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Software Release Notification

TurboIP-45 5.1.1 Release Notes

Approval Signatures			
Product Manager: Randy Montgomery	Date: September 27, 2010	System Test: Charles E Brown	Date: September 27, 2010

Applicability
This is the release notes for turboIP-45 Version 5.1.1 (fw12995F). This release includes: 1. upgrade file from turboIP-45 Version 4.7.1 to Version 5.1.1, 2. full turboIP-45 Version 5.1.1 image (for factory), 3. Comtech Master MIB file: fw-0000013F.mib 4. turboIP-45 Private MIB file: fw-0000014F.mib

Revision History			
Rev #	**Description**	**Date**	**Prepared by**
-	Version 4.5.0	March 23, 2007	Randy Montgomery
A	Version 4.5.1	May 03, 2007	Randy Montgomery
B	Version 4.5.2	July 6, 2007	Randy Montgomery
C	Version 4.5.3	August 30, 2007	Randy Montgomery
D	Version 4.6.0	December 04, 2007	Randy Montgomery
E	Version 4.7.1	October 14, 2008	Randy Montgomery
F	Version 5.1.1	September 27, 2010	Randy Montgomery

FSCM No. 4J515

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Upgrade

- The turboIP-45 Version 5.1.1 release is an upgrade for turboIP-45 Version 4.7.1 ONLY.

- Version 5.1.1 is **recommended** for all field-installed turboIP-45 systems. This release includes a single upgrade file that must be downloaded to the unit from a FTP server through the upgrade screens on the HTTP or CLI interfaces. See **IMPORTANT NOTES** below for special 5.1.1 upgrade instructions pertaining to upgrade zip file.

- Do not "unzip" the upgrade file since it is in a proprietary format.

IMPORTANT NOTES

NOTE 1: **If the turboIP-45 is running any version that is older than version 4.7.1, it must first be upgraded to version 4.7.1 with separate upgrade files. Please refer to Upgrade Instructions V471.pdf.**

New Features

1. *IP Version 6 (IPv6) Support*

2. *WAN Optimization Package* – FAST option is now available to turn on WAN Optimization package that includes: WebCache (HTTP Cache system), CIFS (Common Internet File System), DRE (Data Redundancy Elimination), and Persistent LZ. **Please note this option is not available on this platform.**

3. *Dedicated 3rd NIC Added for Management Traffic* – A third physical NIC has been added to the system to allow for physical, not just logical, segementation of management traffic.

4. *Increase Session Support* - Accelerated session support has been increased to 10,000, with up to 40,000 memorized idle session support. Any sessions above 10,000 with traffic will still pass without acceleration applied.

5. *Proxy Position with Policy Based Routing Support* – The box can now be taken out of line and placed in a network appliance position, in conjuction with the use of PBR for routing only specific traffic to the box.

6. *Selective Acknoweldgement (SACK) Support* – SACK allows the TCP session to acknowledge individual TCP packets that were lost during transmission. This greatly reduces retransmission of complete packet segments, that typically occur with standard TCP when a packet is lost early or in the middle of a window segment.

7. *Export/Import Configuration* – Feature allows user to store configuration to a file and export. The user can also import a configuration file and the box will accept and reconfigure.   To import a file, box IP and subnet must be configured. turboIP-45 will require reboot after configuration file import.

Bug Fixes

Please note this is a feature release only.

Backward Compatibility

A turboIP-45 unit running V5.1.1 is verified compatible with turboIP units running V4.5.X and greater. No guarantee is being provided, at this time, that V5.1.1 will be compatible with versions before V4.5.X. However, to avoid performance degradation and future compatibility issues, a network-wide upgrade of all units to V5.1.1 should be performed.

Known Issues

All known issues relate to the WAN Optimization package, which is not available on this platform.