The gateways supports JMS 1.1. You'll need to have a JMS 1.1 compliant broker and corresponding client libraries.

For example, you could use ActiveMQ 5.17.6 (JMS 2.0 was added in 5.18.x, and this could cause problems).

I find it easiest to use the bundled JAR (e.g. activemq-all-5.17.6.jar) to install the client on the gateway. That way, you don't have to worry about dependencies.

Install this client JAR to your gateway per this documentation:

```
[root@gw ext]# pwd
/opt/SecureSpan/Gateway/runtime/lib/ext
[root@gw ext]# ll
total 10536
drwxr-xr-x 2 layer7 layer7     4096 Dec 11 14:33 ./
drwxr-xr-x 4 layer7 layer7    36864 Oct 16 10:59 ../
-rw-r-xr-x 1 layer7 layer7 10716715 Dec 11 14:32 activemq-all-5.17.6.jar*
-r--r--r-- 1 layer7 layer7    25998 Aug  4 21:51 jms-1.1.jar
[root@gw ext]#
```

Then create a JMS destination per this documentation. For example:
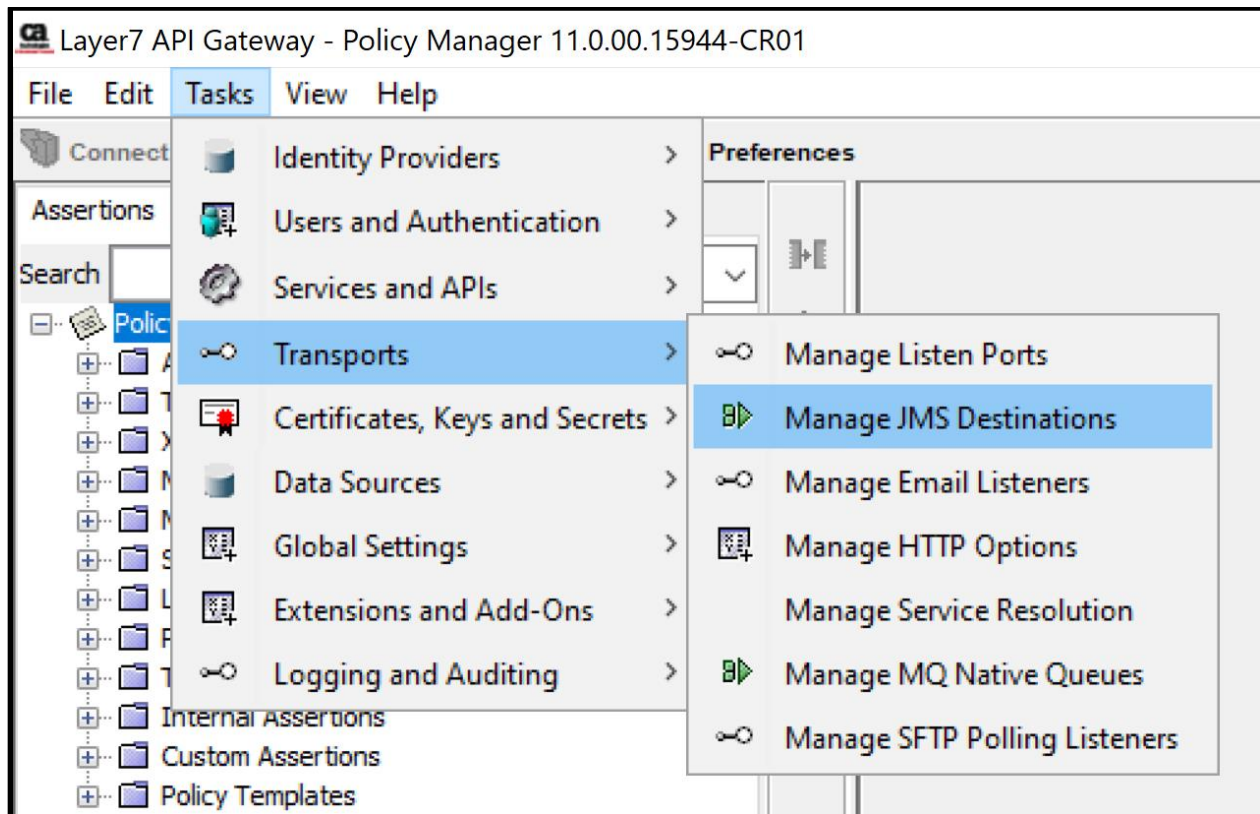
JMS Destination Properties

