



Netcrypt Bulk Encryptor Software Version 1.2.12 Release Notes

Overview

Introduction

These release notes contain the following information:

- Descriptions of the new features introduced with this software release
- Information you need to prepare for an upgrade to Netcrypt™ 1.2.12
- The list of software applications that make up Netcrypt 1.2.12
- Change requests (CRs) that were found in previous software releases and corrected in Netcrypt 1.2.12
- A summary of open issues for Netcrypt 1.2.12
- General information on contacting us for technical support

Scope

These release notes provide an executive overview of this software release. If you have questions about this release or require more detailed information call Cisco Services.

Audience

These release notes are written for system operators, sales and program managers, and field technicians.

Document Version

This is the first release of this document.

About This Software Version

Netcrypt 1.2.12 includes features and enhancements implemented at the request of our customers. Review this section to learn more about these exciting changes.

Note: For more information about a Netcrypt Bulk Encryptor, such as theory of operation, instructions for hardware installation, provisioning, or operation, refer to *Netcrypt Bulk Encryptor Hardware Installation and Operation Guide* (part number 4001444).

What's New in this Release?

This software version provides the following key feature(s):

Support for Adaptation Field Packet Filter

A craft port command was added to Netcrypt software version 1.2.12. This command allows users to enable or disable filtering of Adaptation Field packets. Prior to this feature, streams that were groomed to a Constant Bit Rate (CBR) using Empty Adaptation Field packets reduced the GQAM capability of correcting Program Clock Reference (PCR) clock drift. When heavy loads of data are transmitted, this condition may lead to intermittent pixilation in GQAM video output. The default value for this new craft port command is disable, which means that Adaptation Field packets are not filtered. If a specific network configuration requires filtering of Empty Adaptation Field packets, please contact Cisco Services for assistance.

Applications Included in this Release

Netcrypt software version 1.2.12 includes the following software applications:

- Netcrypt Host Application code 1.2.12
- Netcrypt Host Boot code 1.2.12
- Netcrypt Input Application code 1.2.12
- Netcrypt Input Boot code 1.2.12
- Netcrypt Output Application code 1.2.12
- Netcrypt Output Boot code 1.2.12
- Field Programmable Gate Array (FPGA) code 16.8

Compatible Tools

To install and maintain Netcrypt 1.2.12 use the tools included in DBDS Utilities Version 6.1.

Installation Media

Netcrypt software version 1.2.12 can be obtained from our File Transfer Protocol (FTP) site.

For instructions on accessing our FTP site, refer to *Netcrypt Bulk Encryptor Software Installation Instructions* (part number 4021238).

Important: When using this document, follow only the procedures for downloading Netcrypt software from the FTP site. Do not follow instructions for downloading Netcrypt software from a CD.

What Are the Site Requirements?

This section includes important information to help you ensure that your site is prepared to upgrade to this software version. Please read this entire section before you upgrade to Netcrypt software version 1.2.12.

System Release Compatibility and Prerequisites

Netcrypt software can be installed on a network that is running System Release (SR) 2.7/3.7/4.2 SP2 and later releases.

For a complete configuration listing, or to upgrade your system, contact Cisco Services.

Software Requirements

To upgrade a Netcrypt Bulk Encryptor with this software version, Netcrypt software version 1.1.3 or greater must be installed on the Netcrypt Bulk Encryptor.

Hardware Requirements

Install Netcrypt software version 1.2.12 on only a Netcrypt Bulk Encryptor chassis (part number 4007553).

What's Fixed

Introduction

This section provides a description of the CR implemented in Netcrypt 1.2.12.

CR 83026: Netcrypt No Longer Locks Up Due to Loss of Output Buffers

When used in VOD applications, the Netcrypt Bulk Encryptor has a potential race condition during session tear-down that can lead to the loss of all output buffers. The result of this rare condition is a loss of all video output. **CR 83026** corrects this issue.

Known Issues

Known Issues

This software product currently has no known issues.

For Information

If You Have Questions

If you have technical questions, call Cisco Services for assistance. Follow the menu options to speak with a service engineer.



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