



CHAPTER 1

Overview of RME

The Resource Manager Essentials (RME) suite is part of the CiscoWorks family of products. It is an Enterprise solution to network management. RME is a powerful suite of Web-based applications offering network management solutions for Cisco switches, access servers, and routers.

The Resource Manager Essentials browser interface allows easy access to information critical to network uptime and simplifies time-consuming administrative tasks.

RME is based on a client/server architecture that connects multiple web-based clients to a server on the network. As the number of network devices increases, additional servers or collection points can be added to manage network growth with minimal impact on the client browser application.

Taking advantage of the scalability inherent in the intranet architecture, RME supports multiple users anywhere on the network. The web-based infrastructure gives network operators, administrators, technicians, Help Desk staff, IS managers, and end users access to network management tools, applications, and services.

RME allows the network administrators to view and update the status and configuration of all Cisco devices from anywhere on the network through a standard Web browser as the RME client.

RME maintains a database of current network information. It can generate a variety of reports that can be used for troubleshooting and capacity planning. When devices are initially added to the RME, the network administrator can schedule RME to periodically retrieve and update device information, such as hardware, software, and configuration files, to ensure that the most current network information is stored.

In addition, RME automatically records any changes made to network devices, making it easy to identify when changes are made and by whom.

RME applications provide the network monitoring and fault information you need for tracking devices that are critical to network uptime. They also provide tools that you can use to rapidly and reliably deploy Cisco software images and view configurations of Cisco routers and switches.

RME applications, together with links to Cisco.com service and support, automate software maintenance to help you maintain and control your Enterprise network.

Also see:

[What's New in this Release](#)

This section lists the new features of RME and introduces you to the RME features.

RME Feature List

This section lists all Resource Manager Essentials (RME) applications and the tasks that can be accomplished with each of these applications.


The organization of this section is based on the tabs that are available on the Resource Manager Essentials (**CiscoWorks > Resource Manager Essentials**) page.

- [Home \(Tab\)](#)
- [Devices \(Tab\)](#)
- [Config Mgmt \(Tab\)](#)
- [Software Mgmt \(Tab\)](#)
- [Job Mgmt \(Tab\)](#)
- [Reports \(Tab\)](#)
- [Tools \(Tab\)](#)
- [Admin \(Tab\)](#)
- [PSIRT/End of Sale/End of Life Reports](#)
- [cwcli Framework](#)
- [RME Device Center](#)

This section also lists the RME processes. See [RME Process and the Dependency Processes](#) for further details. See [Table 1-1](#) for the icons in the User Interface

This section also describes about the shortcut links that can be created in the RME Portlet of LMS Portal Home Page. See [Shortcut Links](#) for further details.

Table 1-1 *Icons in User Interface*

Icon	Name	Description
	Toggle	<p>To switch between the Full Screen view and the Normal view of the application page.</p> <ul style="list-style-type: none"> • Full Screen view—Displays only the application configuration area. • Normal view—Displays the Table of Contents, Application tabs along with the configuration area. <p>By default, the Normal view is displayed.</p>



Note

View the Permission Report (**Common Services > Server > Reports**) to check if you have the required privileges to perform this task.

Home (Tab)

From this tab, you can access all the frequently used applications in RME, and it also provides the status of some important applications.

The RME Home page has the following panes:

- [Device Management Status](#)
- [Collection Status](#)
- [Recently Completed Jobs](#)
- [24 Hour Syslog Severity Summary](#)
- [24 Hour Changes](#)
- [System Tasks](#)
- [Device Management Tasks](#)
- [Reports](#)
- [Management Tasks](#)

If you check the Auto-Refresh checkbox in the top-left corner of the page, the contents of the page are refreshed at a set interval. You can also click the Refresh icon on the top-right corner of the page to trigger a page refresh.

Device Management Status

This pane gives details about the number of devices in each state, that are managed by RME. This information is fetched from the Device Management page (**RME > Devices > Device Management**).

You can view the number of devices in the following states in RME: Normal, Pending, Pre-Deployed, Suspended, Alias, and Conflicting. For more details on the device states, see [Understanding the RME Device States](#).

Collection Status

This pane gives details about the collection status for Inventory and Config Archive.

Inventory Collection Status lists the number of successful collections, failed collections, and their details. When you click the hyperlink, it launches the details from the Inventory Collection Status page (**RME > Devices > Inventory > View Inventory Collection Status**).

Config Collection Status lists the number of successful, failed, partially successful, and Out-Of-Sync collections, and their details. When you click the hyperlink, it launches the reports of the failed or partially successful collections. The Out of Sync Summary details are collected from **RME > Config Mgmt > Archive Management > Out-Of-Sync Summary**.

Recently Completed Jobs

This pane shows details of the last eight jobs completed. These details are fetched from the RME Job browser:

Field	Description
Job ID	<p>Unique ID assigned to the job by the system, when the job is created.</p> <p>For periodic jobs such as Daily, Weekly, etc., the job IDs are in the number.x format. The x represents the number of instances of the job.</p> <p>For example, 1001.3 indicates that this is the third instance of the job ID 1001.</p> <p>You can view the job details by clicking on the hyperlink.</p>
Job Type	Reporting application—Bug Toolkit, Change Audit, Contract Connection, Inventory, Syslog, etc.
Status	<p>Status of the scheduled job— Success or Failed.</p> <p>Successful jobs are shown in green, and failed jobs in red.</p>
Description	Description of the job provided by the job creator. (Alphanumeric characters).
Completed At	Date and time the job was completed at.

Click the More hyperlink to go to the RME Job browser (Job Mgmt > RME Jobs) where you can view the status of all RME jobs.

24 Hour Syslog Severity Summary

This pane gives the Syslog severity message count received in the last 24 hours in the network. It also gives the number for the three severity messages— Emergency, Alerts and Critical from the devices in the network. When you click the message Count hyperlink, the report screens are launched.

24 Hour Changes

This pane gives the number of changes in Config and Inventory in the last 24 hours. When you click the number, a report is displayed with the details for the corresponding devices, with the change category information for the last 24 hours.

System Tasks

This pane provides quick links to the following common system tasks:

- Group Management (**RME > Devices > Group Administration**)
- Device Management (**RME > Devices > Device Management**)
- Sync Archive (**RME > Config Mgmt > Archive Mgmt > Sync Archive**)
- System Inventory Collection (**RME > Admin > Inventory > System Job Schedule**)
- System Config Collection (**RME > Admin > Config Mgmt > Archive Mgmt > Collection Settings**)

Device Management Tasks

This provides quick links to carry out the following common device management tasks:

- Add Device (**RME > Devices > Device Management**)
- Delete Devices (**Common Services > Device and Credentials > Device Management**)
- Edit Device Attributes (**RME > Devices > Device Management > RME Devices > Edit Device Attributes**)
- Import Devices (**Common Services > Device and Credentials > Device Management > Bulk Import**)
- Export Devices (**RME > Devices > Device Management > RME Devices > Export**)

Reports

This pane provides quick links to the following frequently used reports in RME:

- Hardware Report (**RME > Reports > Report Generator**). Hardware Report for Inventory is selected.
- Software Report (**RME > Reports > Report Generator**). Software Report for Inventory is selected.
- Detailed Device Report (**RME > Reports > Report Generator**). Detailed Device Report for Inventory is selected.
- Syslog 24 Hour Report (**RME > Reports > Report Generator**). Syslog 24 Hour Report from Syslog Application is selected.
- Syslog Standard Report (**RME > Reports > Report Generator**). Standard Report from Syslog Application is selected.
- Syslog Severity Level Summary (**RME > Reports > Report Generator**). Severity Level Summary Report from Syslog Application is selected.