Basics | JNDI | Destination | Inbound Options | Outbound Options

Name: audits

Direction:
- (•) Outbound - Gateway can route messages to the Destination
  - [ ] This destination is a template
- ( ) Inbound - Gateway will drain messages from the Destination

Provider Type:

Generic JMS

Reset

Test Settings   Save   Cancel

JMS Destination Properties   ✕

Basics | JNDI | Destination | Inbound Options | Outbound Options

Initial Context Factory class name:

org.apache.activemq.jndi.ActiveMQInitialContextFactory

JNDI URL:

tcp://192.168.47.250:61616

☐ Credentials are required to connect to JNDI

User Name:

Password: ☐ Show Password

Additional Properties

Name	Value

Add
Edit
Remove

Test Settings   Save   Cancel

JMS Destination Properties

Basics | JNDI | **Destination** | Inbound Options | Outbound Options

Destination Type: Queue ▾

Connection Factory Name: ConnectionFactory

Destination Name: dynamicQueues/audits

☐ Credentials are required to connect to this Destination

User Name:

Password: ☐ Show Password

Test Settings   Save   Cancel

JMS Destination Properties   ✕

| Basics | JNDI | Destination | Inbound Options | Outbound Options |

Outbound Reply Behavior

◯ Always use temporary queue

◉ No replies (one-way)

◯ Wait for Reply on specified queue: [   ]

