoring**





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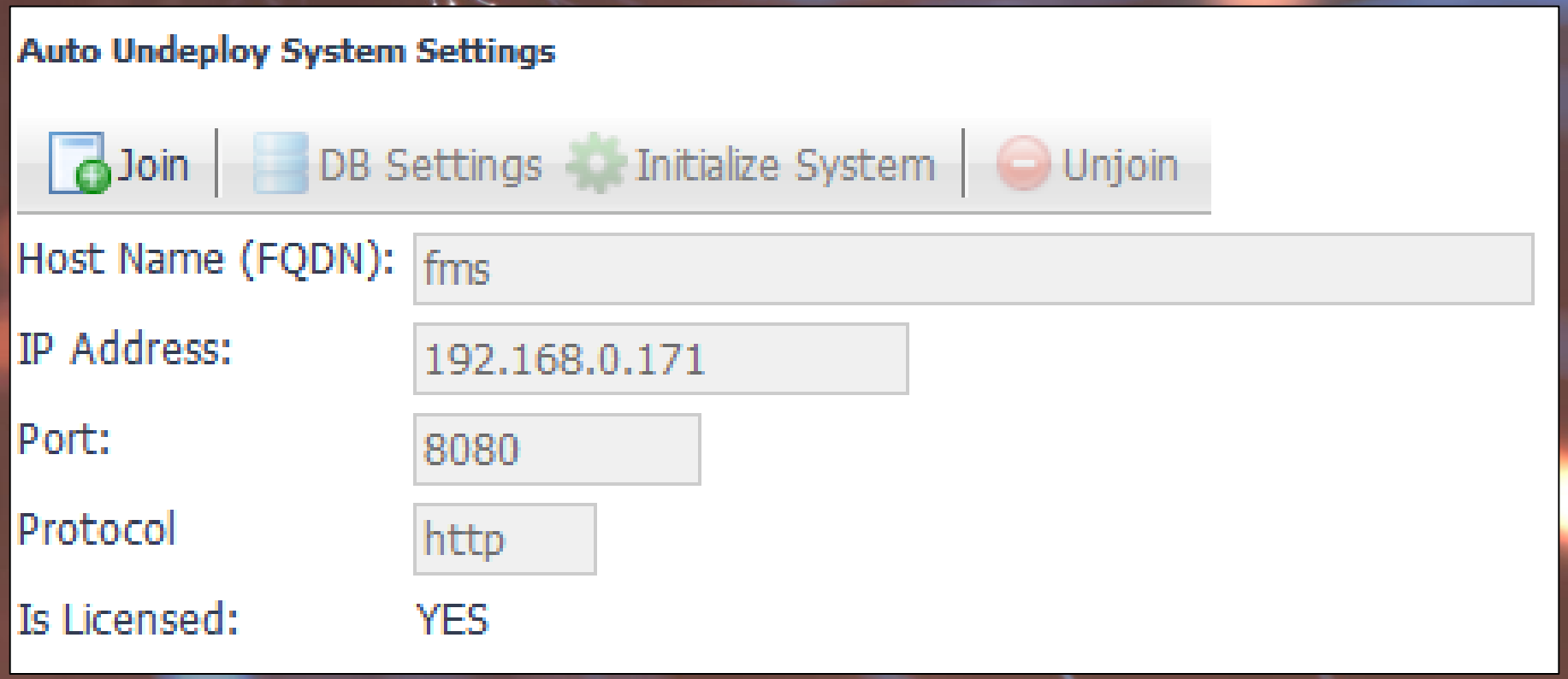
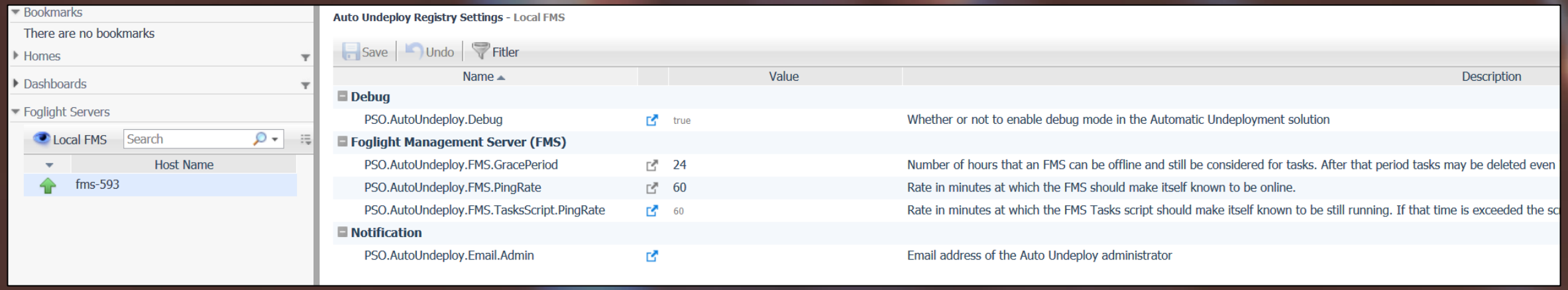
Un-Deploy – Joining System