Management Tasks

This pane provides quick links to the following common management tasks in RME:

- Netshow—This link takes you to **RME > Tools > NetShow > NetShow Jobs**
- NetConfig—This link takes you to **RME > Config Mgmt > NetConfig > NetConfig Jobs**
- Check Device Attributes—This link takes you to **RME > Devices > Device Management > Device Credential Verification Jobs**
- Edit Config—This link takes you to **RME > Config Mgmt > Config Editor > Config Editor Jobs**
- Config Compliance—This link takes you to **RME > Config Mgmt > Archive Mgmt > Baseline Templates > Baseline Jobs**
- Image Distribution—This link takes you to **RME > Software Mgmt > Software Distribution**.

Devices (Tab)

Networks are a mix of heterogeneous and geographically dispersed systems. Tracking of hardware and software assets in such an environment is very critical. Inventory details and Device Management are basic requirements for all network management applications.

From this tab you can launch these RME applications:

- [Inventory](#)
- [Device Management](#)
- [Group Administration](#)

Inventory

Inventory, or the Inventory Collection Service (ICS) and Poller software component of RME, collects inventory data from the network devices and keeps the inventory updated.

If any changes are detected in hardware or software components, the inventory database will be updated and a change audit record will be created to inform the network manager of the change, and to document the event. This helps to ensure that the information displayed in the Inventory reports reflects the current state of network devices.

Inventory Tasks

You can perform the following tasks using Inventory. See [Table 1-2](#):

Table 1-2 *Inventory Tasks*

Task	Launch Point
Define filters to customize the data displayed in Inventory change reports.	Resource Manager Essentials > Admin > Inventory > Inventory Change Filter
Schedule system jobs for: <ul style="list-style-type: none"> • Inventory collection • Inventory polling 	Resource Manager Essentials > Admin > Inventory > System Job Schedule

Table 1-2 *Inventory Tasks (continued)*

Task	Launch Point
<ul style="list-style-type: none"> View, create, and manage Inventory jobs. View the job details of Inventory jobs (by clicking the Job ID hyperlink in the Inventory Job Browser). 	Resource Manager Essentials > Devices > Inventory > Inventory Jobs
View the inventory collection status	Resource Manager Essentials > Devices > Inventory > View Inventory Collection Status
Create and manage Inventory custom report templates.	Resource Manager Essentials > Reports > Custom Report Templates
Create and manage these Inventory reports: <ul style="list-style-type: none"> 24 Hour Inventory Change Report Chassis Slot Details Chassis Slot Summary Detailed Device Report Device Statistics report Hardware Report Hardware Statistics report Software Report PoE Report PSIRT Summary Report End of Sale /End of Life Report MultiService Port Details Hardware Summary Graph Software Version Graph Chassis Summary Graph 	Resource Manager Essentials > Reports > Report Generator. Select the Inventory application and then select the report.

Device Management

Most RME tasks are performed against a set of devices. Device Management is the starting point for all RME applications.

For RME to work with devices, you must first add devices to Common Services Device and Credential Repository. RME provides a facility to either select devices from Device and Credential Repository and add the selected devices into RME or automatically add devices to RME by enabling the Automatically Manage Devices from Credential Repository setting in the Device Management Setting window.

When devices are added to RME, Inventory (and other applications within RME) proceed to contact the device and collect necessary information to be stored in the database.

Device Management Tasks

You can perform the following tasks using Device Management. See [Table 1-3](#):

Table 1-3 **Device Management Tasks**

Task	Launch Point
Automatically manage devices from Device and Credential database.	Resource Manager Essentials > Admin > Device Mgmt > Device Management Settings > Enable Auto Mode (option) > Manage All Devices (option)
Automatically manage devices from Device and Credential database using device groups.	Resource Manager Essentials > Admin > Device Mgmt > Device Management Settings > Enable Auto Mode (option) > Manage By Groups (option)
Allows you to check Device Credentials while adding devices to RME	Resource Manager Essentials > Admin > Device Mgmt > Device Management Settings > Verify Device Credentials While Adding Devices (option)
Allows you to check Device Credentials while editing devices in RME	Resource Manager Essentials > Admin > Device Mgmt > Device Management Settings > Verify Device Credentials While Editing Devices (option)
Select the device credentials that needs to be checked while adding devices to RME.	Resource Manager Essentials > Admin > Device Mgmt > Device Credential Verification Settings
Add devices to RME from Device and Credential Repository. You can also edit the RME device attributes using either Edit Device Attributes or Export and Import buttons.	Resource Manager Essentials > Devices > Device Management > RME Devices > Add Devices button
Editing device attributes (to set different device attributes value for different RME devices.) You can also set the default values for device attributes in the RME Device Attributes window (Resource Manager Essentials > Admin > System Preferences > RME Device Attributes). The values that you enter in this window is applicable to all selected devices in RME.	Resource Manager Essentials > Devices > Device Management > RME Devices > Edit Device Attributes button
Export RME devices	Resource Manager Essentials > Devices > Device Management > RME Devices > Export button
Check the state of the RME devices.	Resource Manager Essentials > Devices > Device Management
View, export, suspend, resubmit, and delete RME Normal devices. You can also run a Inventory and Configuration Status report using Report button.	Resource Manager Essentials > Devices > Device Management > Normal Devices
View and delete RME Pending devices.	Resource Manager Essentials > Devices > Device Management > Pending Devices
Re-submit and delete the RME suspended devices.	Resource Manager Essentials > Devices > Device Management > Suspended Devices
View, export, suspend, resubmit, and delete RME Pre-deployed devices.	Resource Manager Essentials > Devices > Device Management > Pre-Deployed Devices
Resolve the Alias devices conflict.	Resource Manager Essentials > Devices > Device Management > Alias Devices

Table 1-3 **Device Management Tasks (continued)**

Task	Launch Point
Resolve Device Conflicts. You can update the Device and Credentials database or delete conflicting devices.	Resource Manager Essentials > Devices > Device Management > Conflicting Device Types
Schedule Credential Verification jobs.	RME > Devices > Device Management > Device Credential Verification Jobs
View Device Manageability Status	RME > Devices > Device Management > Device Manageability Status

Group Administration

Grouping devices and working with groups provides convenience to you in selecting required devices. You can define several groups of devices based on a set of criteria and manage the same. Device grouping provides an easy way of selecting the required devices.