    Request/Response Correlation

    ◉ Generate New CorrelationID for Request

    ◯ Expect Receiver to copy Request MessageID to Response CorrelationID

Outbound Message Format

◉ Automatic

◯ BytesMessage

◯ TextMessage

Pooling Settings

◉ Session Pooling   ◯ Connection Pooling   ☐ Override System Defaults

Session Pool Size: [8 ▲▼]
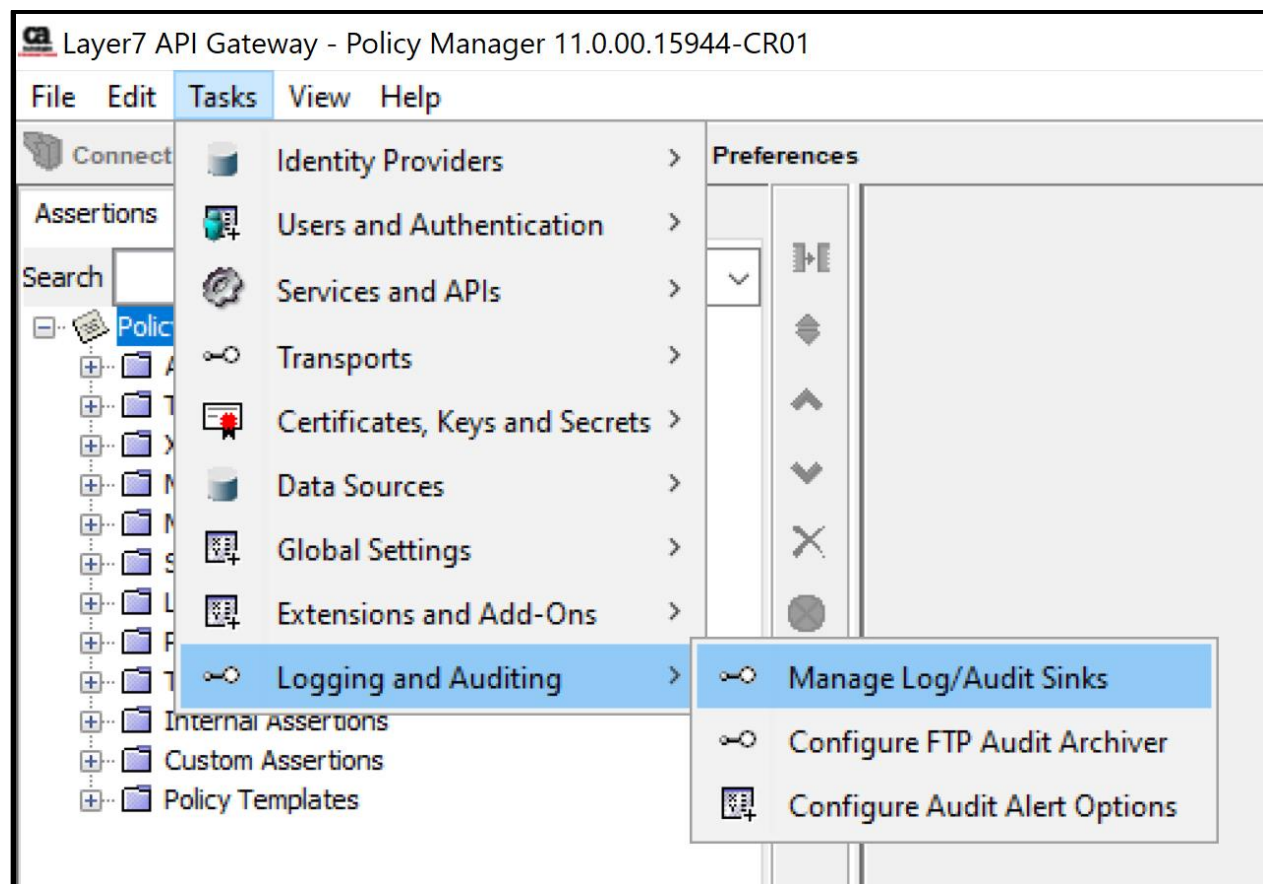
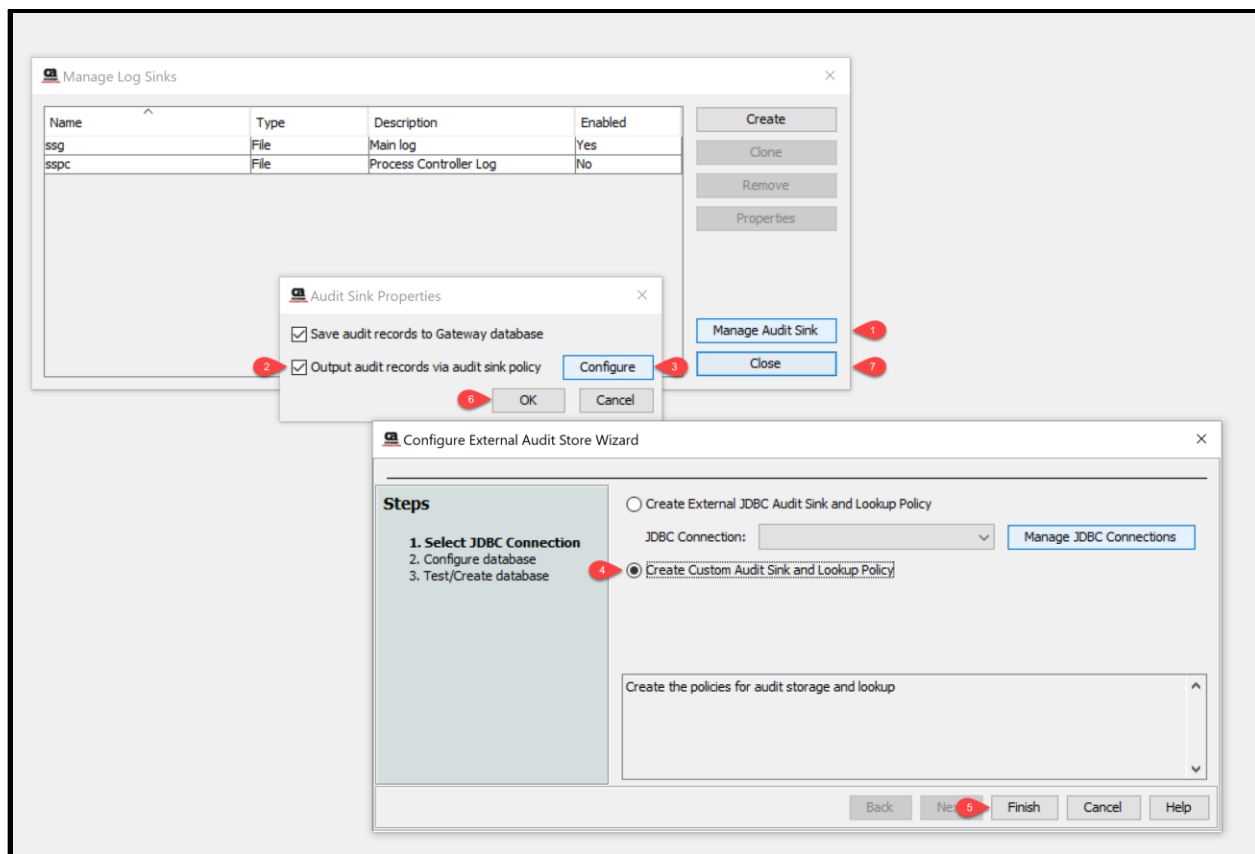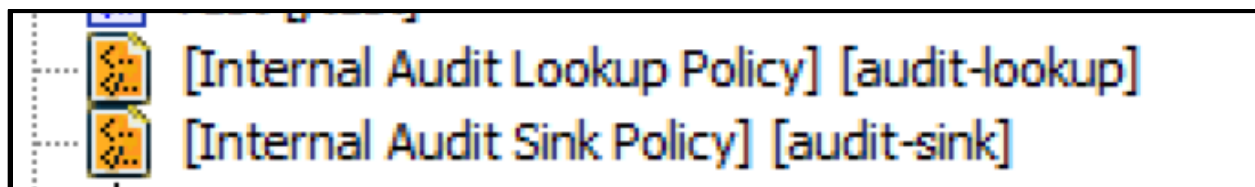Max Session Idle: [8 ▲▼]

