

Java Keytool Commands for Creating and Importing

These commands allow you to generate a new Java Keytool keystore file, create a CSR, and import certificates. Any root or intermediate certificates will need to be imported before importing the primary certificate for your domain.

- **Generate a Java keystore and key pair**

```
keytool -genkey -alias mydomain -keyalg RSA -keystore keystore.jks -keysize 2048
```

- **Generate a certificate signing request (CSR) for an existing Java keystore**

```
keytool -certreq -alias mydomain -keystore keystore.jks -file mydomain.csr
```

- **Import a root or intermediate CA certificate to an existing Java keystore**

```
keytool -import -trustcacerts -alias root -file Thawte.crt -keystore keystore.jks
```

- **Import a signed primary certificate to an existing Java keystore**

```
keytool -import -trustcacerts -alias mydomain -file mydomain.crt -keystore keystore.jks
```

- **Generate a keystore and self-signed certificate** (see [How to Create a Self Signed Certificate using Java Keytool](#) for more info)

```
keytool -genkey -keyalg RSA -alias selfsigned -keystore keystore.jks -storepass password -validity 360 -keysize 2048
```

Java Keytool Commands for Checking

If you need to check the information within a certificate, or Java keystore, use these commands.

- **Check a stand-alone certificate**

```
keytool -printcert -v -file mydomain.crt
```

- **Check which certificates are in a Java keystore**

```
keytool -list -v -keystore keystore.jks
```

- **Check a particular keystore entry using an alias**

```
keytool -list -v -keystore keystore.jks -alias mydomain
```

Other Java Keytool Commands

- **Delete a certificate from a Java Keytool keystore**

```
keytool -delete -alias mydomain -keystore keystore.jks
```

- **Change a Java keystore password**

```
keytool -storepasswd -new new_storepass -keystore keystore.jks
```

- **Export a certificate from a keystore**

```
keytool -export -alias mydomain -file mydomain.crt -keystore keystore.jks
```

- **List Trusted CA Certs**

```
keytool -list -v -keystore $JAVA_HOME/jre/lib/security/cacerts
```

- **Import New CA into Trusted Certs**

```
keytool -import -trustcacerts -file /path/to/ca/ca.pem -alias CA_ALIAS -keystore $JAVA_HOME/jre/lib/security/cacerts
```

If you need to move a certificate from Java Keytool to Apache or another type of system, check out these instructions for [converting a Java Keytool keystore using OpenSSL](#). For more information, check out the [Java Keytool documentation](#) or check out our [Tomcat SSL Installation Instructions](#) which use Java Keytool.