

Knowledge Base Article #ETM555

ETM[®] System Release Notes for Maintenance Release 5.1.14

This document contains important information about Maintenance Release 5.1.14 for the ETM[®] System appliance software.

Issues Resolved in v5.1.14

- Incompatibility between ETM System Software v5.X and ETM appliance compact flash disk (multiple symptoms)
 - Appliance may not complete the reboot process, requiring a serial connection to the appliance to complete the reboot
 - Appliance may panic upon reboot, causing a secondary reboot
 - During the reboot process, an appliance panic can cause the software to initialize into a state that does not allow the proper ISDN messaging to pass between the Central Office and PBX. This will manifest itself as the appliance reporting "Kernel Panics" and/or the D-channel continuously going down and coming back up ("bouncing"). Calls will not be able to be completed across affected spans during this time if "bouncing" is experienced.
 - This problem is caused by compatibility issues between the version of Linux kernel in the ETM appliance software and the compact flash disk on the appliance. To determine if a card can experience this problem, issue the following command via ASCII Management Interface, telnet or serial connection to the appliance: "**Maint more /proc/ide/hda/model**"
 - If you see either of the following results, your card can experience the issue: "**SanDisk SDCFBI-32**" or "**SanDisk SDCFJ-32**"
 - Linux kernel update to ensure compatibility with compact flash disk.

- Voice calls incorrectly identified as Modem calls
 - Significant changes to low-level call type functions were introduced in ETM System Software v5.0 to enhance the ability to detect modem call types, including the ability to detect V.92 quick connect modem handshakes. The call type detection change did improve our modem detection capability but the increased sensitivity has resulted in a small percentage of "false positive" detections where voice calls are improperly characterized as modem calls.
 - Statistics captured at two large sites indicate that some customers running ETM System Software v5.0 could see "false positive" modem detections at rates of approximately 1 per 1,000 voice calls
 - The call type code was changed to provide further validation checking of modem handshakes and eliminate the false positive modem detection

- Appliance communication ports appear to be open in High and Medium security configuration
 - If a port scanner is run against any ETM appliance running version 5.0 or above in High/Medium Security mode, the following ports may be detected: Telnet port(s), Primary/Backup NFAS ports, and Cache Recording span port. These ports will not respond to any communication attempt, but will appear "open" to the scan if the scanner's IP address is the Management Server IP or one of the Telnet Allow IPs.
 - Ports are now visible only if scanning from the ETM Management Server IP address.

Bug List - Resolved in v5.1.14

- 6007 - Allowed telnet IPs permit port scanning in Medium/High security mode.
- 6041 - Last Resort package is too large to install on some hardware variants of 4.x 3000 appliances.
- 6044 - Operating system lacked support for DMA-enabled compact flash disks used by a subset of 2100/3000 appliances. Symptoms included d-channel problems, reboot problems, and kernel panics.
- 6046 - Appliance's package download and processing time is slow.
- 6047 - For a small percentage of calls, voice calls are declared as Modem.
- 6048 - H.323 IPS termination problem led to occasional appliance restarts (panics).

To download this release, please follow the directions below:

- Go to <http://download.securelogix.com/>
- Navigate to the bottom of the page. There you will find a "Library Search File" section.
- Enter the file name "5114.zip"
- When prompted for a username and password, enter the following:
 - Username: 5114
 - Password: download

Instructions for installing the components of this patch can be found at the following link:

<http://support.securelogix.com/article.htm?articleid=ETM779>

Release notes for this patch are included in the download and can also be found at the following link:

<http://support.securelogix.com/article.htm?articleid=ETM555>

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SecureLogix Corporation

13750 San Pedro, Suite 230 • San Antonio, Texas 78232 • (210) 402-9669 • www.securelogix.com

Support (877) SLC-4HELP • EMAIL support@securelogix.com • <http://support.securelogix.com>

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The ETM System includes: Data Encryption Standard software developed by Eric Young (eay@mincom.oz.au),

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