Max Wait (ms): [5000   ]

| Test Settings | | Save | Cancel |

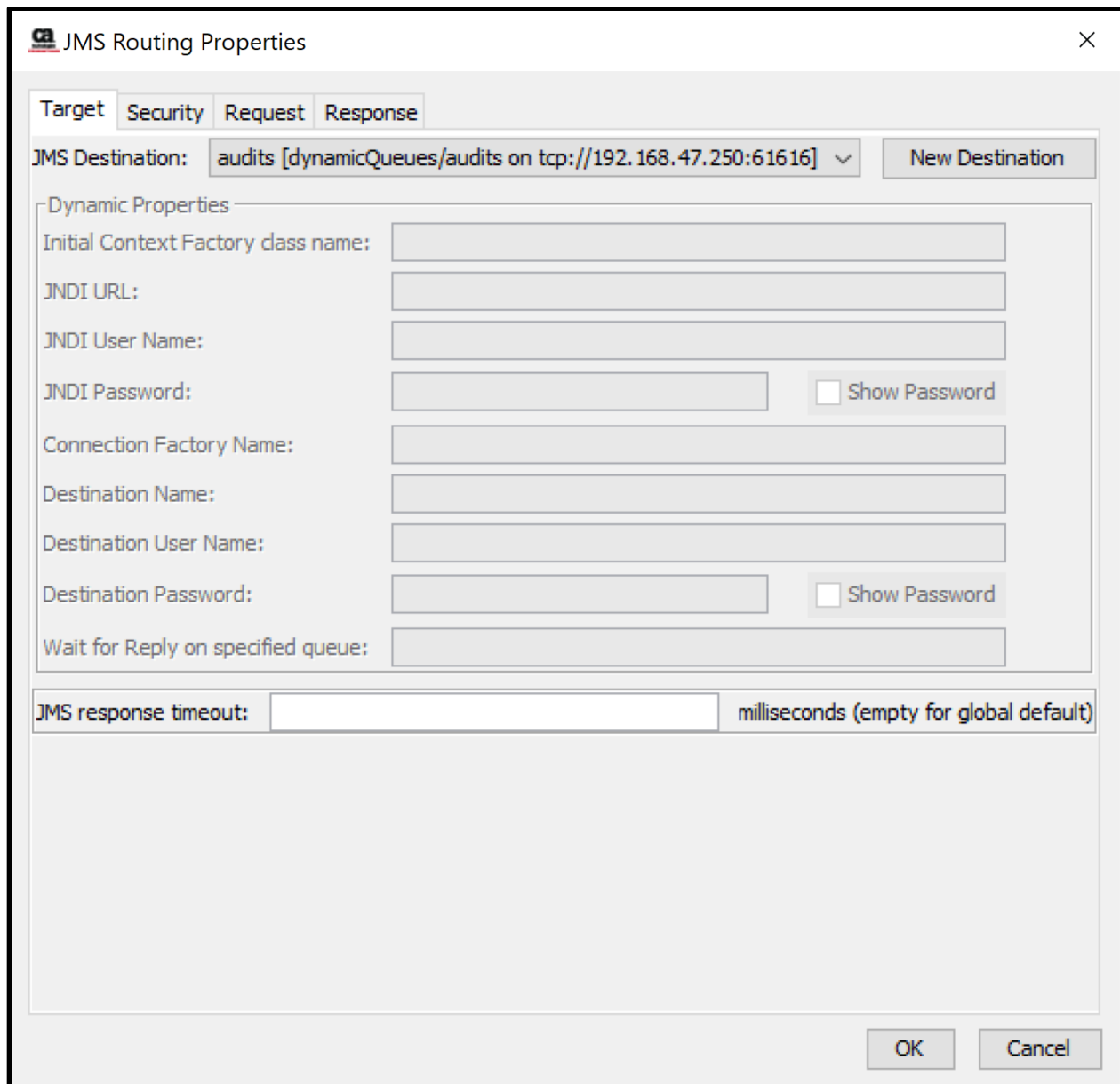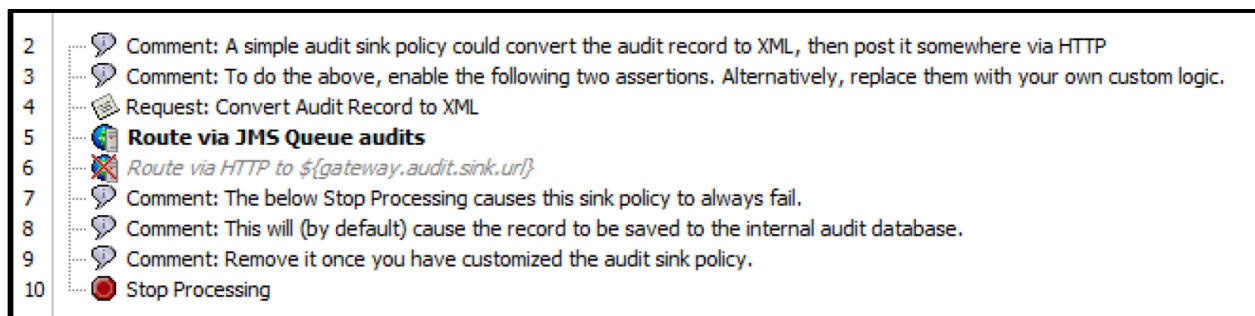Then configure your audit sync policy [per this documentation](#):

This will leave you with two polices like so:

[Internal Audit Lookup Policy] [audit-lookup]
[Internal Audit Sink Policy] [audit-sink]

In the default audit sink policy, uncomment line #4, and add a *Route via JMS Destination* assertion on line #5:

2	Comment: A simple audit sink policy could convert the audit record to XML, then post it somewhere via HTTP
3	Comment: To do the above, enable the following two assertions. Alternatively, replace them with your own custom logic.
4	Request: Convert Audit Record to XML
5	**Route via JMS Queue audits**
6	Route via HTTP to ${gateway.audit.sink.url}
7	Comment: The below Stop Processing causes this sink policy to always fail.
8	Comment: This will (by default) cause the record to be saved to the internal audit database.
9	Comment: Remove it once you have customized the audit sink policy.
10	Stop Processing

Configure your route assertion like so:

JMS Routing Properties

Target | Security | **Request** | Response

Request message properties

Message Source: | Request | ⌄

☐ Use request settings:

Delivery Mode: | Persistent | ⌄

Priority: | 4

Tme To Live: | 0 | milliseconds

⦿ Pass through all JMS message properties

◯ Customize JMS message properties to forward:

