



CHAPTER 2

What's New in this Release

Resource Manager Essentials 4.2 is the latest release of RME and it forms a part of the LAN Management Solutions (LMS) 3.1 bundle release. This release is an update to RME 4.1 (LMS 3.0). In addition to the devices supported, this package contains fixes to both existing and newly discovered problems.

For details about the new features in RME 4.2, see [New Features in RME 4.2](#)

New Features in RME 4.2

The following are the new features and enhancements in Resource Manager Essentials 4.2:

Device Auto Allocation

The device allocation in RME has been enhanced to include two new methods for auto allocation:

- **Manage All Devices** — Allows you to automatically add devices into RME once they are added to DCR.
- **Manage By Groups** — Allows you to automatically add devices into RME based on device groups.

However, the number of devices added into RME will depend on the license limit.

For more information on Device Auto Allocation, see [Device Management Administration Settings](#).

Baseline Template Enhancements

The Baseline template feature of RME has been revamped to improve usability. A new tab, **Compliance Management** for Baseline templates has been included under **RME > Config Mgmt**. Now Compliance Manager can be accessed as a separate entity under RME Configuration Management.

Further, the Basic Baseline Template creation flow has been enhanced to improve usability.

For more information, see:

- [Using Baseline Templates to Check Configuration Compliance](#).
- [Creating a Basic Baseline Template](#)

Use of Embedded Event Manager IOS feature in RME

EEM (Embedded Event Manager) is an IOS technology that runs on the control plane of the Cisco Catalyst 6500 device. The EEM is a framework for monitoring and detecting certain conditions that might impact network services. It includes methods to program specific actions that you can take when certain events are detected. The Cisco Catalyst 2900XL, 2970, 2960, 3550, 3560, 3750, and 3750E switches also support EEM.

You can use RME NetConfig to configure EEM-related environmental variables, applets or scripts on a Cisco Catalyst 6500, 2900XL, 2970, 2960, 3550, 3560, 3750, and 3750E switches. For more information on EEM Tasks, see [RME NetConfig Tasks for EEM](#).

You can use RME NetShow to generate reports based on EEM commandset. For more information on EEM NetShow commandset, see [EEM and RME NetShow](#).

You can also use RME Custom Reports to generate Syslog Embedded Event Manager Custom report. For more information on EEM reports, see [EEM and RME Reports](#).

For more information on Embedded Event Manager, see [Usage of Embedded Event Manager in RME](#).

Use of Generic OnLine Diagnostics IOS feature in RME

GOLD (Generic OnLine Diagnostics) is a device-specific IOS feature that has fault detection capabilities. It defines a common framework for diagnostic operations across Cisco platforms running Cisco IOS Software.

GOLD is used to run diagnostic tests like Bootup Diagnostic Test and Runtime Diagnostic Tests. You can use RME to configure these diagnostic tests on Cisco Catalyst 6500, 2900XL, 2970, 2960, 3550, 3560, 3750, and 3750E Switches.

You can use RME NetConfig to configure the Boot Level tests and Monitoring tests on a any of these switches:

Cisco Catalyst 6500, 2900XL, 2970, 2960, 3550, 3560, 3750, and 3750E. For more information on GOLD NetConfig Tasks, see [RME NetConfig Tasks for GOLD Tests](#).

You can use RME NetShow to generate reports based on GOLD commandsets. For more information on GOLD NetShow commandsets, see [GOLD Tests and RME NetShow](#).

You can also use RME Custom Reports to generate Syslog GOLD Custom Report. For more information on GOLD reports, see [GOLD Tests and RME Reports](#).

For more information on GOLD, see [Usage of GOLD in RME](#)

Use of Smart Call Home IOS feature in RME

The Cisco Smart Call Home service provides proactive messaging by capturing and processing Call Home diagnostics and inventory alarms from a Cisco Catalyst 6500 device configured with Call Home. You can use RME to configure Cisco Catalyst 6500 devices with Smart Call Home.

You can use RME NetConfig to configure the Cisco Catalyst 6500 devices in your network with Cisco Smart Call Home. For more information on Smart Call Home NetConfig Task, see [RME NetConfig Tasks for SCH](#).

You can use RME NetShow to generate reports based on Smart Call Home commandsets. For more information on Smart Call Home NetShow commandsets, see [Call Home Configuration and RME NetShow Commandsets](#).

You can also use Cisco Smart Call Home to generate various Smart Call Home Reports. For more information on Smart Call Home reports, see [Smart Call Home Report Generation](#).

For more information on Smart Call Home, see [Usage of Cisco Smart Call Home in RME](#).

PSIRT, End of Sale and End of Life Offline Report option

An additional PSIRT/EOX reports administration option has been included to allow you to change the data source for generating a PSIRT or End Of Sale or End of Life report.

You can generate the PSIRT or End of Sale or End of Life report either by accessing the data at Cisco.com or by accessing the local xml data store.

For more information on PSIRT, End of Sale and End of Life Offline Report options, see [Usage of PSIRT End of Sale and End of Life Data to Generate Reports](#).

Config Fetch Protocol Usage Report

You can use the Config Fetch Protocol Usage report to view the protocol usage details for successful configuration fetches for devices. Also you can change the transport protocol order after analyzing the protocol usage trends using this report.

For more information on Config Fetch Protocol Usage Report, see [Using the Config Fetch Protocol Usage Report](#).

Support for External FTP in RME Software Management

The Remote Staging and Distribution now allows you to use an external FTP server as the staging server, to distribute images to all the devices available in RME. The image to be distributed is first staged to the external FTP server manually and then the staged image is upgraded on all selected devices.

For more information on support for external FTP in RME Software Management, see [Using External FTP Server](#)

Job based Summary Details in Notification Mails

Now you can also receive job details or output as an attachment in the job notification email. You can also configure the type of the attachment format that you would want to receive. The attachment formats can be either CSV or PDF.

You can use this option in the following RME flows:

- Inventory Reports
- Syslog Reports
- CDA Jobs
- Baseline Jobs

For more information on Job based Summary Details in Notification Mails, see the applicable module chapters

Last X Days Option for Syslog Standard Report and 24 Hour Change Audit Report

Now you can also generate a report for the last X days or weeks or months or years. Where X represents the number of days or weeks or months or years.

You can use this option while generating a Syslog Standard Report or a 24 Hour Change Audit Report or a Standard Audit Trail Report.

For more information on Last X Days option, see:

- [Overview: Syslog Analyzer Reports](#)
- [Generating 24 Hours and Standard Change Audit Reports](#)
- [Generating a Standard Audit Trail Report](#)

Additional DDR Attributes for Custom Reports

There are few more new attributes added for Inventory Custom Reports:

- Asset — Physical Index
- Chassis — Report Published
- Image — Last Changed
- Image — Build Time
- Interface — Physical Address
- Interface — Speed
- IP Address — Protocol of Address
- System — Last Updated At

For more information on additional DDR attributes for Custom Reports, see [Inventory Groups and Attributes](#).