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# Release Addendum



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## NETServer Card 3.3 for Product Release: TCS 2.0.1

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This Release Is For: NETServer 3.3.3 (4MB Ethernet)

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### How to use this Release Addendum

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Use this Release Addendum in conjunction with your other product documentation. This addendum is designed as a quick reference of new features, product compatibility, issue resolutions, and unresolved issues.

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### What is new in this release?

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These new features are included in this release. For more information about these features, refer to the documentation provided with the product.

- ◆ Support of MS and STAC Compression on PPP (CCP)
- ◆ Local Multi-homing on Frame Relay ports
- ◆ IPXWAN on Frame Relay connections for IPX routing
- ◆ Microsoft Client Support (Client learns DNS from NETServer via PPP)
- ◆ RADIUS Enhancements
  - ◆ RADIUS Resource Management
  - ◆ Dynamic Filter Rules
  - ◆ Tracking ID in RADIUS auth/account and syslog
  - ◆ RADIUS Security (Check of IP address and UDP port)
  - ◆ One secret and UDP port per RADIUS Server
  - ◆ RADIUS attributes
  - ◆ MERIT RADIUS support of 128 byte passwords
  - ◆ NETServer upgrade to latest IETF RADIUS specifications
  - ◆ IP datagram re-assembly
  - ◆ RADIUS session time out implementation
  - ◆ Indication of MP (Multilink PPP) in Accounting record
  - ◆ Enhanced RADIUS support
- ◆ Packet Filter Enhancements
  - ◆ Syslog filtered packets with global switch
  - ◆ OSPF Filter
  - ◆ Global switch to drop IP datagrams with offset=1
  - ◆ Global switch to filter out all IP options
  - ◆ NETServer never routes a packet with a partial TCP header
- ◆ Routing Enhancements
  - ◆ PPTP Enhancement
  - ◆ Caller authenticates NETServer

- ◆ Dial-In LAN to LAN from BayNetworks, CISCO, 3Com Routers
- ◆ Classless Inter-Domain Routing (CIDR) Support
- ◆ RIPv2 Support
- ◆ IP Address Pool increase to 512 addresses
- ◆ Operations Enhancements
  - ◆ Busy-Out on Loss of service
  - ◆ Syslog tap to monitor port
  - ◆ Default IP address for NETServer Card
  - ◆ No dialout of port type is device/network
  - ◆ Slip in modem handles any size receive frame
  - ◆ PPP frame with embedded ACCM information

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## Compatibility information

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### Software Versions Available

- Software versions for the NETServer 3.3 4MB with the Ethernet NIC will be denoted by a version number of 3.3.3.

This will be the last release of the 4 MB product, although there may be a bug fix release later. At this time though, none are planned. All subsequent releases of the NETServer Card product will require 8 MB of memory to operate. All versions of NETServer Card 3.3 software will operate on NACs of both GWC and EPB GWC types. Listed below is an overview of the 4MB NETServer chassis product:

### NETServer 3.3 Software Upgrade for 4 MB NACs

SKU Number	80-000637-03 ENH SW UG NETSVR 4MEG ENET 3.3
Previous Shipping Number	3.2.6
Release Version	3.3.3
NICs	Old Enet NIC
NAC Type and Amount of RAM	N/A
NAC Product ID	Software will download to 18, 26, 44, and 45.

Compatibility Notes: This product is Software only. It does not contain any hardware. It is an issue resolution and feature software upgrade to NETServer V.34 Enet 3.2 (80-000622-04) This product will operate with 4 MB or more of RAM, but it will not use any more than 4 MB. It only supports the old Enet NIC, and will **NOT** support the Combo Enet/FR NIC.

### ***Issue Resolutions for NETServer 3.3.3 (4 MB Ethernet)***

Known resolved issues concerning the product are listed below.

#### **Password Table Data\_Length Isn't Calculated Properly:**

PW\_STD\_SIZE now reflects the size of the original PW\_ENT structure. This prevents the Password Table from taking twice as much space in FLASH and RAM.

#### **PPP Bonding Is Broken:**

PPP Bonding, when two PPP clients are using the SAME IP or IPX address, now works properly. Previously, this could only be done if the second session had the same user name as the first.

#### **NETServer Doesn't Support Attributes In IPXCP Configuration Request:**

NETServer now accepts/supports attributes during the IPXCP Configure Request. Previously, it would only accept empty Requests with just a header file.

#### **NETServer Doesn't Send DNS Info to WIN 95 Clients:**

NETServer is configured with a DNS address, but during an IPCP session with option 129, it now sends the IP address of DNS. Previously, NETServer would send only 0.0.0.0 as the IP address, as if it was not configured.

#### **WARNING! NETServer Reboots If Configured With "Location On\_Demand":**

NETServer will reboot if it configured with "Location On\_Demand". If a location is added and configured as On\_Demand, the NETServer WILL Reboot. If this happens, your NETServer configuration in the FLASH may be lost.

### ***Unresolved Product Issues***

There are no Unresolved Product Issues.