

IBM z/OS Connect

Quick Start Guide



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Important: On the desktop there is a file named *Basic Configuration CopyPaste.txt*. This file contains commands and other text that may be useful in this exercise. Locate that file and open it. Use the copy-and-paste function (**Ctrl-C** and **Ctrl-V**) to enter commands or text. It will save time and help avoid typo errors. As a reminder text that appears in this file will be highlighted in yellow.

General Exercise Information and Guidelines

- ✓ This exercise compresses the steps performed in exercises *Customization – Basic Configuration (1 of 2)* and *Customization Basic Security (2 of 2)*. The explanations for the steps performed in this exercise can be found in the original exercises.
- ✓ This exercise provides a shortcut so someone could go directly to the more complex subsystem exercises.
- ✓ For information regarding the use of the Personal Communication 3270 emulator, see the *Personal Communications Tips* PDF in the exercise folder.

z/OS Updates

Use these instructions to bypass the steps performed by the *IBM z/OS Connect Customization – Basic Configuration (1 of 2)* and *IBM z/OS Connect Customization – Basic Security (2 of 2)*.

- ___ 1. Edit data set **USER1.ZCEE30.CNTL**.
- ___ 2. Submit member **ZCEEGRPS** and wait for the job to complete.
- ___ 3. Submit member **ZCEERSTC** and wait for the job to complete
- ___ 4. Submit member **ZCEERACF** and wait for the job to complete.
- ___ 5. Submit member **ZCEERSVR** and wait for the job to complete
- ___ 6. Submit member **ZCEETLSS** and wait for the job to complete
- ___ 7. Submit member **ZCEETLSX** and wait for the job to complete
- ___ 8. Submit member **MYSERVER** and wait for the job to complete.
- ___ 9. Submit member **ZCEELN** and wait for the job to complete.
- ___ 10. Copy the contents of **USER1.PROCLIB** to **SYS1.PROCLIB**.
- ___ 11. Edit **server.xml** in `/var/zcee/myServer` and add the following includes after the `<server >` XML tag.

```
<include location="${shared.config.dir}/safSecurity.xml"/>
<include location="${shared.config.dir}/ipic.xml"/>
<include location="${shared.config.dir}/keyringMutual.xml"/>
<include location="${shared.config.dir}/groupAccess.xml"/>
```
- ___ 12. Start the angel process with MVS command **S BAQZANGL**
- ___ 13. Start the z/OS Connect server with MVS command **S BAQSTRT**

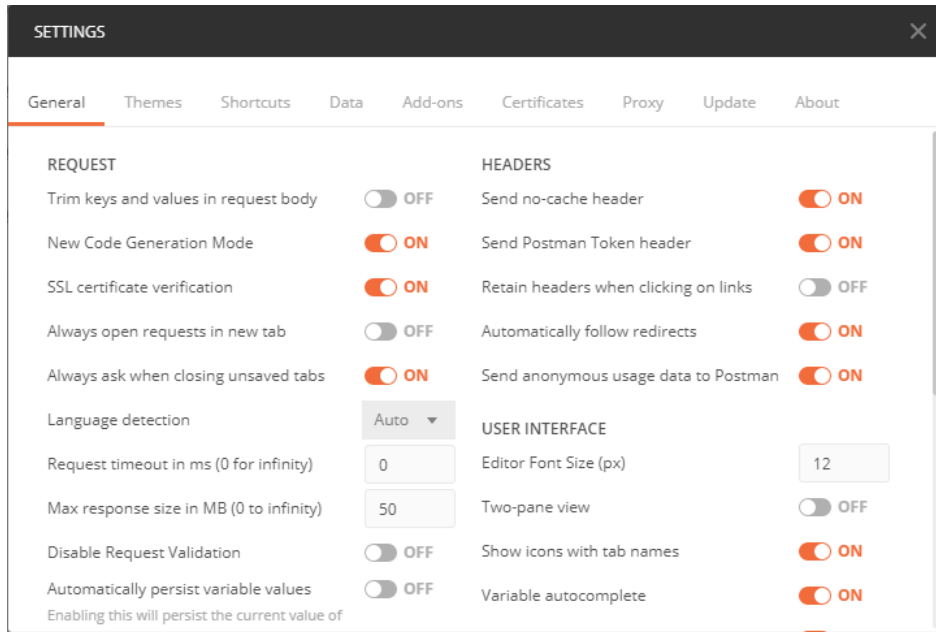
Workstation Updates

The previous instructions created and export user digital certificates. The exported certificates need to be moved to the workstation for use in Postman and cURL commands. See section *Enabling mutual authentication using TLS* in the *IBM z/OS Customization - Basic Security (2 of 2)* exercise for details on how to make these certificates available to cURL, Postman, and a Firefox browser.