Un-Deploy – Changing Settings



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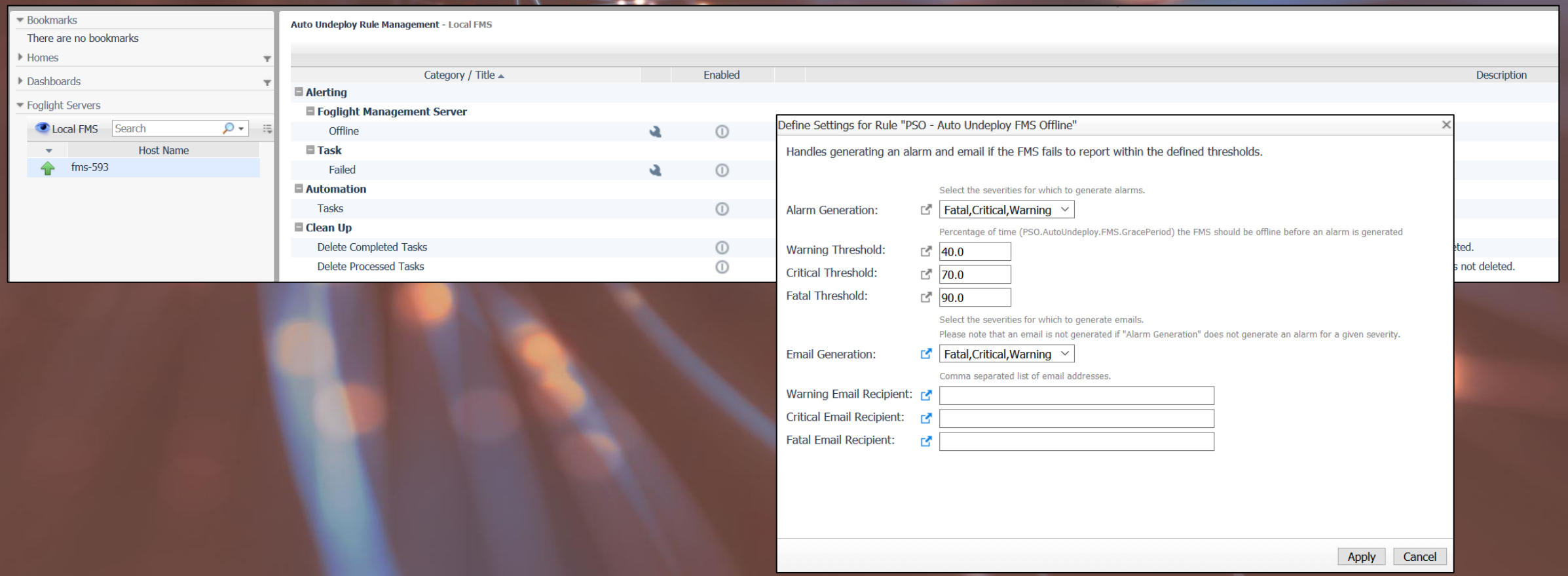
Un-Deploy – Rule Management



