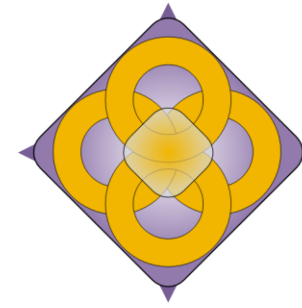# Auto-Deploy
Un-Deploy

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

- Out of the box: Simplified and Dynamic insertion or removal of hosts for monitoring via an external list or export from a CMDB
  - 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
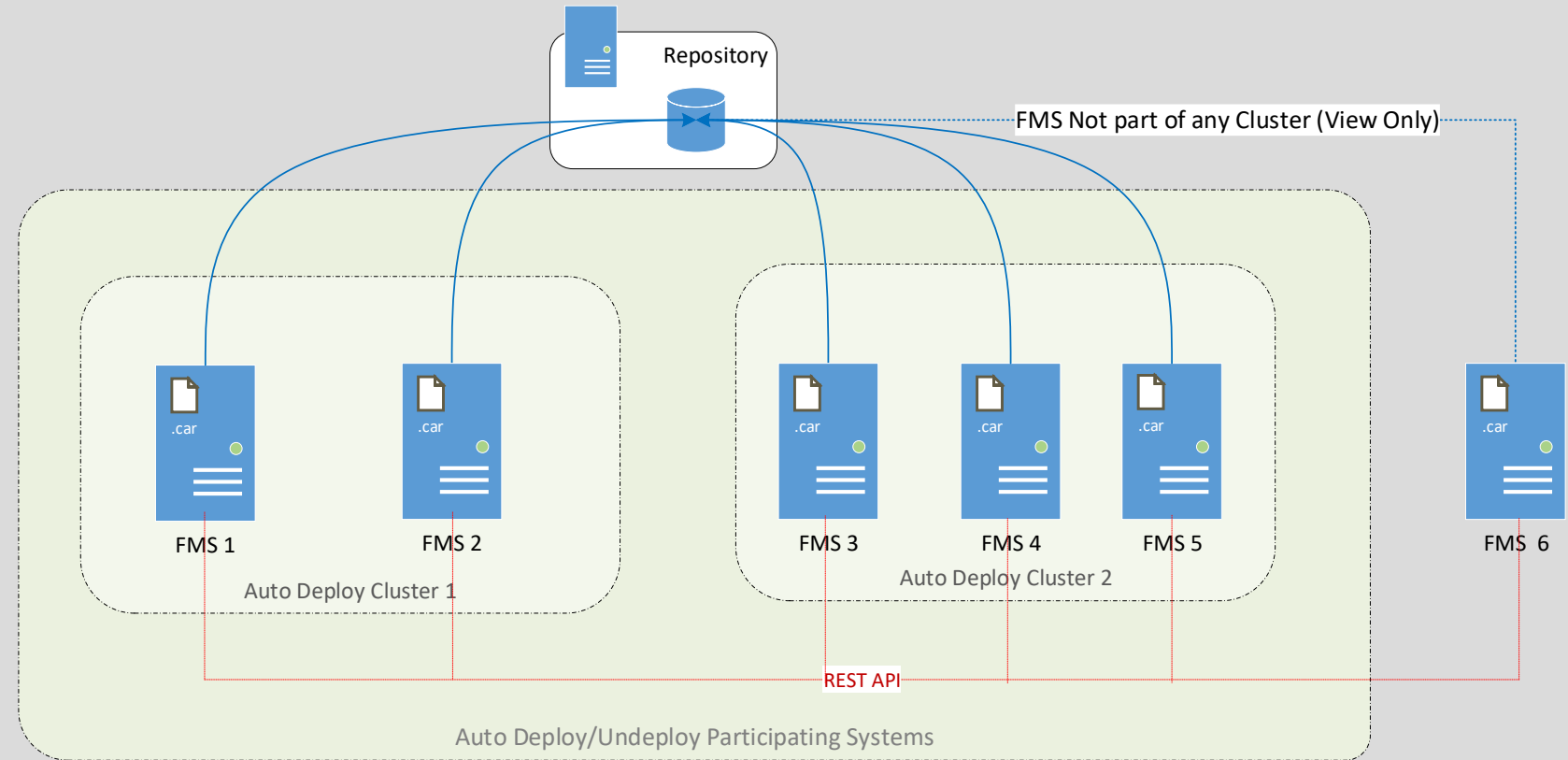
Highlights (cont'd)

