

Active MQ Integration (Alarm Export)



Custom
Integrations

ActiveMQ Integration – Highlights

Simplify the effort to export/send alarms to a Queue

- Increase control without creating Custom Event Driven rules for ActiveMQ integrations
- Eliminates the need for Groovy scripting
- Provides customizable fields
- Enables Direct Insertion to a queue
- Remote administration across all Foglight servers
- Decision engine for total/precise control
 - 20 Levels of granularity
 - Severity Level control



ActiveMQ Integration – Highlights

Use of Groovy Scripts for power users

- Use of groovy scripting with complete injected flow context
- Ability to reject/delay ticket generation

Pattern editor (No groovy required)

- Easily access the information related to the alarm.
- Access to dozens of fields to easily provide values to parameters
- A dozen common operators available to easily avoid any coding

Persisted Queue

No events are lost

- Guaranteed delivery
- Keep history for rejected, failed and successful operations for total control
- Pause or delay control
- Consumer Thread settings/control to manage concurrency and volume



ActiveMQ Integration Alarming Features

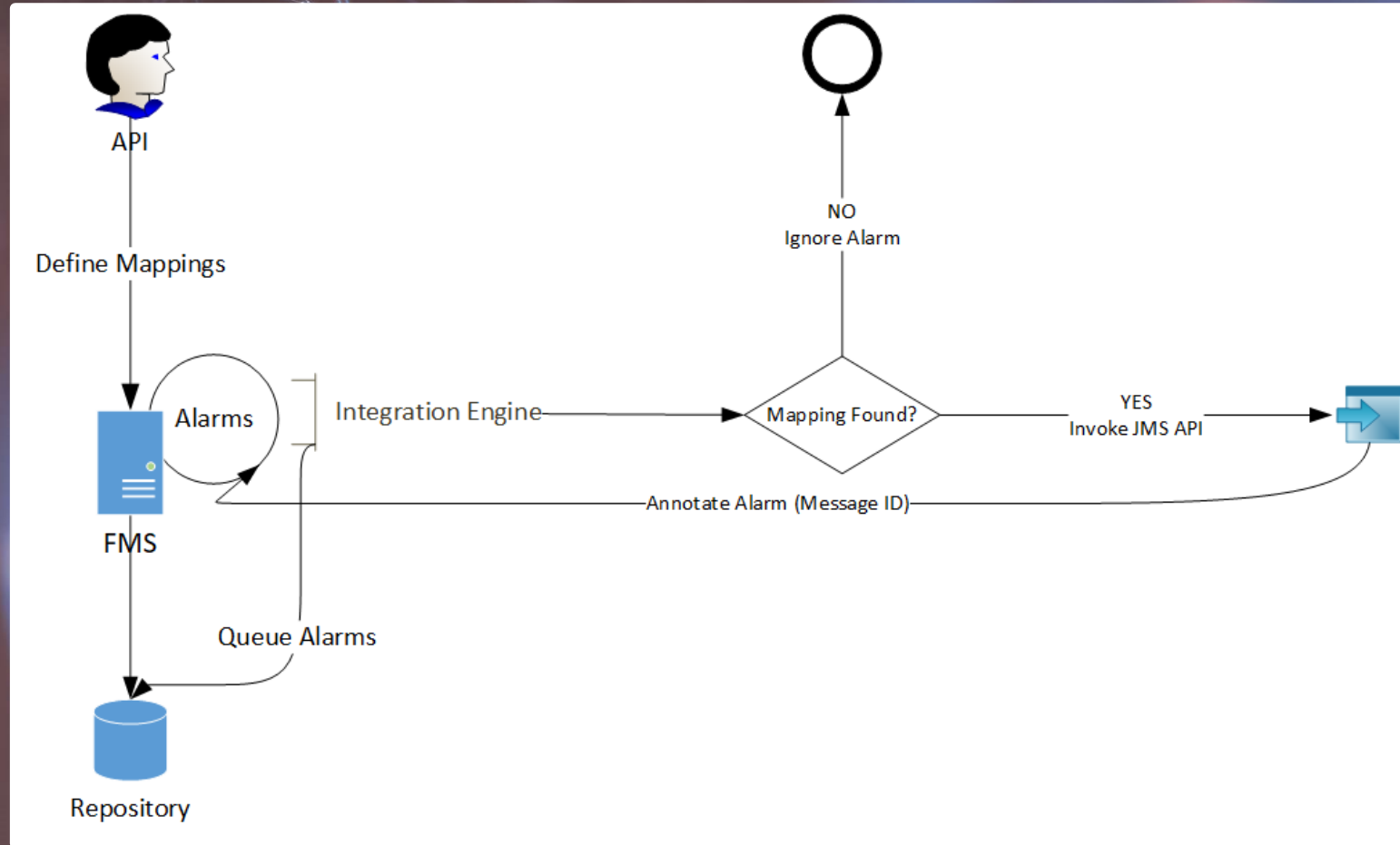
Alarm Flood Prevention Auto
Acknowledge Alarms

