



IBM Administration Runtime
Expert for i

Enable SSL Connection

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IBM Administration Runtime Expert for i (ARE) supports the use of SSL to encrypt data exchanged between central system and remote systems.

Setting up your central system and server to use SSL:

1. First you need to create a certificate on the IBM i. Use the following link for reference on how to create the certificate.

https://www.ibm.com/support/knowledgecenter/en/ssw_ibm_i_73/rzahh/ssltrad.htm

2. Import the certificate on the central system which ARE is running on.

You must import the certificate into a specific key store based on the level of Java being used. Details to determine the specific key store are as follows:

The JDK which ARE uses for is configured in the file
/QIBM/UserData/ARE/ibmare/wlp/usr/servers/ibmare/server.env

For example, if the configured JDK is
JAVA_HOME=/QOpenSys/QIBM/ProdData/JavaVM/jdk80/32bit

The key store should be
/QOpenSys/QIBM/ProdData/JavaVM/jdk80/32bit/jre/lib/security/cacerts

You could import the certificate using the following command. You should specify the parameter **-alias** and **-file** with custom value.

```
keytool -importcert -keystore /QOpenSys/QIBM/ProdData/JavaVM/jdk80/32bit/jre/lib/security/cacerts -storepass changeit -keypass changeit -alias {alias_name} -file {certificate_path}
```

3. Enable SSL on ARE.

The following property in needs to be added to the ARE jvm options file:
/QIBM/UserData/ARE/ibmare/wlp/usr/servers/ibmare/jvm.options

Add the following property:

```
-Dcom.ibm.are.secureConnection=true
```

After completing the above three steps, you will need to restart the IBMARE server activate these changes.

```
STRTCPSVR SERVER(*HTTP) HTTPSVR(IBMARE)
ENDTCPSVR SERVER(*HTTP) HTTPSVR(IBMARE)
```