- 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
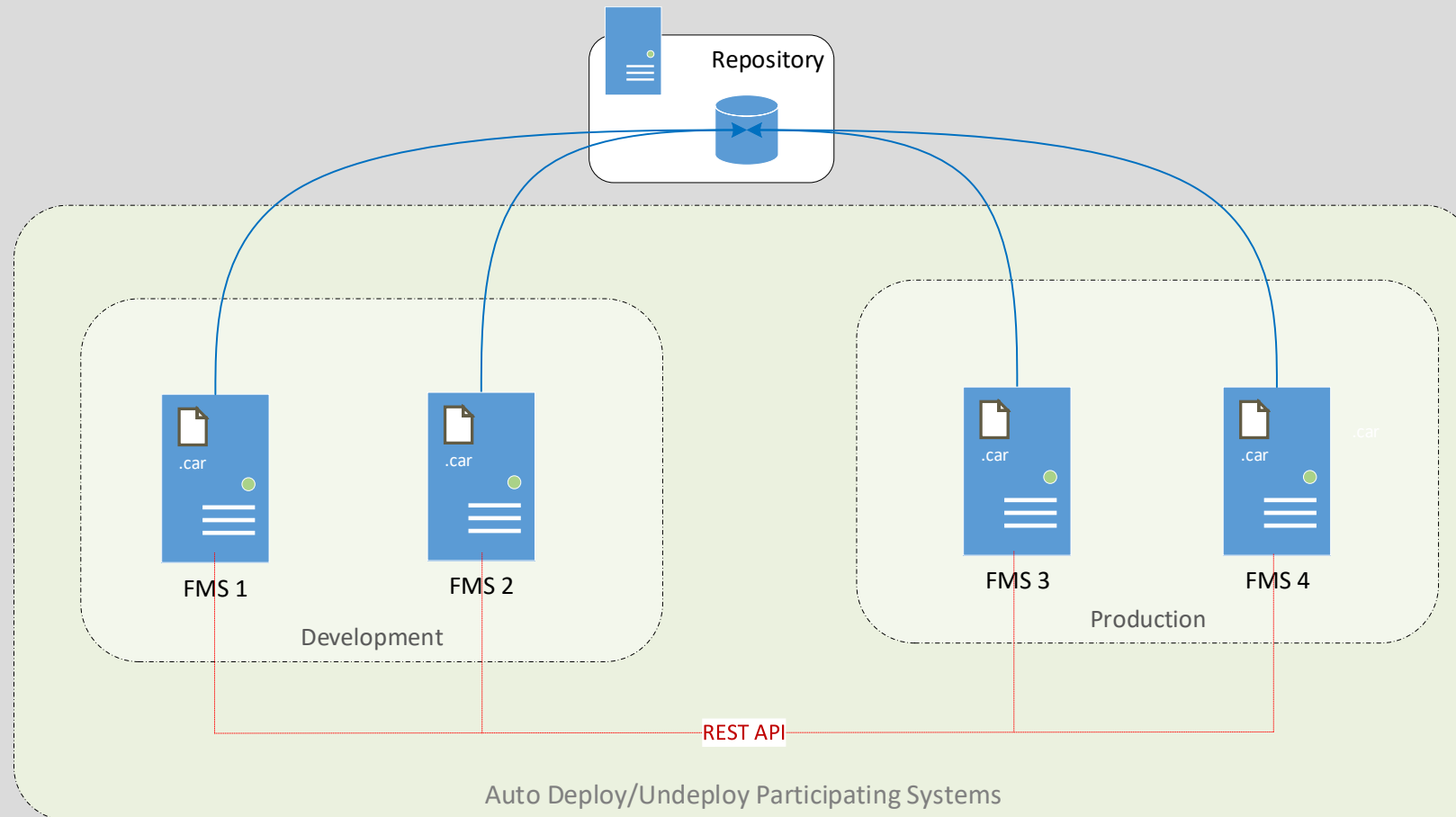 - CSV File
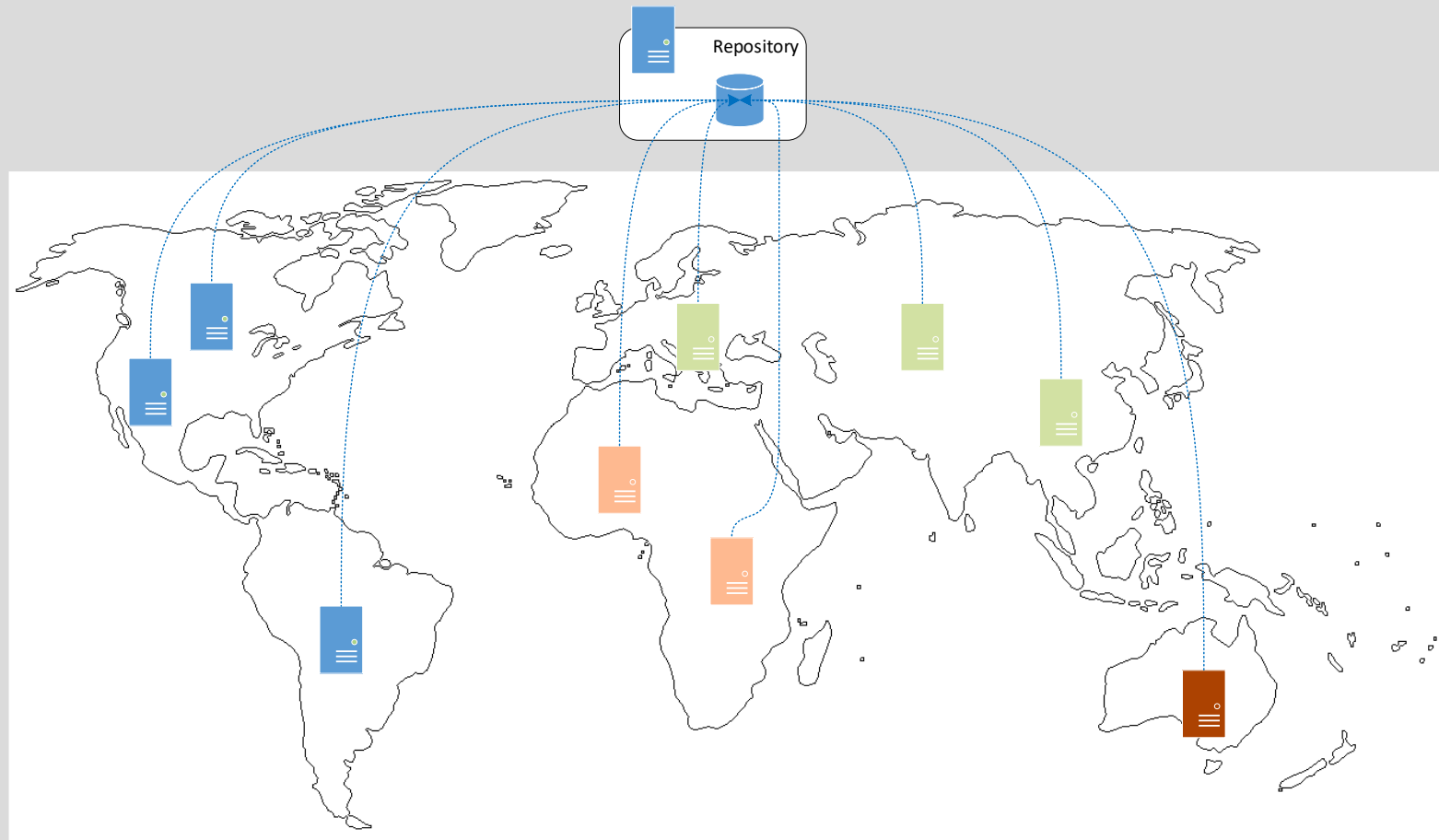 - JSON File
  - Database

