Livingston Enterprises, Inc.

ComOS 3.3.3 Release Note

Introduction

The new Livingston Enterprises ComOS™ 3.3.3 software release is now available for the PortMaster™ 2, 2E, 2ER, 2R and 25. This release is provided at no charge to all Livingston customers. The following document describes the features of the ComOS 3.3.3 software release and how to upgrade your PortMaster. Upgrade instructions are included at the end of this release note.

WARNING! YOU MUST USE PMINSTALL VERSION 3.3.1 OR LATER TO PERFORM THIS UPGRADE! If you are upgrading using PMconsole™ for Windows, you must use PMconsole for Windows version 1.1 or later. See "Upgrade Instructions" on page 2. If you have any port speeds set to 115200, upgrade to ComOS release 3.3.3, and later downgrade to any earlier release you must set the port speeds after downgrading.

New Feature in ComOS 3.3.3

ComOS 3.3.3 includes the following new feature:

For compatibility with the RADIUS RFC, Framed-Route attributes delivered from the RADIUS server which contain network masks of the type "/xx" no longer create an error condition. The PortMaster strips the mask value from the destination address and ignores it.

Bug Fixes in ComOS 3.3.3

Basic rate ISDN lines using switch type 5ESS point-to-point (5ESS-PTP) now establish LAPD sessions on their D channels immediately after system startup. This allows some hunt group provisioning to work properly.

ISDN ports configured for "host prompt" now accept synchronous PPP connections.

When dialing from one PortMaster to another using the V.120 protocol, users occasionally would not receive a login prompt until they pressed the Enter key. This problem has been fixed.

ISDN calls made using French switch type VN4 now pass their called telephone number using the "unnumbered" plan. This increases compatibility with some switches.

Calls rejected due to service incompatibility now provide proper cause codes to the switch.

A larger number of processes are now supported on the PM-2. This is required at boot time on a fully loaded PM-2E with 15 ISDN BRI ports.

The PortMaster occasionally rebooted while auto-detecting asynchronous PPP sessions. This problem has been fixed.

If a RADIUS server sent an Access-Challenge to users being authenticated with PAP the PortMaster incorrectly treated it as an ACK. This has been fixed. An Access-Challenge received for a PAP user is now treated as a NAK.

Memory Requirements

If you are installing a MOD-10I-U or MOD-10I-ST expansion card into a PM-2E-20 you should first install four megabytes of memory. This is the only hardware configuration that requires additional memory in ComOS 3.3.2 or 3.3.3. For instructions on upgrading the memory see the *Communications Server Hardware Installation Guide*.

Upgrade Instructions

If you are upgrading from ComOS 2.3 or 2.4 to 3.3.3, you must first upgrade to ComOS 3.0.4, reboot, then upgrade to 3.3.3.

If you have any port speeds set to 115200, upgrade to ComOS release 3.3.3. and downgrade to any release before 3.3.2 you must set the port speeds again after downgrading.

WARNING! YOU MUST USE PMINSTALL VERSION 3.3.1 OR LATER TO PERFORM THIS UPGRADE! If you are upgrading using PMconsole™ for Windows, you must use PMconsole for Windows version 1.1 or later.

The 3.3.3 upgrade image is available for the PortMaster 2, 2E, 2ER, and 2R at `ftp://ftp.livingston.com/pub/le/upgrades/pm2_3.3.3` and for the PortMaster 25 at `ftp://ftp.livingston.com/pub/le/upgrades/pm25_3.3.3`.

ComOS 3.3.3 uses the same RADIUS dictionary file as ComOS 3.3.2. The dictionary file is available at `ftp://ftp.livingston.com/pub/le/radius/dictionary.`

The installation software can be FTPed from `ftp://ftp.livingston.com/pub/le/software/`*`system`*`/`*`tarfile`*.

```
umask 22
mkdir /usr/portmaster
cd /usr/portmaster
tar xvf tarfile
./pminstall
```

To upgrade a PM-2, PM-2E, PM-2ER, or PM-2R to ComOS 3.3.3, run `pminstall` and choose the Upgrade PortMaster option, choose `pm2_3.3.3` from the menu of upgrade choices, enter your PortMaster's hostname or IP address, and enter your PortMaster's administrative password. `pminstall` upgrades your PortMaster to ComOS 3.3.3.

To upgrade a PM-25 follow the above instructions except choose `pm25_3.3.3` from the menu of upgrade choices instead of `pm2_3.3.3`.

The upgrade does not affect your stored configuration in the PortMaster. If you would like to backup your PortMaster configuration before upgrading, run `pmreadconf`:

```
cd /usr/portmaster
./pmreadconf pmname pmpassword data/pmname.conf
chmod 600 data/pmname.conf
```

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Contacting Livingston Technical Support

Every Livingston PortMaster or IRX™ product comes with free lifetime software technical support and a one year hardware warranty. Livingston Enterprises provides free technical support via voice, FAX, and electronic mail. Technical support is available Monday through Friday 6am-5pm Pacific Time (GMT-8).

To contact Livingston technical support by voice, dial 1-800-458-9966 within the US or 1-510-426-0770 outside the US, by FAX, dial 1-510-426-8951, by electronic mail, send mail to support@livingston.com, and through the World Wide Web at http://www.livingston.com/.