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Performance Management Advisors Deployment Guide

Customizing the Tomcat HTTPS Connector

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The Tomcat installation includes, by default, a self-signed certificate in the Java keystore file configured for the HTTPS connector. As a result, and without any additional configuration, you can use the HTTPS connector to accept SSL-encrypted HTTP requests from users directly and/or through Apache, as described in the documentation detailing [how to configure Apache to use HTTPS when routing requests](#) to the Advisors Tomcat server.

Although it should not be necessary to change this configuration, you might want to change it if you are planning to either use a different port to accept HTTPS connections, or to use a different certificate, such as one signed by a third-party certificate authority or an internal certificate authority.

Procedure: Steps to Replace the Default Keystore for Tomcat HTTPS Connector

Steps

1. Prepare a certificate keystore using the instructions from the [Apache Tomcat 8.0 documentation](#).
2. Edit the HTTPS connector configuration. The connector configuration is found in the installation `apache-tomcat-<version>/conf/` directory `server.xml` file:

```
<Connector port="${HTTPSPort}" protocol="org.apache.coyote.http11.Http11NioProtocol"
           connectionTimeout="${WebConnectorConnTimeout}"
           maxThreads="${MaxThreadPoolSize}"
           minSpareThreads="${MinThreadPoolSize}" SSLEnabled="true" scheme="https"
           secure="true"
           clientAuth="false" sslProtocol="TLS"
           keystoreFile="${informiam.conf.dir}/tomcat-cert" keystorePass="secret"/>
```
3. Set the `keystoreFile` attribute to the path of your keystore file (generated in Step 1).
4. Set the `keystorePass` attribute to the password used in your keystore file.
5. After the changes are complete, restart the Advisors Platform server.
6. You can test the HTTPS connection by accessing `https://<Tomcat Host>:<HTTPS Port>`. The `${HTTPSPort}` property value used in the connector configuration is defined in the installation `apache-tomcat-<version>/conf/` directory `catalina.properties` file and defaults to 8443.