Name	Value

Add | Remove | Edit

OK | Cancel

And then once you start generating audit activity, you should start seeing audit records in your queue:

ActiveMQ™

Home | Queues | Topics | Subscribers | Connections | Network | Scheduled | Send

Queue Name [_____] [Create]   Queue Name Filter [_____] [Filter]

Queues:

Name	Number Of Pending Messages	Number Of Consumers	Messages Enqueued	Messages Dequeued	Views	Operations
audits	26	0	26	0	Browse Active Consumers Active Producers atom rss	Send To Purge Delete Pause

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ActiveMQ™

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Browse audits

Message ID ↑	Correlation ID	Persistence	Priority	Redelivered	Reply To	Timestamp	Type	Operations
ID:gw.11.0.a-23069-1702325482664-7:1:1:1:1		Non Persistent	0	false		2023-12-11 20:34:04:861 UTC		Delete
ID:gw.11.0.a-23069-1702325482664-7:1:1:1:2		Non Persistent	0	false		2023-12-11 20:34:04:875 UTC		Delete
ID:gw.11.0.a-23069-1702325482664-7:1:1:1:3		Non Persistent	0	false		2023-12-11 20:34:04:895 UTC		Delete
ID:gw.11.0.a-23069-1702325482664-7:1:1:1:4		Non Persistent	0	false		2023-12-11 20:34:04:913 UTC		Delete
ID:gw.11.0.a-23069-1702325482664-7:1:1:1:5		Non Persistent	0	false		2023-12-11 20:34:04:926 UTC		Delete
ID:gw.11.0.a-23069-1702325482664-7:1:1:1:6		Non Persistent	0	false		2023-12-11 20:34:05:236 UTC		Delete
ID:gw.11.0.a-23069-1702325482664-7:1:1:1:7		Non Persistent	0	false		2023-12-11 20:34:15:249 UTC		Delete
ID:gw.11.0.a-23069-1702325482664-7:1:1:1:8		Non Persistent	0	false		2023-12-11 20:34:15:272 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:1		Non Persistent	0	false		2023-12-11 20:34:48:589 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:10		Non Persistent	0	false		2023-12-11 20:34:48:893 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:11		Non Persistent	0	false		2023-12-11 20:34:48:911 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:12		Non Persistent	0	false		2023-12-11 20:34:48:926 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:13		Non Persistent	0	false		2023-12-11 20:34:48:935 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:14		Non Persistent	0	false		2023-12-11 20:34:48:943 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:15		Non Persistent	0	false		2023-12-11 20:37:32:520 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:16		Non Persistent	0	false		2023-12-11 20:37:38:817 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:17		Non Persistent	0	false		2023-12-11 20:37:39:028 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:2		Non Persistent	0	false		2023-12-11 20:34:48:604 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:3		Non Persistent	0	false		2023-12-11 20:34:48:606 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:4		Non Persistent	0	false		2023-12-11 20:34:48:608 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:5		Non Persistent	0	false		2023-12-11 20:34:48:610 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:6		Non Persistent	0	false		2023-12-11 20:34:48:612 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:7		Non Persistent	0	false		2023-12-11 20:34:48:835 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:8		Non Persistent	0	false		2023-12-11 20:34:48:860 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-1:1:1:1:9		Non Persistent	0	false		2023-12-11 20:34:48:875 UTC		Delete
ID:gw.11.0.a-4089-1702326888411-3:1:1:1:1		Non Persistent	0	false		2023-12-11 20:44:30:024 UTC		Delete

View Consumers

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Headers		Properties
Message ID	ID:gw.11.0.a-23069-1702325482664-7:1:1:1:1	
Destination	queue://audits	
Correlation ID		
Group		
Sequence	0	
Expiration	0	
Persistence	Non Persistent	
Priority	0	
Redelivered	false	
Reply To		
Timestamp	2023-12-11 20:34:04:861 UTC	
Type		

Message Actions

Delete

Copy

Move   -- Please select -- ▾

Message Details

<audit action="Stopping" componentId="1200000" level="500" levelStr="FINE" name="Server" sequenceNumber="392" type="system" xmlns="http://l7tech.com/audit/rec"><nodeId>32263ad99af041bda25101cfb