



## Enabling SSL Authentication in SynapSense

<b>Applies to:</b>	SynapSense Environmental Monitoring
<b>Objective:</b>	How to configure the SSL in WebConsole by generating a keystore.
<b>Pre-Requisites:</b>	None

### Description

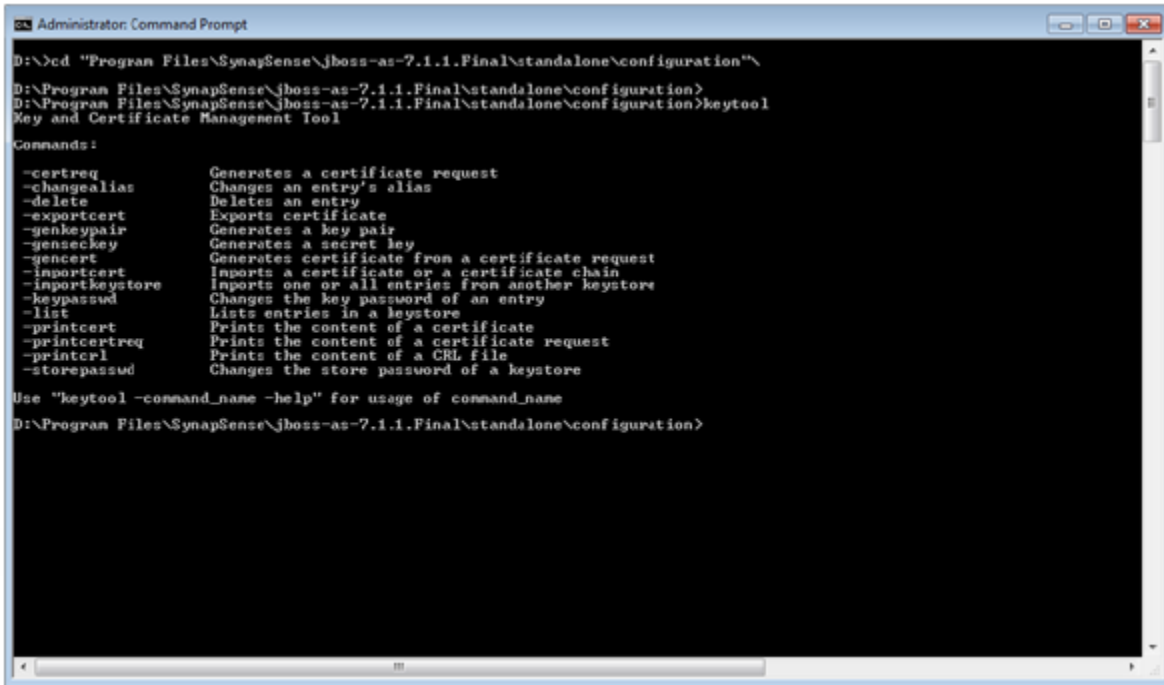
By default, the SynapSense<sup>TM</sup> Web Console server is configured only to offer basic HTTP authentication (un-encrypted). The following steps will allow administrator to enable SSL authentication on SynapSense<sup>TM</sup> Web Console server for better communication integrity and confidentiality on unsecured networks.

### Performing the Procedure

Creating a keystore is only necessary if a third-party server certificate is not going to be used.

1. Open a command line (DOS) on the server where SynapSense is installed. Change the directory to:

**D:\Program Files\SynapSense\jboss-as-7.1.1.Final\standalone\configuration**

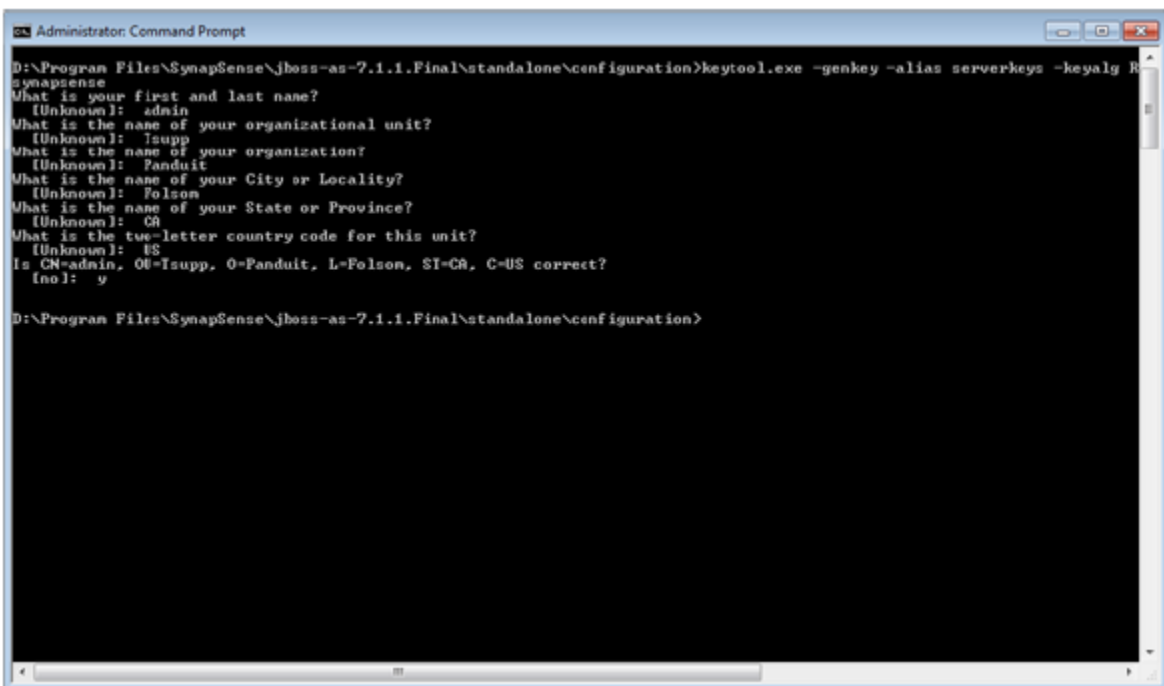


2. Execute this command:

```
"%JAVA_HOME%\bin\keytool" -genkey -alias serverkeys -keyalg RSA -keystore https.keystore -storepass synapsense -keypass synapsense
```

Enter the appropriate values for each of the queries and select **Yes** to accept the values. The **https.keystore** file is saved in the current directory:

**D:\Program Files\SynapseSense\jboss-as-7.1.1.Final\standalone\configuration**



3. Be sure to remember the storepass and keypass values that were used—**synapsense** and **synapsense**—are only examples. The two values must be the same.

The following steps outline the process of configuring the SynapSoft web console to use an encrypted link (SSL). You must have a certificate or keystore file on the server before performing these steps.

1. Log in to the SynapSoft web console as an administrative user and navigate to the configuration option on the admin menu.
2. Select the **Security** tab.
3. Select either **Authentication** only or **All** as the Encryption mode.
4. Enter the Https port. This is commonly 443 (or 8443) but can be any unused port on the server.
5. Click the **Browse** button and select the keystore file to be used for the encryption. Then click **Upload** and **Done**.
6. Enter the keystore password and click **OK**.
7. You will be logged out automatically and redirected to the new URL for accessing the web console. Note the URL and distribute to all users.

**Note:** If port 443 is used, then the URL will be [https://server\\_name/synapsoft](https://server_name/synapsoft)

**Note:** If port 8443 is used, then the URL will be [https://server\\_name:8443/synapsoft](https://server_name:8443/synapsoft)