Group Administration Tasks

You can perform the following tasks using Group Administration. See [Table 1-4](#):

Table 1-4 **Group Administration Tasks**

Task	Launch Point
Manage RME devices using Device Grouping. You can: <ul style="list-style-type: none"> • Create a Group • Edit a Group • Delete a Group • View Group Details 	Resource Manager Essentials > Devices > Group Administration

Config Mgmt (Tab)

The Configuration Management application stores the current, and a user-specified number of previous versions, of the configuration files for all supported Cisco devices maintained in the RME. It tracks changes to configuration files and updates the database if a change is made.

As the network administrator, you need to be able to control and track changes to device configurations to minimize errors and assist in troubleshooting problems. This can be very difficult if several different users are making changes to the device configurations. It can also become very repetitive and time-consuming. Configuration Management can help simplify and automate these tasks.

From this tab you can launch these Configuration Management applications:

- [Archive Management](#)
- [Compliance Management](#)
- [Config Editor](#)
- [NetConfig](#)

Archive Management

The Archive Management application maintains an active archive of the configuration of devices managed by RME. It provides an,

- Ability to fetch, archive, and deploy the device configurations,
- Ability to handle Syslog triggered config fetches, thereby ensuring that the archive is in sync with the device.
- Ability to search and generate reports on the archived data
- Ability to compare and label configurations, compare configurations with a baseline and check for compliance.

Archive Management Tasks

You can perform the following tasks using Archive Management. See [Table 1-5](#):

Table 1-5 Configuration Management

Task	Launch Point
Set the transport protocol order for Archive Mgmt, NetConfig, and Config Editor jobs.	Resource Manager Essentials > Admin > Config Mgmt.
Enable the job password policy for Archive Mgmt, NetConfig, Config Editor, and cwconfig. You can also configure the default failure job policies.	Resource Manager Essentials > Admin > Config Mgmt > Config Job Policies.
Move the directory for archiving the RME device configuration and enable and disable the usage of Shadow directory.	Resource Manager Essentials > Admin > Config Mgmt > Archive Mgmt
Purge configuration files from the archive.	Resource Manager Essentials > Admin > Config Mgmt > Archive Mgmt > Purge Settings
Check the status of the latest attempt to archive the device configuration.	Resource Manager Essentials > Config Mgmt > Archive Mgmt.
Schedule a job to update the configuration for selected group of devices. The job can be on Immediate or a Periodic job.	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Sync Archive
View the protocol usage details for successful configuration fetches for devices. Also change the transport protocol order after analyzing the protocol usage trends using this report.	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Config Fetch Protocol Usage
Generate a Out-of-Sync report for the group of devices whose running configurations differ from their startup configurations.	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Out-of-Sync Summary
View all the available configuration versions in the archive for the selected devices.	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Version Tree
View the startup, running, or most recently archived configurations, as well as the differences among those configurations.	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Version Summary
Search a configuration in the archive by selecting devices and specifying a pattern on which the search has to be performed.	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Search Archive

Table 1-5 Configuration Management (continued)

Task	Launch Point
Create a Custom Query. You can also: <ul style="list-style-type: none"> • Run a Custom Query • Edit a Custom Query • Delete the Custom Queries 	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Search Archive > Custom Queries
Compare two device configuration files from version to version or from device to device.	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Compare Configs
Browse the Archive Management jobs that are registered on the system. You can also: <ul style="list-style-type: none"> • Retry a Config Job • Stop a Config Job • Delete the Config Jobs 	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Archive Mgmt Jobs
Create the Label configuration. You can also: <ul style="list-style-type: none"> • View a Label configuration • Edit a Label configuration • Delete the Label configurations 	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Label Configs
Create the Baseline template. You can also: <ul style="list-style-type: none"> • View a Baseline template • Edit a Baseline template • Delete a Baseline template • Import a Baseline template • Export a Baseline template 	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Baseline Templates
Generate a non-compliance configuration report. You can also: <ul style="list-style-type: none"> • Download this template on to the devices to make it compliant. • Delete the Compliance jobs 	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Baseline Templates > Compliance

Compliance Management

The baseline template is a feature in CiscoWorks RME that allows you to identify and select a set of commands to check network compliance. Compliance Management uses Baseline templates to check for compliance, manage templates, deploy baselines and create and monitor the baseline jobs.

These templates can be customized to meet organizational policy requirements and can be run on a group of devices in the network.

The baseline template helps the network administrator in:

- Checking for device configuration compliance
- Identifying and correcting device non-compliance

Compliance Management Tasks

You can perform the following tasks using Compliance Management. See [Table 1-6](#):

Table 1-6 *Compliance Management*

Task	Launch Point
Create the Baseline template. You can also: <ul style="list-style-type: none"> View a Baseline template Edit a Baseline template Delete a Baseline template Import a Baseline template Export a Baseline template 	Resource Manager Essentials > Config Mgmt > Compliance Mgmt > Template Mgmt
Run Compliance checks	Resource Manager Essentials > Config Mgmt > Compliance Mgmt > Compliance Check
Deploy Baseline template using: <ul style="list-style-type: none"> User Interface Or <ul style="list-style-type: none"> File System 	Resource Manager Essentials > Config Mgmt > Compliance Mgmt > Direct Deploy
<ul style="list-style-type: none"> Check the status of the Baseline jobs Schedule a job to deploy the standard configuration to all non-compliant devices. Reschedule a failed job using this button Delete the compliance jobs 	Resource Manager Essentials > Config Mgmt > Archive Mgmt > Baseline Templates > Compliance/Deploy Jobs

Config Editor

The Config Editor application gives you easy access to configuration files. Config Editor allows a network administrator with the appropriate security privileges to edit a configuration file.

Config Editor Tasks

You can perform the following tasks using Config Editor. See [Table 1-7](#):

Table 1-7 *Config Editor Tasks*

Task	Launch Point
Set or change your Config Editor preferences.	Select RME > Admin > Config Mgmt > Config Editor
View the list of previously opened files in private or public work area.	Select RME > Config Mgmt > Config Editor > Private Configs Or Select RME > Config Mgmt > Config Editor > User Archive

Table 1-7 *Config Editor Tasks (continued)*

Task	Launch Point
Open a configuration file for editing in four ways: <ul style="list-style-type: none"> • Device and Version • Pattern Search • Baseline • External Location 	Select RME > Config Mgmt > Config Editor > Config Files
View the status of all pending, running, and completed jobs. You can also create a new job or edit, copy, stop and delete a job that you have opened.	Select RME > Config Mgmt > Config Editor > Config Editor Jobs.