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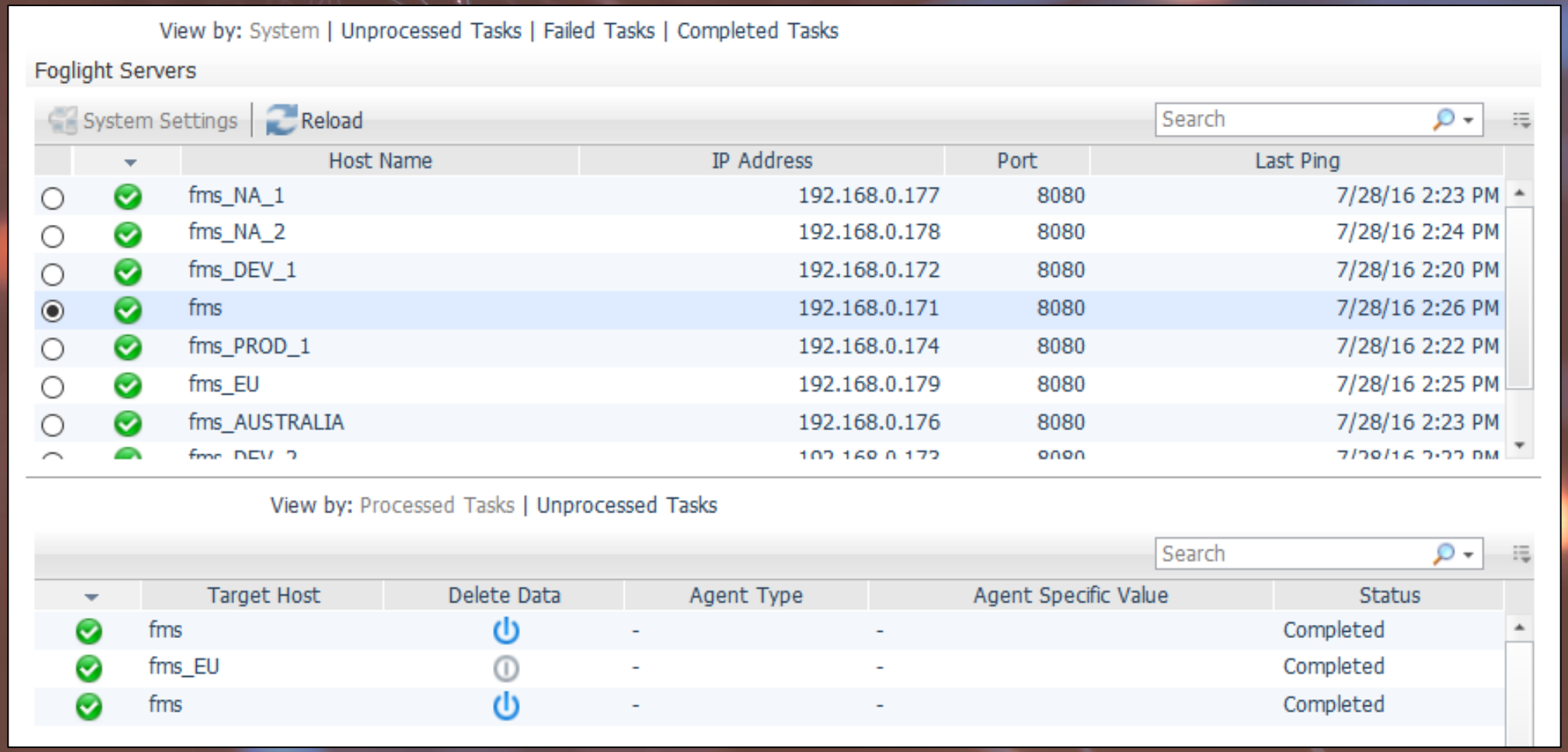
Un-Deploy – **Monitoring**



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Auto-Deploy
Un-Deploy
–
System Requirements

Minimum required FMS version: 5.9.3

Supported Database Minimum Version	MS SQL	2008 v 10.0.1600 or later
	Oracle	9i R2
	MySQL	5.1.45
	PostgreSQL	9.4.0

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Ten plus years of providing Professional Services to Quest customers revealed these enhancements to be most requested modifications.

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Contact: Sales@LightSpeedPM.com

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