- 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)

Repository

FMS Not part of any Cluster (View Only)

.car
.car
FMS 1
FMS 2
Auto Deploy Cluster 1

.car
.car
.car
FMS 3
FMS 4
FMS 5
Auto Deploy Cluster 2

.car
FMS 6

REST API

Auto Deploy/Undeploy Participating Systems

Use Case 1 – Manage Prod and Dev separately

Repository

.car
FMS 1

.car
FMS 2

.car
FMS 3

.car
FMS 4

Development

Production

REST API

Auto Deploy/Undeploy Participating Systems

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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

API

Insert Tasks

Repeats

Cluster Tasks

Assign Tasks

Repository

Repeats

FMS Tasks

Task Assigned? — Deploy → FGLAMs

Repeats

FMS Tasks

Task Assigned? — Deploy → FGLAMs
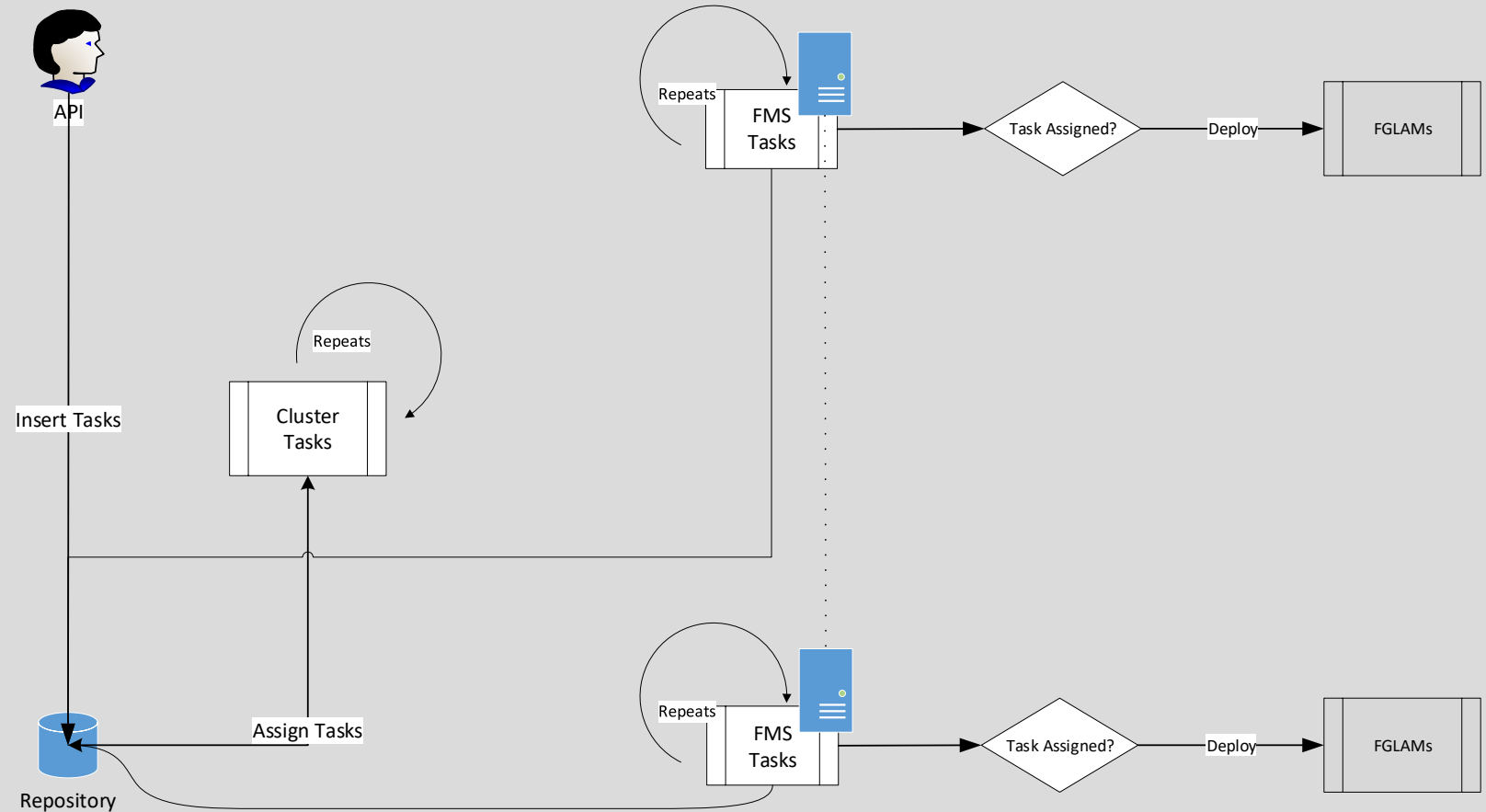
Un-Deploy - Flow