NetConfig

NetConfig enables you to make configuration changes to the network devices, whose configurations are archived in the Configuration Archive. It provides easy access to the configuration files for all RME supported devices.

NetConfig Tasks

You can perform the following tasks using NetConfig. See [Table 1-8](#):

Table 1-8 *NetConfig Tasks*

Task	Launch Point
<ul style="list-style-type: none"> • View and create NetConfig jobs using the NetConfig Job Browser. • View Job details (by clicking the Job ID hyperlink in the NetConfig Job Browser). • You can also: <ul style="list-style-type: none"> – Edit jobs – Copy jobs – Retry jobs – Stop jobs – Delete jobs 	Resource Manager Essentials > Config Mgmt > NetConfig or Resource Manager Essentials > Config Mgmt > NetConfig > NetConfig Jobs
Create and manage user-defined tasks.	Resource Manager Essentials > Config Mgmt > NetConfig > User-defined Tasks
Assign user-defined tasks to valid CiscoWorks users.	Resource Manager Essentials > Config Mgmt > NetConfig > Assigning Tasks

Software Mgmt (Tab)

The Software Management application automates the steps associated with upgrade planning, scheduling, downloading software images, and monitoring your network.

The Software Management application provides tools making it easier to store backup copies of all Cisco software images running on network devices. It also helps you to store any additional software images that you may wish to maintain, and to plan and execute software image upgrades to multiple devices on the network at the same time.

It gives you flexibility in upgrading devices with software images. You can either select a set of devices and perform an image upgrade, or select a software image and select a set of devices on which to perform the upgrade. You can even select one of your devices as a remote stage to temporarily store a software image.

It can analyze devices against software image requirements to determine device compatibility and make recommendations before performing a software upgrade.

The Software Management application can also download and list applicable images from Cisco.com, while recommending an image for the device upgrade. You should select the Cisco.com filters in Administration preferences (**Resource Manager Essentials > Admin > Software Mgmt > View/Edit Preferences**), to avail this benefit.

Software Management Tasks

You can perform the following tasks using Software Management. See [Table 1-9](#):

Table 1-9 **Software Management Tasks**

Task	Launch Point
<p>You can specify information such as, the directory where images are stored, the pathname of the user-supplied script to run before and after each device software upgrade.</p> <p>You can enable and specify the protocol order for Software Management tasks. You can also enable the Job Based Password option for Software Management tasks.</p> <p>You can specify if the images on Cisco.com should also be included during image recommendation of the device, and also specify the Cisco.com filters so that only those images that match the filter criteria are recommended.</p>	Resource Manager Essentials > Admin > Software Mgmt > View/Edit Preferences
Upgrade Software Management knowledge base.	Resource Manager Essentials > Admin > Software Mgmt > Update Upgrade Information
<p>Add and delete software images into the software image library using:</p> <ul style="list-style-type: none"> • Cisco.com • Device • File System • URL • Network <p>You can also update the status of the images using the Update Status button.</p>	Resource Manager Essentials > Software Mgmt > Software Repository

Table 1-9 **Software Management Tasks (continued)**

Task	Launch Point
Schedule and generate Synchronization report to find any images running on Software Management-supported devices not in the software image library.	Resource Manager Essentials > Software Mgmt > Software Repository > Software Repository Synchronization
Determine the impact and prerequisites for a new software deployment using images that reside in Cisco.com and in software image library.	Resource Manager Essentials > Software Mgmt > Software Distribution > Upgrade Analysis
Distribute the software images using: <ul style="list-style-type: none"> • By devices [Basic] • By devices [Advanced] • By image • Use remote staging - by using Staging Device • Use remote staging - by using External FTP Server • Use remote staging - by using External TFTP Server • Patch Distribution - by Device • Patch Distribution - by Patch 	Resource Manager Essentials > Software Mgmt > Software Distribution Resource Manager Essentials > Software Mgmt > Software Distribution > Patch Distribution
Verify your Software Management job status. You can also: <ul style="list-style-type: none"> • Edit a scheduled Software Management job • Retry a failed Software Management job • Undo a successful Software Management job • Stop a running Software Management job • Delete a Software Management job 	Resource Manager Essentials > Software Mgmt > Software Mgmt Jobs

Job Mgmt (Tab)

RME applications, such as NetConfig, Config Editor, Archive Management and Software Management, allow you to schedule jobs to perform their tasks. The Job Approval feature of RME allows you to mandate that one of a group of users designated as job approvers approves each job before it can run.

Job Management Tasks

You can perform the following tasks using Job Management and Job Approval. See [Table 1-10](#):

Table 1-10 **Job Management and Job Approval Tasks**

Task	Launch Point
Specify and maintain information about users with approver roles.	Resource Manager Essentials > Admin > Approval > Approver Details
Create one or more job approvers list.	Resource Manager Essentials > Admin > Approval > Create/Edit Approver Lists.
Assign approver lists.	Resource Manager Essentials > Admin > Approval > Assign Approver Lists

Table 1-10 Job Management and Job Approval Tasks (continued)

Task	Launch Point
Enable job approval policy for the following applications: <ul style="list-style-type: none"> • NetConfig • Config Editor • Archive Mgmt • Software Image Mgmt You can enable Job Approval policy for all of these by selecting the All option.	Resource Manager Essentials > Admin > Approval > Approval Policies
View jobs for various applications, using the Job Management browser. For example, Inventory, Syslog, Archive Management, etc.	Resource Manager Essentials > Job Mgmt > RME Jobs
View and approve jobs that are awaiting approval.	Resource Manager Essentials > Job Mgmt > Job Approval

Reports (Tab)

The Reports application provides a new centralized launch point for all report operations, across RME applications.

Reports Tasks

You can perform the following tasks using Reports. See [Table 1-11](#):

Table 1-11 Reports Tasks

Task	Launch Point
Viewing and managing Report jobs, using the Reports Job browser.	Resource Manager Essentials > Reports > Report Jobs
Create, modify or delete custom templates for these applications: <ul style="list-style-type: none"> • Inventory • Syslog 	Resource Manager Essentials > Reports > Custom Report Templates
Create and manage reports for these applications: <ul style="list-style-type: none"> • Audit Trail • Bug Toolkit • Change Audit • Device Credential • Inventory • Syslog • Contract Connection 	Resource Manager Essentials > Reports > Report Generator. Select the required application and then select the report.
View and delete archived reports.	Resource Manager Essentials > Reports > Report Archives.

