

AF1G40AC / AF1G52AC / AF10G72AC / AF40G24AC

SSL Certificates

Overview:

SSL certificates may be added and used to support HTTPS services on the Advanced Features units. The PEM file that is loaded onto the Advanced Features unit must contain the both Key and the Cert files. The file name must be similar to "key_xxxxx.pem". The PEM file must be copied to the Advanced Features unit via a TFTP Server.

Example:

key_xxxxx.pem

```
-----BEGIN PRIVATE KEY-----
cbhsdabsdahcbsacascakahscdbkndsijnbsdjkcvsbjkdcvbskjdbvskdjvbskdvbksdbcskdcbskd bskdbcfcc
ahscbahscbaksdhcbakshcbasdhcbakhbcahscbakhscbakshcbakshcbakhscashscacajscahscakhsbc
akhsbc ahscashcajshcajshcahsc&%VBGFFGBjxncsjbdb#$$%^ujdsfbibfwbwhfbwhbshbvskdhcvbd
-----END PRIVATE KEY-----
-----BEGIN CERTIFICATE-----
cbhsdabsdahcbsacascakahscdbkndsijnbsdjkcvsbjkdcvbskjdbvskdjvbskdvbksdbcskdcbskd bskdbcfcc
ahscbahscbaksdhcbakshcbasdhcbakhbcahscbakhscbakshcbakshcbakhscashscacajscahscakhsbc
akhsbc ahscashcajshcajshcahsc&%VBGFFGBjxncsjbdb#$$%^ujdsfbibfwbwhfbwhbshbvskdhcvbd
-----END CERTIFICATE-----
```

Add SSL Certificate to an Advanced Features unit and enable the HTTPS service.

1. Copy the PEM file to the TFTP Server.
2. Connect a Serial cable from a COM port on the laptop or PC to the Console Interface on the Advanced Features unit.
3. Launch Putty and configure the connection options as follows:

| | |
|--------------|----------|
| Speed | 115200 |
| Data Bits | 8 |
| Stop Bits | 1 |
| Parity | None |
| Flow Control | XON/XOFF |

4. Press the enter key.

5. Enter enable.

```
Switch> enable
Switch#
```

7. Enter the following command to transfer the PEM file from the TFTP Server to the Advanced Features unit.

```
Switch# copy mgmt-if tftp://xxx.xxx.xxx/key_XXXXX.pem flash:/boot
```

The PEM file will be displayed in the GUI under System Management / File Management / Boot files Tab.

8. Enter the following commands to enable the HTTPS service and SSL Certificate.

```
Switch# configure terminal
Switch(config)# service http disable
Switch(config)# service https enable
Switch(config)# certificate load pem-cert key_XXXXX.pem
Switch(config)# service https restart
```

Remove SSL Certificate from an Advanced Features unit and disable the HTTPS service.

1. Connect a Serial cable from a COM port on the laptop or PC to the Console Interface on the Advanced Features unit.
2. Launch Putty and configure the connection options as follows:

| | |
|--------------|----------|
| Speed | 115200 |
| Data Bits | 8 |
| Stop Bits | 1 |
| Parity | None |
| Flow Control | XON/XOFF |

- 3 Press the enter key.

4. Enter the following commands to disable the HTTPS service and SSL Certificate.

```
Switch> enable
Switch# configure terminal
Switch(config)# no certificate load pem-cert
Switch(config)# service https disable
Switch(config)# service http enable
```

5. Log in to the GUI.
6. Select System Management.
7. Select File Management.
8. Select the Boot files Tab.
9. Select the Trash Can for the key_XXXXX.pem file.
10. Select Yes on the Confirm panel.