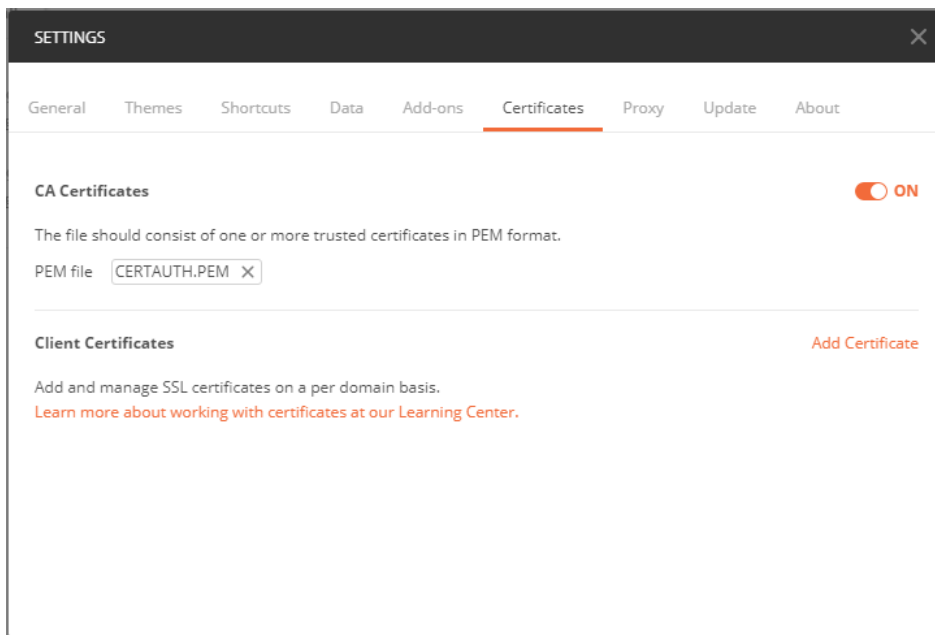
- ___ 1. On the Windows desktop, open a command prompt.
- ___ 2. Enter the command: ***cd c:\z\admin***
- ___ 3. Enter the command: ***ftp wg31.washington.ibm.com***
- ___ 4. Logon with *USER1* and the password for that ID
- ___ 5. Enter the command: ***prompt off***
- ___ 6. Enter the command: ***mget *.pem***
- ___ 7. Enter the command: ***bin*** (this will set FTP mode to binary, or 'image')
- ___ 8. Enter the command: ***mget *.p12***
- ___ 9. Enter the command: ***quit***

Using mutual authentication with Postman

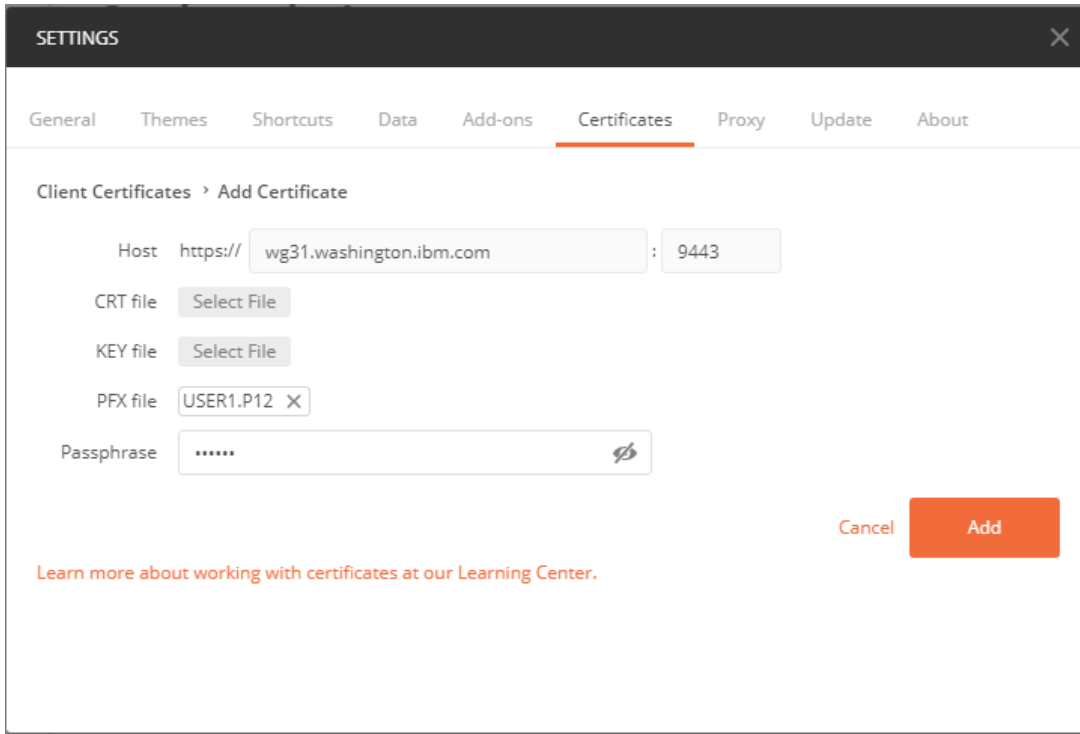
1. To test with Postman, do the following. Go into Postman and select the settings icon (the wrench on the tool bar) to open the *Settings* window.



2. In the *General* tab, turn SSL certificate verification on (see above).
3. Go to the *Certificates* tab and turn on the **On** radio button. Use the *Select File* button to add the CA certificate to be *CERTAUTH.PEM* file downloaded earlier.



4. Click the *Add Certificate* and enter ***wg31.washington.ibm.com*** and port ***9443*** for the *Host* as shown below. Use the Select File button beside PFX file to select file *USER1.P12* downloaded earlier. Note the password of “secret” is entered as the value in the *Passphrase* field.



The screenshot shows the 'SETTINGS' window with the 'Certificates' tab selected. The 'Client Certificates > Add Certificate' section is active. The 'Host' field is filled with 'https://wg31.washington.ibm.com' and the port is '9443'. The 'CRT file' and 'KEY file' fields have 'Select File' buttons. The 'PFX file' field is filled with 'USER1.P12' and has a 'Select File' button. The 'Passphrase' field is filled with 'secret' and has a 'Show/Hide' icon. There are 'Cancel' and 'Add' buttons at the bottom right. A link 'Learn more about working with certificates at our Learning Center.' is at the bottom left.