Table 1-11 Reports Tasks (continued)

Task	Launch Point
Set the Purge Policy for reports.	Resource Manager Essentials > Admin > System Preferences > Job Purge
Change the default directory location for reports archival on the RME server.	Resource Manager Essentials > Admin > Reports > Archive Settings
Change the data source for generating a PSIRT or End Of Sale or End of Life report.	Resource Manager Essentials > Admin > Reports > PSIRT/EOX Reports

You can perform the following tasks using Bug Toolkit. See [Table 1-12](#):

Table 1-12 Bug Toolkit Tasks

Task	Launch Point
Generate a report to view a summary of the software image bugs for a group of devices.	Resource Manager Essentials > Reports > Report Generator Select the Bug Toolkit application and then select the Bug Summary Report.
Search for known bugs that could affect the devices on your network.	Resource Manager Essentials > Reports > Report Generator Select the Bug Toolkit application and select the Locate Device Report

Tools (Tab)

From, this tab you can launch the following applications:

- [Change Audit \(Including Audit Trail\)](#)
- [Syslog](#)
- [NetShow](#)
- [SmartCase](#)
- [Virtual Switching System Configuration](#)

Change Audit (Including Audit Trail)

The Change Audit application lets you track and report network changes. It provides the capability for other RME applications to log change information to a central repository called the Change Audit log.

The Audit Trail application tracks and reports changes that the RME administrator makes on the RME server. You can generate Audit Trail reports using the Reports tab.

See [Change Audit and Audit Trail](#) for more details.

Syslog

The Syslog Analysis application lets you centrally log and track system error messages from Cisco devices. Use logged error message data to analyze router and network performance.

Before you can use Syslog Analysis, you must configure your devices to forward messages either to the RME server directly or to a system on which you have installed a Syslog Analyzer Collector (SAC). The collector filters and forwards the messages to the RME server.

See [Syslog](#) for more details.

NetShow

The NetShow application enables you to define **show** commands within Command Sets and run these commands.

You can:

- Create or edit NetShow jobs, using the NetShow job browser. You can also copy, retry, stop, or delete jobs.
- Run a job immediately or schedule it to run at a specified time, once, or periodically.
- Create, edit, or delete user-defined Command Sets. You can also view the details of existing Command Sets.
- Access the stored output that is created from a NetShow job, using the Output Archive.
- Assign one or more Command Sets and Custom Command Execution privilege to one or more users.

See [NetShow](#) for more details.

SmartCase

Using SmartCase, you can open/query or update a case on Cisco.com.

To open/query or update a case on Cisco.com, go to **Resource Manager Essentials > Tools > SmartCase**.

Virtual Switching System Configuration

This Virtual Switch technology is implemented in Lan Management Solutions (LMS) by providing a Virtual Switching System Configuration Tool under Resource Manager Essentials (RME).

This GUI based conversion tool allows you to select two compatible standalone switches and guides you to convert those standalone switches into one Virtual Switching System.

See [Virtual Switching System Support](#) for more details.

Change Audit and Audit Trail

Change Audit tracks all changes discovered by the Inventory Manager, Software Manager, and Configuration Manager. Every time one of these applications detects a change, it sends a change record to the Change Audit Service, with details of who, when, and what type of change occurred.

Inventory changes include any changes to device information stored in the Inventory database, such as chassis, interfaces, and system information. Software Management changes include upgrades to new software image versions. Configuration Management changes include all changes made to configuration files on devices.

This includes changes made outside of RME tasks, detected by the Configuration Archive process, as well as changes made using RME functionality—NetConfig or Config Editor.

You can perform the following tasks using Change Audit and Audit Trail. See [Table 1-13](#):

Table 1-13 *Change Audit and Audit Trail Tasks*

Task	Launch Point
Schedule a daily, weekly, or monthly purge job for the Change Audit and Audit trail data.	Resource Manager Essentials > Admin > Change Audit > Set Purge Policy
Schedule a Forced Purge. This purges the Change Audit and Audit trail data immediately or only once.	Resource Manager Essentials > Admin > Change Audit > Force Purge
Define automated actions on creation of change audit record. You can also: <ul style="list-style-type: none"> • Creating an Automated Action • Editing an Automated Action • Enabling and Disabling an Automated Action • Exporting and Importing an Automated Action • Deleting an Automated Action 	Resource Manager Essentials > Tools > Change Audit > Automated Action
Define an exception period. You can also: <ul style="list-style-type: none"> • Creating an Exception Period • Editing an Exception Period • Enabling and Disabling an Exception Period • Deleting an Exception Period 	Resource Manager Essentials > Tools > Change Audit > Exception Period Definition
Generate Exception Period Report, 24 Hour Report and Standard Report.	Resource Manager Essentials > Reports > Report Generator. Select the Change Audit application and then select the report.
Generate Standard Audit Trail report	Resource Manager Essentials > Reports > Report Generator. Select the Audit Trail application and then select the report.

Syslog

This section describes the tasks that you can perform using Syslog Analyzer and Collector.

Syslog Tasks

You can perform the following tasks using Syslog Analyzer and Collector. See [Table 1-14](#):

Table 1-14 *Syslog Analyzer and Collector Tasks*

Task	Launch Point
Backup Syslog messages to a CSV (Comma Separated Values) file.	Resource Manager Essentials > Admin > Syslog > Set Backup Policy
Specify a default policy for the periodic purging of Syslog messages.	Resource Manager Essentials > Admin > Syslog > Set Purge Policy
Perform a forced purge of Syslog messages.	Resource Manager Essentials > Admin > Syslog > Force Purge

Table 1-14 Syslog Analyzer and Collector Tasks (continued)

Task	Launch Point
<ul style="list-style-type: none"> View the status of the Common Syslog Collector (to determine if the Collector is reachable or not, etc.) Subscribe/Unsubscribe to a Common Syslog Collector. 	Resource Manager Essentials > Tools > Syslog > Syslog Collector Status
<ul style="list-style-type: none"> Create automated actions to be executed automatically whenever Syslog Analyzer receives a specific message type. You can also, <ul style="list-style-type: none"> Edit an Automated action Enable and disable an Automated action Export and import an Automated action Delete an Automated action 	Resource Manager Essentials > Tools > Syslog > Automated Actions
<ul style="list-style-type: none"> Create filters to exclude certain types of Syslog messages from Syslog Analyzer. Manage filters. 	Resource Manager Essentials > Tools > Syslog > Message Filters
Create and manage Syslog custom templates.	Resource Manager Essentials > Reports > Custom Report Templates
<p>Create and manage these Syslog reports:</p> <ul style="list-style-type: none"> 24 Hour Report Custom Summary Report Severity Level Summary report Standard Report Unexpected Device Report 	Resource Manager Essentials > Reports > Report Generator. Select the Syslog application and then select the report.

NetShow

This section lists the features and tasks in the Netshow application.