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
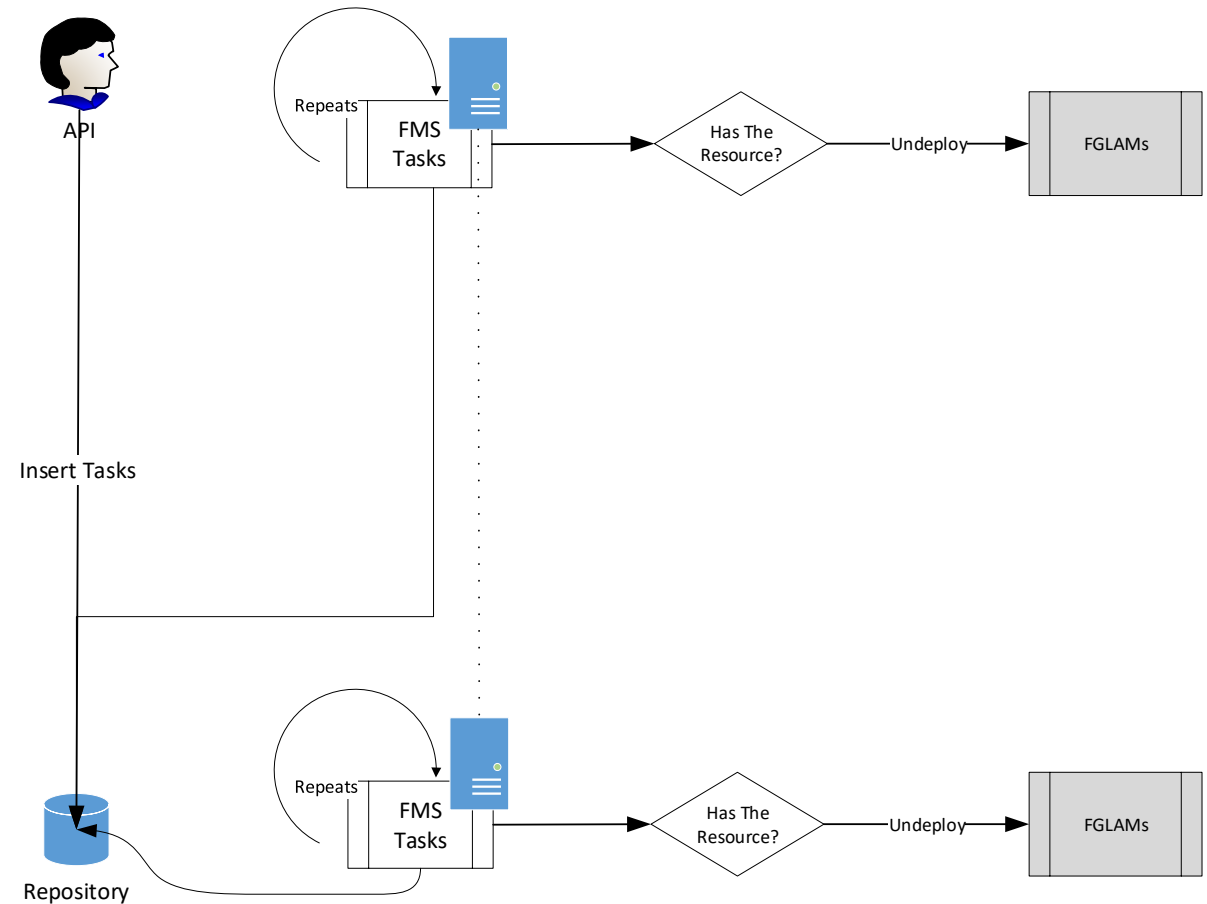
Supported Agents

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

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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

