

Clearing FLASH and Upgrading in AOS Bootstrap

Warning: This procedure will erase the contents of FLASH memory on the AOS device. Be sure that you have the proper method to restore an AOS image to the unit before continuing.

Should you need to clear the contents of the flash memory on a product running the ADTRAN Operating System (AOS), this document will guide you through the process of removing all the files and restoring an AOS image into FLASH memory.

Connecting to the device in “bootstrap” mode:

1. Connect a straight-through serial cable to the console port of the unit.
2. Configure a VT100 session (i.e. HyperTerminal or ProComm) using the following settings: 9600 bps, 8 bits, no parity, 1 stop bit and no flow control.
3. Reboot the unit by removing the power. As the unit boots, you will be given the opportunity to break into bootstrap mode by pressing the Esc key within 5 seconds. Press Esc when prompted.

Clearing the contents of flash memory:

1. To clear the contents of flash memory, issue the following command from bootstrap:

```
bootstrap#erase file-system
This will erase all files in the file-system. Proceed? [y or n]
```

2. Type 'y' and press 'Enter'. The flash memory will be erased (including the AOS image).

Note: An AOS image must be loaded on the flash in order for the unit to boot. This can be done via TFTP as outlined below.

Uploading a new AOS image via TFTP:

1. Assign an IP address to the Ethernet interface using the this command:

```
bootstrap#ip address <ip_address> <subnet_mask>
```

2. If needed, define a default route for the router as well using this command:

```
bootstrap#ip route 0.0.0.0 0.0.0.0 <default_gateway>
```

3. Once you have established IP connectivity to the TFTP server, you can use the following command to transfer the file from the server:

```
bootstrap#copy tftp flash
Address of remote host? <insert TFTP server address>
Source filename? <insert filename as it appears on TFTP server>
Destination filename? <insert filename as it will appear on flash>
```

4. When prompted (as shown above) for the server IP address, filename on the server, and filename you wish to use on the device (usually the same).

Applying the new AOS image:

1. Once the file has successfully transferred to the flash, issue the following command to set the uploaded image as the primary boot image:

```
bootstrap#boot system flash <primary_image_filename> verify
```

2. After successfully setting the primary image, issue the command:

```
bootstrap#boot
```

The AOS product will boot on the new AOS image.