NetShow Tasks

You can perform the following tasks using NetShow. See [Table 1-15](#):

Table 1-15 NetShow Tasks

Tasks	Launch Points
<p>Create or edit NetShow jobs, using the NetShow job browser. You can also copy, retry, stop, or delete jobs.</p> <p>You can run a job immediately or schedule it to run at a specified time, once, or periodically.</p>	Resource Manager Essentials> Tools> NetShow> NetShow Jobs
Access the stored output that is created from a NetShow job using Output Archive.	Resource Manager Essentials> Tools> NetShow> Output Archive

Table 1-15 **NetShow Tasks**

Tasks	Launch Points
Create, edit, or delete user-defined Command Sets. You can also view the details of existing Command Sets.	Resource Manager Essentials> Tools> NetShow> Command Sets
Assign Command Sets to users. You can assign one or more Command Sets and Custom Command Execution privilege to one or more users.	Resource Manager Essentials> Tools> NetShow> Assigning Command Sets

Admin (Tab)

From this tab, you can perform all RME application administrative tasks such as,

- Set up the backup and purge policies for RME applications.
- Schedule the inventory collection and polling of the devices.
- Define job approval policies.
- Define the upgrade preference for the software image management.
- Set up the Configuration Management job policies
- Automatically manage devices when they are added to DCR.
- Verify credentials of devices when they are added to RME.

In addition to the RME application's administrative tasks you can perform the following tasks. See table [Table 1-16](#):

Table 1-16 **Admin Tasks**

Task	Launch Point
Specify log level settings for all RME applications, or individually.	Resource Manager Essentials > Admin > System Preferences > Loglevel Settings
Schedule, enable or disable purge jobs for RME jobs.	Resource Manager Essentials > Admin > System Preferences > Job Purge
Set the default values for device attributes. These values are applicable to all devices in RME.	Resource Manager Essentials > Admin > System Preferences > RME Device Attributes
Set the Secondary Credentials fall back	Resource Manager Essentials > Admin > System Preferences > RME Secondary Credentials
Configure the receipt of Trap messages by all the hosts present in the same subnet connected to RME on Inventory Collection or Config Fetch failure.	Resource Manager Essentials > Admin > System Preferences > Collection Failure Notification

cwcli Framework

cwcli Framework is a command-line interface through which application related functionality is provided.

The framework takes care of the following activities for the applications:

- Parsing the command line for the applications.
- Easy logging and messaging capabilities.
- Authentication and authorization for individual applications.
- Remote access support.

cwcli Framework commands

The following are the five main commands of cwcli Framework:

```
cwcli config
cwcli export
cwcli inventory
cwcli invreport
cwcli netconfig
cwcli netshow
```

See [CLI Utilities](#) for more details.

RME Device Center

Device Center provides a device-centric view for CiscoWorks applications. Device Center is a one-stop place where you can see a quick snapshot summary for a selected device. You can also access various tools, generate reports and perform tasks on the device. You can use Device Center to troubleshoot the device.

From CiscoWorks LMS Portal home page, select **Device Troubleshooting > Device Center** to launch Device Center.

You can perform the following RME tasks using Device Center:

- [Summary Pane](#)
- [Tools](#)
- [Reports](#)
- [Management Tasks](#)

Summary Pane

- 24-hour Change Audit Summary

Displays the changes made in the past 24 hours from the data stored in the Change Audit log.

Click on the number to launch the Change Audit Standard Report.

See [Generating 24 Hours and Standard Change Audit Reports](#) for further details.

- Inventory Last Collected Time

Viewing the latest inventory collection status. You can check the time at which inventory was last collected.

If there is no inventory collection, then a message appears, `No inventory collected yet.`

- Configuration Last Archived Time

Viewing the latest configuration archived details using the Details link in the Summary (Configuration Last Archived Time) pane

You can check the time at which configuration was last archived. On clicking the Details link, you can view the differences between the two latest archived running configuration version.

The Details link appears only if there are two versions of archived running configurations.

If the configuration is not archived, then a message appears, `No configuration archived yet.`

See [Understanding the Config Diff Viewer Window](#) for further details.

- 24-hour Syslog Message Summary

Displays the number of Syslog messages based on the severity that are logged in the past 24 hours.

- Emergencies—Severity level 0
- Alerts—Severity level 1
- Critical—Severity level 2
- Errors—Severity level 3
- Warnings—Severity level 4
- Notifications—Severity level 5
- Informational—Severity level 6

Click on the number to launch the Syslog severity report.

See [Generating a Standard Report](#) for further details.

Tools

- Edit Device Credentials

You can edit the device credentials in the Device and Credential Repository.

For further information, see section Editing Device Credentials in the User Guide for CiscoWorks Common Services Software at:

http://www.cisco.com/en/US/products/sw/cscowork/ps3996/products_user_guide_list.html

Reports

- Change Audit Report

You can generate a Change Audit Standard Report for the device. The Change Audit Standard Report displays all changes that have been logged for the device.

See [Generating 24 Hours and Standard Change Audit Reports](#) for further information.

- Credential Verification Report

You can generate a Credential Verification Report for the device.

If there are no credentials to verify a message appears, `None of the devices have credential verification data.` Click on the Check Device Credential link under Management Tasks and then click on Credential Verification Report link under Reports.

If you had a run a verification report earlier for this device, then this report is displayed.

See [Checking and Viewing Device Credentials](#) for further details.

- Detailed Device Report
You can generate a device inventory Detailed Device Report.
See [Generating a Detailed Device Report](#).
- Syslog Messages Report
You can generate a Syslog Analyzer Standard Report for the device. The Syslog Analyzer Standard Report displays all Syslog messages that have been logged for the device.
See [Generating a Standard Report](#) for further details.

Management Tasks

- Add Images to Software Repository
You can add software images from the device to the software repository. You can create an immediate image import from device job for the selected device.
You can check the status of your Image Import (from Device) job by selecting **Resource Manager Essentials > Software Mgmt > Software Mgmt Jobs**.
See [Adding Images to the Software Repository From Devices](#) for further details.
- Analyze using Cisco.com Image
You can determine the impact and prerequisites for a new software deployment using images that reside in Cisco.com.
See [Planning an Upgrade From Cisco.com](#) for further details.
- Analyze using Repository Image
You can determine the impact and prerequisites for a new software deployment using images that reside in Software Repository.
See [Planning an Upgrade From Repository](#) for further details.
- Check Device Credential
You have to use this link to trigger the verification process for device credential.
After performing this task, you should click Credential Verification Report to view the check device credential result.
See [Checking and Viewing Device Credentials](#) for further details.
- Distribute Images
You can perform a device-centric image distribution. You can create an immediate job to distribute the image.
You can check the status of your Image Distribution job by selecting **Resource Manager Essentials > Software Mgmt > Software Mgmt Jobs**.
See [Distributing by Devices \[Basic\]](#) for further details.
- Edit Config
You can edit the device configuration using Config Editor.
See [Working With the Configuration Editor](#) for further details.

- Sync Archive

You can update the archive. You can create an immediate job to update the configuration archive for the selected device.

You can check the status of your Sync Archive job by selecting **Resource Manager Essentials > Config Mgmt > Archive Mgmt > Archive Mgmt Jobs**.

See [Scheduling Sync Archive Job](#) for further details.
- Update Inventory

You can update the device inventory. You can create an immediate job to collect the Inventory for the selected device.

