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Integrated Capture Points Guide

ActiveMQ—SSL for JMS CP

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This page provides an example of how to enable SSL with the ActiveMQ provider.

Enabling SSL with the ActiveMQ provider

Important

ActiveMQ client jar of version 5.14.2 or later is needed.

1. Prepare the TLS certificates, as described in the [Genesys Security Deployment Guide](#).
2. Copy cert.jks and truststore.jks into the following folder: <Apache ActiveMQ installation directory>/conf.
3. Open the file **activemq.xml** in the folder <Apache ActiveMQ installation directory>/conf and add the following lines:

```
<transportConnectors>

...

<transportConnectorname="ssl"uri="ssl://0.0.0.0:<ssl_port>?trace=true&edClient
Auth=true"/>

...

</transportConnectors>

<sslContext>
  <sslContextkeyStore="file:${activemq.base}/conf/cert.jks"

  keyStorePassword="YourKeyStorePassword"

  trustStore="file:${activemq.base}/conf/truststore.jks"

  trustStorePassword="YourTrustStorePassword"/>

</sslContext>
```

4. Restart Active MQ to let it read new configuration.
5. In the Capture Point application options, in the **settings** section, edit the following options:
 - jms-provider-url=ssl://<activemq_host>:<ssl_port>
 - jms-initial-context-factory=org.apache.activemq.jndi.ActiveMQSslInitialContextFactory
6. In the Capture Point application, create a section **jms-additional-context-attributes** with following options:
 - connection.ConnectionFactory.keyStore=<path to local keystore file>
 - connection.ConnectionFactory.keyStorePassword=<local keystore password>

- `connection.ConnectionFactory.keyStoreType=jks`
 - `connection.ConnectionFactory.trustStore=<path to local truststore file>`
 - `connection.ConnectionFactory.trustStorePassword=<local keystore password>`
 - `connection.ConnectionFactory.trustStoreType=jks`
7. To debug SSL, add the following option into the Interaction Server Application options, section **java-options**:
- Djavax.net.debug=ssl:handshake,data,trustmanager,record