

Vega Upgrade Procedure – R7.2 and greater Firmware (TFTP)



Please ensure that you have TFTP server software installed on a PC and boot code version bootV1.00.abs or greater installed on your Vega before following these instructions.

If you require TFTP software you can download [TFTP Desktop 2.5](#) or [Pumpkin software](#).

Vega gateway firmware partitions ...

Vega gateways have 2 partitions of memory that it uses for storing firmware. When the upgrade is performed the Vega will NOT overwrite the firmware that it is currently using to run the system. This means that even if the firmware load fails (e.g. power fails, tftp server crashes or link fails) the Vega will still have the current firmware to run. Only when the new code has been loaded, the Vega has checked that it is valid and the Vega is rebooted will the new code be executed.

Process

1. Unzip the firmware file **<filename.abs>** to the directory where your TFTP server stores and sends files from.
<filename.abs> is the file name of the firmware supplied to you by VegaStream or a VegaStream authorised reseller.
2. Ensure the Vega is configured for the TFTP server.
(Skip this stage if the Vega has already been configured to work with this TFTP server)

If DHCP is used to specify the TFTP server then enter the following commands:

- > **set tftp.dhcp_if=<LAN interface number for DHCP server that will provide the TFTP server address>**
- > **save**
- > **reboot system**

Note: The LAN interface selected must have DHCP enabled.

If the TFTP server address is to be statically defined, enter the following commands:

- > **set tftp.ip=<TFTP server's IP address>**
- > **set lan.file_transfer_method=TFTP**
- > **set tftp.lan_profile=<LAN profile number which specifies the correct LAN interface to access tftp server>**
- > **set tftp.dhcp_if=0**
- > **save**
- > **apply**

3. Save the Vega's current configuration to the TFTP server by entering the following commands:

- > **put tftp:<currentconfig.txt>**

where **<currentconfig.txt>** is the file name of the file to use on the TFTP server to save the configuration. Choose an appropriate filename (it is best to include today's date as part of the name).

4. You can now load the firmware onto the Vega by entering the following commands:

- > **upgrade**
- > **download enable**
- > **download firmware <filename.abs>**

where **<filename.abs>** is the name of the firmware file loaded onto the TFTP server earlier.

(You should see memory being erased, and then the firmware being written to the inactive memory partition. This may take up to about 3 minutes to complete).

5. If the firmware upgrade is successful reboot the Vega:

- > **reboot system**

6. To restore the configuration parameters that you saved in step 3, re-connect to the Vega and type:

- > **factory reset**
- > **get tftp:<currentconfig.txt>**
- > **save**

where <currentconfig.txt> is the name of the file saved in step 3, above

7. Now reboot the Vega to make configuration changes active by typing:

- > **reboot system**

8. Now check the firmware version by typing at the TELNET prompt:

- > **show version**

The Vega should now display the contents of both memory partitions; the active partition should contain details of the firmware you have just upgraded to, the non-active partition will contain the version of code that you have just upgraded from.

Any problems, contact your VegaStream approved partner for assistance.

REMEMBER: after upgrading the Vega, functionally test the system in which it is operating to ensure that everything is working as expected.

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