You can check the status of the Inventory Collection job by selecting **Resource Manager Essentials > Devices > Inventory > Inventory Jobs**.

See [Collecting and Updating Inventory Data](#) for further details.
- View Config

You can view the device configuration. You can create an immediate job to deploy the version of configuration being viewed on the device.

See [Understanding the Config Viewer Window](#) for further details.
- View Pending Jobs

You can view the pending jobs that are scheduled on the device.

You cannot view the system-defined jobs, such as Default config polling job, Default config collection job, etc.

PSIRT/End of Sale/End of Life Reports

You can use PSIRT, End of Sale and End of Life information to generate PSIRT or End of Sale or End of Life reports. These reports can be generated based on the data available from Cisco.com or local xml file store.

See [Usage of PSIRT End of Sale and End of Life Data to Generate Reports](#) for further details.

RME Process and the Dependency Processes

Table 1-17 lists the Common Services and RME processes and their dependency processes.

If you are stopping or restarting any of the Common Services or RME processes you must stop and restart their dependency processes. You can stop and restart the process using (**Common Services > Admin > Process**).

Table 1-17 RME 4.2 Process and the Dependency Processes

Process Name	Dependency (Sequential)	Description
RMEDbEngine	None	System service: the database engine for RME applications.
ConfigMgmtServer	EssentialsDM	Configuration Management service performs the following tasks, <ul style="list-style-type: none"> • Collects the configuration for the RME managed devices on request from jobs/user Interface. • Archives new version if a change exists between fetched configuration and latest configuration in archive. • Parses the configuration based on configlet rules and generates differences between the configurations. • Logs change record for every new version of archived running configuration. • Detects config changes on the device and triggers configuration collection • Cache the device and NetConfig template mapping information. • Populates the database with NetShow system-defined command sets and NetShow commands by retaining them from device packages.
RMEOGSServer	<ol style="list-style-type: none"> 1. CmfDbMonitor 2. ESS 3. EssentialsDM 	RME group administration service. This is used for managing RME device groups. It is also used for RME device selector.
SyslogCollector	ESS	Filters and sends the syslog objects to various SyslogAnalyzer service subscribed to it.
EssentialsDM	<ol style="list-style-type: none"> 1. ESS 2. DCRServer 3. RMEDbEngine 	<p>It publishes a dummy Common Services Transport Mechanism (CSTM) service name to synchronize publishing of service names with CSTM.</p> <p>All other RME services that publish service names with CSTM are made dependant on this service either directly or indirectly.</p> <p>After adding devices to RME, this service triggers for Inventory and Configuration collection.</p> <p>System service that monitors the accessibility of the RME database engine, which helps to ensure that the system is not started until the database engine is ready.</p>
CTMJrmServer	<ol style="list-style-type: none"> 1. EssentialsDM 2. jrm 3. Tomcat 	This service is a proxy to JRM service. This is used by RME application to connect to JRM service. It hides all the direct interaction with JRM.

Table 1-17 RME 4.2 Process and the Dependency Processes (continued)

Process Name	Dependency (Sequential)	Description
ChangeAudit	<ol style="list-style-type: none"> 1. EssentialsDM 2. CTMJrmServer 3. jrm 	Change Audit program that provides back-end database services for applications that want to log network changes and for Change Audit reports and Automated actions
ICServer	<ol style="list-style-type: none"> 1. ESS 2. CTMJrmServer 	<p>This is a service that collects and stores Inventory information from the device using SNMP.</p> <p>It also detects changes that occurred between the last time Inventory was collected for a device, and the current Inventory collection.</p>
SyslogAnalyzer	<ol style="list-style-type: none"> 1. ESS 2. EssentialsDM 3. CTMJrmServer 4. jrm 	<p>It takes the filter definition from the user and sends it to the various Syslog Collectors it is subscribed to.</p> <p>Receives the syslogs from the Syslog collector and inserts into database and also takes automated actions from the user.</p>

Shortcut Links

You can add shortcuts to frequently used RME links in the CiscoWorks LMS Portal home page. Use these shortcuts to run frequently used tasks/functions.

You can register a URL and add it to either Third Party or Custom Tool menu item to the right of CiscoWorks LMS Portal home page.

For more information on Registering Links With CiscoWorks LMS Portal home page refer to the CiscoWorks Common Services User Guide. To access this, go to:

http://www.cisco.com/en/US/products/sw/cscowork/ps3996/products_user_guide_list.html

The additional shortcuts provided in RME are given below.



Note

Since some of the URL are long, they are not displayed in a single line in the table. However in the browser the link should be specified in a single line. Hence ensure that the link is displayed appropriately.

For example: Under Reports section, the link for 24 Hour Inventory Change Report is displayed as below:

`http://RME Server Name:Port No/rme/CriReportGenerator.do
appName%3DInventory%26reportName%3D24+Hour+Inventory`

Where *RME Server Name* is the name of the RME server and *Port No* is the port assigned for RME.

■ Shortcut Links

Function / Task	URL
Device Management	
Add a device into DCR	http://Ciscoworks Server Name:Port No/rme/cwhp/dcr.device.management.do
RME Device Management	http://RME Server Name:Port No/rme/deviceSummary.do
Normal	http://RME Server Name:Port No/rme/normaldevices.do
Pending	http://RME Server Name:Port No/rme/pendingdevices.do
Pre-deployed	http://RME Server Name:Port No/rme/predepdevices.do
Suspended	http://RME Server Name:Port No/rme/suspendeddevices.do
Alias	http://RME Server Name:Port No/rme/aliasdevices.do
Conflicting	http://RME Server Name:Port No/rme/conflictingdevices.do
Check Device Credentials	
Check Device Credentials	http://RME Server Name:Port No/rme/cdajobs.do
RME Group Management	http://RME Server Name:Port No/rme/ogsMainSetup.do
Reports	
Inventory Reports	
24 Hour Inventory Change Report	http://RME Server Name:Port No/rme/CriReportGenerator.do%3FappName%3DInventory%26reportName%3D24+Hour+Inventory
Hardware Report	http://RME Server Name:Port No/rme/CriReportGenerator.do%3FappName%3DInventory%26reportName%3DHardware+Report
Software Report	http://RME Server Name:Port No/rme/CriReportGenerator.do%3FappName%3DInventory%26reportName%3DSoftware+Report
Chassis Summary Graph	http://RME Server Name:Port No/rme/CriReportGenerator.do%3FappName%3DInventory%26reportName%3DChassis+Summary+Graph
Detailed Device Report	http://RME Server Name:Port No/rme/CriReportGenerator.do%3FappName%3DInventory%26reportName%3DDetailed+Device+Report
Custom Templates	http://RME Server Name:Port No/rme/CriCrtm.do
Syslog Reports	
24 Hour Report	http://RME Server Name:Port No/rme/CriReportGenerator.do%3FappName%3DSyslog%26reportName%3D24+Hour+Report
Standard Report	http://RME Server Name:Port No/rme/CriReportGenerator.do%3FappName%3DSyslog%26reportName%3DStandard+Report
Severity Level Summary Report	http://RME Server Name:Port No/rme/rme/CriReportGenerator.do%3FappName%3DSyslog%26reportName%3DSeverity+Level+Summary+Report
Custom Templates	http://RME Server Name:Port No/rme/CriCrtm.do

