

Release Notes 93000221X
for
PORTSERVER II Operating System
40001260W
Version 3.1.4
Software Manual P/N 92000246C
Software Manual P/N 92000271B
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I. Introduction

These release notes provide information on PortServer II OS version 3.1.4.

II. Summary

- A. Pre-3.0 Incompatibility Notice
- B. Pre-Rev K Model ROM Limitations
- C. Limitations for Systems with 2 Mbytes of Memory
- D. Upgrading flash ROM.
- E. Bug fixes in this release (Vantive problems).

III. Details

A. Pre-3.0 Incompatibility Notice

This version (v3.1.4) of the PortServer II OS is incompatible with versions older than v3.0. Certain parts of the non-volatile storage formats used to store configuration information have been changed.

Consequently, if you want to use this version of the OS and preserve your current configuration, you must use the `cpconf` command to save your configuration to a host and then reload it once the new version of the PortServer II OS has been installed.

B. Pre-Rev K Model ROM Limitations

The addition of Frame Relay to v3.0 and later have caused the size of the boot image to exceed the space available in the PortServer II flash ROM for units built prior to the Rev K models. Consequently, if you want to use v3.0 or later OS with these older units, you must do one of the following:

- Boot PortServer II via TFTP over the Ethernet port.
- Acquire a smaller version of the OS, which does not have Frame Relay, this is available from the Digi ftp site.

Note: Versions above and including v3.1.0 will no longer be available in the smaller non-frame version.

C. Limitations for Systems with 2 Mbytes of Memory

Testing has determined that the PortServer II's previously standard 2 Mbytes of installed memory is inadequate in the following instances and is likely to require an expansion to at least 4 Mbytes.

- Full 64 port configurations in which more than 50 asynchronous and/or TCP users are simultaneously using the PortServer II. This includes users accessing the PortServer II via the Ethernet connection or any type of connection using the serial ports.
- Sites with heavy traffic on serial ports. The problem is simply throughput – degradation of performance may indicate that additional memory is called for.

D. Upgrading Flash ROM

In some instances parameters from previous releases (i.e. v3.1.2) may not translate properly into v3.1.4. In order to insure that the parameters are correct the user can save their parameters from the previous releases by doing a “`cpconf tohost`” and reload the parameters back into the PortServer II after 3.1.4 is loaded.

- The recommended procedure for upgrading Flash ROM is:
 1. Obtain the new version of the software from Digi and place it on your TFTP server.
 2. Save your current configuration using cpconf. This is recommended to maintain a backup of your current configuration when re-writing a sizable portion of flash.
 3. Boot with the new OS (v.3.1.4) via TFTP by using “set config boothost=<hostip> bootfile=<filename> tftpboot=yes”, and then reboot your PortServer II. See command “set config” in User's Guide and Reference Manual for more details. This step ensures that you have a good copy of the new OS, and also that you can still boot your PortServer II in the unlikely event that your flash image gets corrupted in the process of writing it.
 4. After booting your PortServer II via TFTP, load the new OS onto the flash ROM by using the command “boot load=<host>: <filename>”. If all goes well, the PortServer II will reply “The image now in flash memory appears valid.”
 5. Reset the PortServer II to factory default by using either the two-button reset or “boot action=eewrite”.
Note: “boot action=eewrite” will leave some IP configurations intact to insure the PSII can be reach and boot from the network.
 6. Configure the IP configuration settings; as a minimum, define IP Address and Submask.
 7. Load the cpconf files from your TFTP server. Note: this may still generate warnings.

E. Bug Fixes – PortServer II OS v3.1.4

1. 5681, 5669, 5528, 5697, and 5765 – The Portserver reboots when a connection is broken during a login. A physical disconnection (e.g. remove a cable) or logical disconnection (e.g. Telnet CTRL^)] of Telnet, Rlogin, PPP or a Modem Connection causes this problem. This problem has been fixed.
2. 5784 – When two connections are attempting to use the same Portserver port (both connections are using altip and host-names), a disconnection of the second connection causes the Portserver to reboot. This problem has been fixed.
3. 5760 – A port disconnection, while trace messages are being sent through the port, can cause the Portserver to reboot. This problem has been fixed.