Alarm Transition Support

- Can be Turned ON or OFF
- Tickets update when alarm transitions from one severity to another - Higher severity only, or any transition
- Close ticket only when the last alarm in transition has been cleared
- All transition information is accessible from the Pattern Editor



ActiveMQ Integration – Flow



ActiveMQ Integration – Decision Engine

A rich UI within the solution presents the various mappings produced by the decision engine

Low Priority

No Service

High Priority

With Service

	Service	Host	Agent Type	Agent	Topology Object	Rule
0						
1		x				
2			x			
3				x		
4						x
5					x	
6		x				x
7			x			x
8				x		x
9					x	x
10	x					
11	x	x				
12	x		x			
13	x			x		
14	x					x
15	x				x	
16	x	x				x
17	x		x			x
18	x			x		x
19	x				x	x

Navigation

Expert View

Bookmarks

There are no bookmarks

Homes

Dashboards

Foglight Servers

Local FMS

Se:

Host Name

There Is No Data To Display

Integration Pack Registry Settings - Local FMS

Save

Undo

Filter

Name	Value	Scoping	
ActiveMQ Integration			
Open Ticket			
PSO.ActiveMQIntegration.OpenTicket.NoEmptyValue	false		If true any tag that returns a null will be replaced by a space. If false null values are simply not outputted.
PSO.ActiveMQIntegration.OpenTicket.TimeZone	GMT		Defines the time zone to use when outputting date and time in the Command.
PSO.ActiveMQIntegration.OpenTicket.DateTimeFormat	dd/MM/yyyy:HH:mm:ss		Defines the format for the date and time to use when outputting date and time in the Command.
Queue			
Ignore			
PSO.ActiveMQIntegration.Queue.Ignore.Normal	true		Should cleared alarms be ignored by the queuing engine? Ignored alarms are not queued thus reducing the overall load on the system and engine.
PSO.ActiveMQIntegration.Queue.Ignore.Warning	false		Should Warning alarms be ignored by the queuing engine? Ignored alarms are not queued thus reducing the overall load on the system and engine.
PSO.ActiveMQIntegration.Queue.Ignore.Critical	false		Should Critical alarms be ignored by the queuing engine? Ignored alarms are not queued thus reducing the overall load on the system and engine.
PSO.ActiveMQIntegration.Queue.Ignore.Fatal	false		Should Fatal alarms be ignored by the queuing engine? Ignored alarms are not queued thus reducing the overall load on the system and engine.
PSO.ActiveMQIntegration.Queue.Ignore.Rules			A list of comma separated rule names that the queue should ignore. Alarms generated by ignored rules are not queued thus reducing the overall load on t
Delay			
PSO.ActiveMQIntegration.Queue.Alarm.DelayPeriod.Warning	0		Time in minutes a warning alarm should be delayed in the queue before being forwarded to the target system if still active (not cleared) after the delay pe
PSO.ActiveMQIntegration.Queue.Alarm.DelayPeriod.Critical	0		Time in minutes a critical alarm should be delayed in the queue before being forwarded to the target system if still active (not cleared) after the delay peri
PSO.ActiveMQIntegration.Queue.Alarm.DelayPeriod.Fatal	0		Time in minutes a fatal alarm should be delayed in the queue before being forwarded to the target system if still active (not cleared) after the delay perio
PSO.ActiveMQIntegration.Queue.AlarmTransition.Enable	false		Should alarm transition be supported. If enabled the integration will update a ticket vs creating a new one when an alarm goes from severity to severity an
PSO.ActiveMQIntegration.Queue.Alarm.AcknowledgeUponSuccess	false		Should the alarm be acknowledged when the alarm has been successfully processed.
PSO.ActiveMQIntegration.Queue.Alarm.EnforceServiceFilter	false		When an alarm is being processed enforce the filters applied to the service. If true a service is not considered to be a hit (mapping wise) if the alarm is ex
PSO.ActiveMQIntegration.Queue.PausePeriod	0		Time in minutes no alarms should be forwarded to the target system. This is useful when the target system is unavailable due to maintenance in which ca
Export			
PSO.ActiveMQIntegration.Export.Queue			The queue to send the data to.
PSO.ActiveMQIntegration.Export.OutputMarkup			The output pattern to produce the XML sent to the Queue.

