Release Notes 93000221AE
for
PORTSERVER II Operating System
40001260AD
Version 3.1.11
Software Manual P/N 92000246C
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I. Introduction

These release notes provide information on PortServer II OS version 3.1.11.

II. Summary

    A.   Pre-3.0 Incompatibility Notice.
    B.   Pre-Rev K Model ROM Limitations.
    C.   Limitations for Systems with 2 Mbytes of Memory.
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III. Details

    A.   Pre-3.0 Incompatibility Notice

    This version (v3.1.11) 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 (e.g. v3.1.10) may not translate properly into v3.1.11. 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 3.1.11 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.3.1.11) 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 reached and booted from the network.
  6. Configure the IP configuration settings. As a minimum define the PortServer II's IP Address and Submask.
  7. Load the 'cpconf' files from your TFTP server. Note: This may generate warnings.

E. Known Issues

  1. The 'set auth' command used to define authorizations to a single IP address is not functioning correctly. Users are advised to use firmware version 3.1.4 if their application requires this particular functionality.

F. Bug Fixes

  1. 7439: The 'set menu rmentry' command was removing unspecified menu entries. This has been corrected.

  2. 7502: SNMP will correctly report baud rates set by the RealPort Driver.

  3. 7608: The autoconnect service will now properly establish rlogin connections.

  4. 7943: An incorrect entry entered while using a menu caused the user to be disconnected. An appropriate error message will now be displayed.

  5. 8129: The escape sequence for menu users will work correctly.

  6. 8171: SNMP CERT test case issues have been resolved.

G. Enhancements

  1. 7799: The maximum number of entries in a menu has been increased from 20 to 64 entries. The following changes have been made:
     a. To aid in the configuration of large menus, specific entries for a given menu can be displayed using the 'set menu show' command (e.g. to display entries 3 through 5 for menu number 1 a user can use the command 'set menu range=1 show=3-5').

b. Menu users will see a maximum of 10 entries at a given time. To see more entries a user can type 'next' or 'previous' to browse through all available selections ('next' and 'previous' can be abbreviated to 'n' or 'p' respectively). These commands are displayed as available options to the menu user.

c. Online menu user help has been expanded to describe the options available to a given user. A menu user can view online help by pressing the '?' key.

d. Collective menu size has been limited to 48k.

2. 8202: The SNMP service will be turned on by default.