

ESET Tech Center

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ESET Security Management Center Web Console does not load (7.x)

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Issue

- ESET Security Management Center Web Console (ESMC Web Console) does not load
- You receive the message "Cannot access page"
- You need to reinstall Apache Tomcat 7

Solution


If ESET Security Management Center Web Console (ESMC Web Console) will not start, or if the login screen appears to load constantly without opening, follow the instructions below. Start with part I and only continue to the next part if the issue is not resolved.

I. Restart the services for ESET Security Management Center Server and Apache Tomcat

1. Try using a different internet browser to access ESET Security Management Center Web Console. If you are using Internet Explorer, make sure you have the latest version.
2. [Restart the ESMC Server service.](#)
3. [Restart the Apache Tomcat service.](#)
4. Attempt to [open the ESET Security Management Center Web Console \(7.x\)](#).

If the ESMC Web Console login screen does not load successfully, continue to part II.

II. Check for port conflicts

1. Press the  Windows key + **R**, type **cmd** into the field and click **OK** to open a command prompt. Type the following command:

```
netstat -aobn
```



Figure 2-1

1. Verify that Tomcat7.exe is listening on port 443 or 8443. [Change the port used by the ESET Security Management Center Web Console \(7.x\)](#)
2. Attempt to [open the ESET Security Management Center Web Console \(7.x\)](#).

If the ESMC Web Console login screen does not load successfully, continue to part III.

III. Uninstall and Reinstall Apache Tomcat 7 and generate a new keystore

To uninstall Apache Tomcat:


1. Click **Start**  → **Control Panel** → **Uninstall a program**.
2. Select **Apache Tomcat 7.0 Tomcat7 (remove only)** and click **Uninstall/Change**.



Figure 3-1

To reinstall Apache Tomcat:

1. Reinstall Apache Tomcat 7 by navigating to the original location to which you downloaded the ESET Security Management Center Setup package (in this example, C:\Users\Administrator\Desktop\Setup_x64).
2. Open the **installers** folder and double-click **apache-tomcat-7.0.xx** (exe).



Figure 3-2

1. Follow the instructions in the setup wizard to install Apache Tomcat.
 1. In the **Choose Components** screen, choose **Normal** or **Minimum**.
 2. In the **Configuration** options screen, click **Next**.
 3. Navigate to the Java Runtime (JRE) installer saved on your system (you must use Java 8.0 or later) and click **Next**.
 4. Choose your desired installation folder and click **Install**.

To generate a new keystore:

Backup the keystore and server.xml

The instructions below will create new keystore and server.xml files. Alternatively, you can backup these files and replace them in the standard installation folder location. Use the following examples as reference:

keystore - (C:\Program Files (x86)\Apache Software Foundation\Tomcat 7.0\keystore)

server.xml - (C:\Program Files (x86)\Apache Software Foundation\Tomcat 7.0\conf\server.xml)

1. Navigate to the bin folder in the current Java directory (for example, C:\Program Files (x86)\Java\jre1.8.0_161\bin>) in the command line and run the following command after substituting your values for bin folder, password and certificate information. (See the note below for more information)

```
keytool.exe -genkey -alias "tomcat" -keyalg RSA -keysize 4096 -
validity 3650 -keystore "C:\Program Files (x86)\Apache Software
Foundation\Tomcat 7.0\tomcat.keystore" -storepass "yourpassword"
```

```
-keypass "yourpassword" -dname "CN=Unknown, OU=Unknown,  
O=Unknown, L=Unknown, ST=Unknown, C=Unknown"
```

Substitute your own values in the command

- Substitute the actual location of your bin folder here (for example, C:\Program Files or x86)
- Enter your password here. The password will be stored in plain text later, so entering a new password is recommended.
- Enter the certificate information:
 - CN: Common Name (identifies the fully qualified domain name(s) associated with the certificate)
 - OU: Organizational Unit
 - O: Organization (Business name)
 - L: Locality (City)
 - ST: State
 - C: Country code

2. Open the server.xml file located at the following path:

```
C:\Program Files(x86)\Apache Software Foundation\Tomcat 7.0\conf\server.xml
```

3. Search or scroll until you find **<!-- A "Connector" represents an endpoint by which requests are received...** and edit the area for connector ports by pasting the following code in server.xml:

```
<Connector port="80"  
protocol="org.apache.coyote.http11.Http11Protocol"  
connectionTimeout="20000" redirectPort="443" />  
<Connector port="443" maxHttpHeaderSize="8192" maxThreads="150"  
minSpareThreads="25" maxSpareThreads="75" enableLookups="false"  
disableUploadTimeout="true" acceptCount="100" scheme="https"  
secure="true" SSLEnabled="true" clientAuth="false"  
sslProtocol="TLS"
```

```
keyAlias="tomcat" keystoreFile="tomcat.keystore"  
keystorePass="YOURPASSWORD"/>
```

Important!

- Change port 443 to 8443 if 443 is already in use.
- In the field **keystorePass=YOURPASSWORD**, type the keystore password that was used during keystore generation.



Figure 3-3

Click the image to view larger in new window

1. At the following location, create a new folder and name it **era**:

C:\Program Files(x86)\Apache Software Foundation\Tomcat 7.0\webapps\

2. Change the file name **era.war** (from the era installer folder) to **era.zip**.
3. Extract the era.zip files to the following location:

C:\Program Files(x86)\Apache Software Foundation\Tomcat 7.0\webapps\era

4. [Start the Apache Tomcat service](#).
5. Set the Apache startup type service to **Automatic**.
6. Attempt to [open the ESET Security Management Center Web Console](#).

If the ESMC Web Console login screen does not load successfully, visit the Related links below or [contact ESET technical support](#).