ActiveMQ Integration – Changing Settings

LightSpeed PM – Silver + Quest Partner

ActiveMQ Integration — Connection Pool

ActiveMQ Integration Connection Settings

Protocol	<input type="text" value="TCP"/>
Host Name:	<input type="text"/>
Port:	<input type="text" value="61616"/>
Username:	<input type="text"/>
Password:	<input type="text"/>
Max Connections:	<input type="text" value="20"/>

ActiveMQ Integration – Customizable XML Message

ActiveMQ Integration Markup

Queue Output Markup Elements

Add Insert Edit by Element Save Undo Test

Pattern Element

Remember to click Apply if you manually edit the pattern.
Spaces are automatically trimmed, please use Edit Complete to insert spaces and have them preserved.

```
<?xml version="1.0" encoding="UTF-8"?>
<Alarm>
  <Timestamp>@PROCESSED_TIME</Timestamp>
  <Record name="@RECORD_ID">
    <SimpleValue name="Short_Description">@RULE_NAME</SimpleValue>
    <SimpleValue name="Event_Message">@ALARM_MESSAGE</SimpleValue>
    <SimpleValue name="Event_Severity">@ALARM_SEVERITY_NAME_NORMAL</SimpleValue>
    <SimpleValue name="sourceID">@HOSTNAME</SimpleValue>
    <SimpleValue name="topoID">@TOP_OBJECT_UID</SimpleValue>
  </Record>
</Alarm>
```

Apply

TAGS

Tag	Caption
AGENT_NAME	Agent Name
AGENT_TYPE	Agent Type
AGENT_UID	Agent UID
ALARM_ACKNOWLEDGED_BY	Alarm Acknowledged By
ALARM_ACKNOWLEDGED_TIME	Alarm Acknowledged Time
ALARM_CLEARED_BY	Alarm Cleared By
ALARM_CLEARED_TIME	Alarm Cleared Time
ALARM_CREATED_TIME	Alarm Created Time
ALARM_ID	Alarm ID
ALARM_IS_ACKNOWLEDGED	Is Alarm Acknowledged
ALARM_IS_CLEARED	Is Alarm Cleared
ALARM_LINK	Alarm Link
ALARM_MESSAGE	Alarm Message
ALARM_MESSAGE_CLEAN	Alarm Message Clean
ALARM_SEVERITY	Alarm Severity
ALARM_SEVERITY_NAME	Alarm Severity Name
ALARM_SEVERITY_NAME_NORMAL	Alarm Severity Name with support for Normal
ALARM_SEVERITY_NORMAL	Alarm Severity with support for Normal