Auto-Deploy – Changing Settings

Bookmarks
There are no bookmarks
▸ Homes
▸ Dashboards
▾ Foglight Servers

Local FMS   Search

	Host Name
⬆	fms-593

Auto Deploy Registry Settings - Local FMS

💾 Save   ↶ Undo   ⏳ Fitler

Name ▲		Value	
⊟ Agent			
⊟ Dot NET			
PSO.AutoDeploy.DotNET.InstallersDir	⬈	C:/Quest/Installers/DotNET/	Indicates the path on the host machines where the Auto Deploy DotNET Instal
⊟ Infrastructure			
PSO.AutoDeploy.FileLogMonitorAgent.MaxPerList	⬈	100	Used to define the maximum number of entries that one agent can handle. Th
PSO.AutoDeploy.NetMonitorAgent.MaxPerList	⬈	100	Used to define the maximum number of entries that one agent can handle. Th
PSO.AutoDeploy.PerfmonAgent.MaxPerList	⬈	100	Used to define the maximum number of entries that one agent can handle.
PSO.AutoDeploy.PortCheckAgent.MaxPerList	⬈	100	Used to define the maximum number of entries that one agent can handle.
PSO.AutoDeploy.SSHCommandAgent.MaxPerList	⬈	100	Used to define the maximum number of entries that one agent can handle.
PSO.AutoDeploy.WebMonitorAgent.MaxPerList	⬈	100	Used to define the maximum number of entries that one agent can handle. Th
PSO.AutoDeploy.WindowsEventLogMonitorAgent.MaxPerList	⬈	100	Used to define the maximum number of entries that one agent can handle. Th
PSO.AutoDeploy.WMIAgent.MaxPerList	⬈	100	Used to define the maximum number of entries that one agent can handle.
⊟ SQL PI			
PSO.AutoDeploy.SPIRepository.DefaultHome.Unix	⬈		Indicates the path on the Unix host machine where the SPIRepository should b
PSO.AutoDeploy.SPIRepository.DefaultHome.Windows	⬈	C:\Quest\infobright	Indicates the path on the Windows host machine where the SPIRepository sho
PSO.AutoDeploy.SPIRepository.MaxAgents	⬈	100	Indicates the maximum agents that can be assigned to any given SPI reposito
PSO.AutoDeploy.SPIRepository.Password	⬈	*****	Indicates the password for the SPIRepository.
PSO.AutoDeploy.SPIRepository.Port	⬈	5029	Indicates the port for the SPIRepository.
⊟ Agent Creation			
PSO.AutoDeploy.Agent.Creation.CloneAssignedDefaultSecondaryASP	⬈	false	When creating or configuring agents there is a need to create custom seconda
⊟ Clean Up			
⊟ Tasks			
⊟ Completed			
PSO.AutoDeploy.AgeOfCompletedTasksToDelete	⬈	90	Age in days that tasks having the Agent Activated status must have in order to
⊟ Failed			
PSO.AutoDeploy.AgeOfFailedTasksToDelete	⬈	90	Age in days that failed tasks must have in order to be deleted
⊟ Cluster			

Auto-Deploy – Rule Management

Auto-Deploy – Administration

Auto-Deploy – Monitoring

Un-Deploy – Joining System

Auto Undeploy System Settings

Join | DB Settings | Initialize System | Unjoin

Host Name (FQDN):	fms
IP Address:	192.168.0.171
Port:	8080
Protocol	http
Is Licensed:	YES

Un-Deploy – Changing Settings

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Un-Deploy – Rule Management

Un-Deploy – Monitoring

View by: System | Unprocessed Tasks | Failed Tasks | Completed Tasks

Foglight Servers

System Settings | Reload   Search

		Host Name	IP Address	Port	Last Ping
○	✓	fms_NA_1	192.168.0.177	8080	7/28/16 2:23 PM
○	✓	fms_NA_2	192.168.0.178	8080	7/28/16 2:24 PM
○	✓	fms_DEV_1	192.168.0.172	8080	7/28/16 2:20 PM
◉	✓	fms	192.168.0.171	8080	7/28/16 2:26 PM
○	✓	fms_PROD_1	192.168.0.174	8080	7/28/16 2:22 PM
○	✓	fms_EU	192.168.0.179	8080	7/28/16 2:25 PM
○	✓	fms_AUSTRALIA	192.168.0.176	8080	7/28/16 2:23 PM
○	✓	fms_DEV_2	192.168.0.173	8080	7/28/16 2:22 PM

View by: Processed Tasks | Unprocessed Tasks

Search

	Target Host	Delete Data	Agent Type	Agent Specific Value	Status
✓	fms	⏻	-	-	Completed
✓	fms_EU	Ⓞ	-	-	Completed
✓	fms	⏻	-	-	Completed

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	

Performance Monitoring customized to your unique environment

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

Let us take Foglight's out of the box capabilities and enhance for your unique environment.

Contact: Sales@LightSpeedPM.com