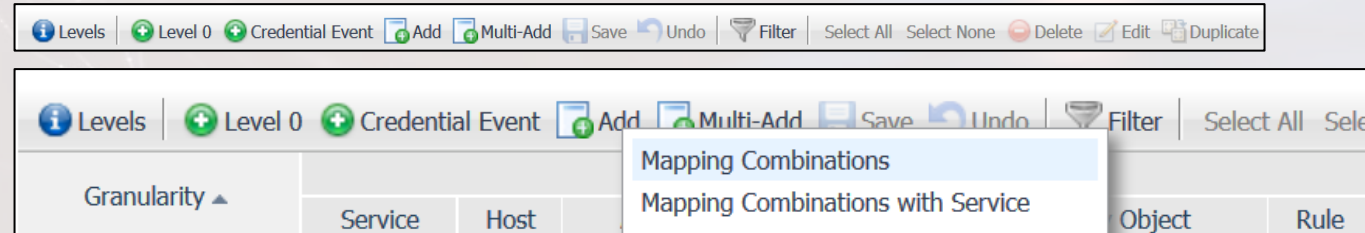
OPERATORS

Operator	
?[]	If tag has a value.
[]	If tag does not have a value.
?[]:[]	If tag has a value else.
^{}{}	Replace string with another.
=()	Equality
=()?[]:[]	If equal else
![[]]	Groovy Script
^U	Uppercase
^L	Lowercase
^T	Trim
^N	New Line Output
^R	Return

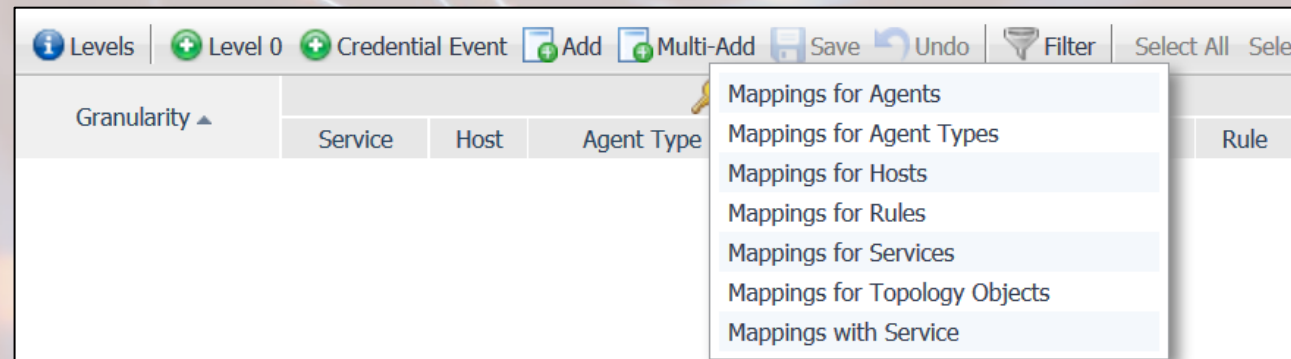


ActiveMQ Integration – Mappings Editor

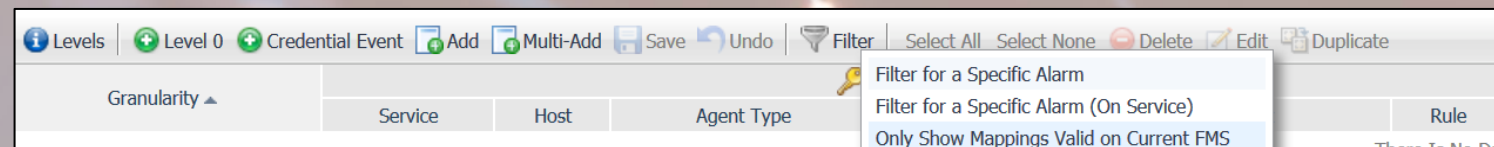
Combinations

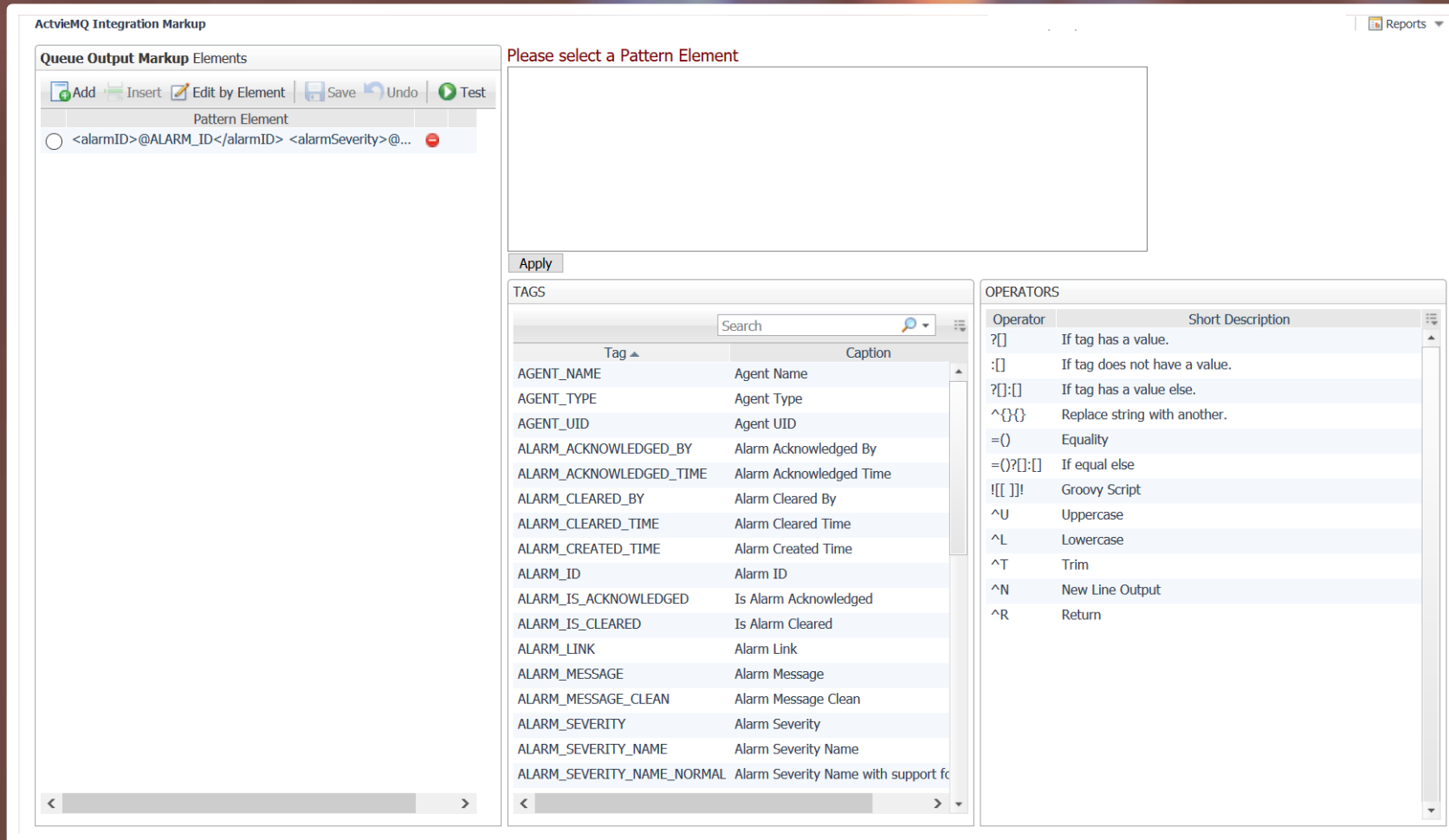


Multiple Mappings



Filtering





ActiveMQ Integration — Pattern Editor

ActiveMQ Integration (Alarm Export)

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