Function / Task	URL
Change Audit Reports	
24 Hour Change Report	http://RME Server Name:Port No/rme/CriReportGenerator.do%3FappName%3DChange+Audit%26reportName%3D24+Hour+Report
Standard Report	http://RME Server Name:Port No/rme/CriReportGenerator.do%3FappName%3DChange+Audit%26reportName%3DStandard+Report
Exception Period Change Report	http://RME Server Name:Port No/rme/CriReportGenerator.do%3FappName%3DChange+Audit%26reportName%3DException+Period+Report
Reports Archive	http://RME Server Name:Port No/rme/CriReportArchive.do
Reports Job Browser	http://RME Server Name:Port No/rme/CriReportJob.do
Software Image Management	
Software Image Management	http://RME Server Name:Port No/rme/swimDefault.do
Image Repository	http://RME Server Name:Port No/rme/SwimSlimAction.do
Image Distribution	http://RME Server Name:Port No/rme/SwimDistributionAction.do
Jobs	http://RME Server Name:Port No/rme/SwimJobMgmtAction.do
Inventory	
Inventory Collection Status	http://RME Server Name:Port No/rme/InventoryDefault.do
Inventory Collected	http://RME Server Name:Port No/rme/InventoryCollectionSummary.do%3Faction%3Dcollected
Inventory Never Collected	http://RME Server Name:Port No/rme/InventoryCollectionSummary.do%3Faction%3DneverCollected
Jobs	http://RME Server Name:Port No/rme/ICSJobBrowser.do
Configuration	
Configuration	http://RME Server Name:Port No/rme/configurationDefault.do
Archive Mgmt	
Archive Mgmt	http://RME Server Name:Port No/rme/DcmaArchiveSummary.do
Collection Status	http://RME Server Name:Port No/rme/DcmaArchiveSummary.do
Successful	http://RME Server Name:Port No/rme/DcmaArchiveSummary.do%3Faction%3DSuccess
Failed	http://RME Server Name:Port No/rme/DcmaArchiveSummary.do%3Faction%3DFailed
Partial	http://RME Server Name:Port No/rme/DcmaArchiveSummary.do%3Faction%3DPartial
Sync Archive	http://RME Server Name:Port No/rme/DcmaSyncArchive.do
Out of Sync Summary	http://RME Server Name:Port No/rme/DcmaOutOfSync.do
Version Tree	http://RME Server Name:Port No/rme/DcmaVersionTree.do
Version Summary	http://RME Server Name:Port No/rme/DcmaVersionSummary.do
Search Archive	http://RME Server Name:Port No/rme/rme/DCMASearchArchive.do
Compare Configurations	http://RME Server Name:Port No/rme/DcmaCompareConfig.do
Label Configs	http://RME Server Name:Port No/rme/DcmaLabelConfig.do

■ Shortcut Links

Function / Task	URL
Baseline functions	http://RME Server Name:Port No/rme/DCMABaseLineConfig.do
Jobs	http://RME Server Name:Port No/rme/DcmaJobBrowser.do
Config Editor	
Config Editor	http://RME Server Name:Port No/rme/CfgEditStart.do
Config Files	http://RME Server Name:Port No/rme/CfgEditOpenConfigMain.do
Private Configs	http://RME Server Name:Port No/rme/CfgEditModifiedConfig.do
Public Configs	http://RME Server Name:Port No/rme/CfgEditUserConfig.do
Jobs/Create Job	http://RME Server Name:Port No/rme/CfgEditJobBrowser.do
Netconfig	
Netconfig	http://RME Server Name:Port No/rme/netconfigstart.do
User-defined Tasks	http://RME Server Name:Port No/rme/CreateUDT.do
Assign Tasks	http://RME Server Name:Port No/rme/assignTask.do
Jobs/Create Job	http://RME Server Name:Port No/rme/ncfgJobBrowser.do
GOLD	http://RME Server Name:Port No/rme/ncfgJobBrowser.do%3Faction=Create%26tasks=Gold%20Boot%20Level,Gold%20Monitoring%20Test
EEM	http://RME Server Name:Port No/rme/ncfgJobBrowser.do%3Faction=Create%26tasks=Embedded%20Event%20Manager,Environmental%20Variables
Smart Call Home	http://RME Server Name:Port No/rme/ncfgJobBrowser.do%3Faction=Create%26tasks=Smart%20Call%20Home
Tools	
Tools	http://RME Server Name:Port No/rme/toolsDefault.do
Netshow	
Netshow	http://RME Server Name:Port No/rme/NetshowStart.do
CommandSets	http://RME Server Name:Port No/rme/NetshowCommandSets.do
Output Archive	http://RME Server Name:Port No/rme/NetshowOutputArchives.do
Assigning Commandsets	http://RME Server Name:Port No/rme/NetshowAssignCommandSets.do
Jobs/Create Job	http://RME Server Name:Port No/rme/NetshowJobBrowser.do
Change Audit	
Change Audit	http://RME Server Name:Port No/rme/ChangeAuditTools.do
Automated Actions	http://RME Server Name:Port No/rme/ChangeAuditAutomatedAction.do
Exception Periods	http://RME Server Name:Port No/rme/ChangeAuditExceptionPeriod.do
Syslog	
Syslog	http://RME Server Name:Port No/rme/SyslogTools.do
Collector Status	http://RME Server Name:Port No/rme/SyslogCollectorStatus.do
Automated Actions	http://RME Server Name:Port No/rme/SyslogAutomatedAction.do
Message Filters	http://RME Server Name:Port No/rme/SyslogMessageFilter.do

Function / Task	URL
SmartCase	
SmartCase	http://RME Server Name:Port No/rme/scOpenCase.do
Administration	
Administration	http://RME Server Name:Port No/rme/adminDefault.do
Approver Settings	
Approver Settings	http://RME Server Name:Port No/rme/approvalDefault.do
Approver Details	http://RME Server Name:Port No/rme/approvalDefault.do
Create/Edit Approver Lists	http://RME Server Name:Port No/rme/editL.do
Assigning Approver Lists	http://RME Server Name:Port No/rme/assign.do
Approver Policy	http://RME Server Name:Port No/rme/preferences.do
Change Audit Settings	
Change Audit Settings	http://RME Server Name:Port No/rme/ChangeAuditAdmin.do
Set Purge Policy	http://RME Server Name:Port No/rme/ChangeAuditPurge.do
Force Purge Policy	http://RME Server Name:Port No/rme/ChangeAuditPurgeNow.do
Config Change Filter	http://RME Server Name:Port No/rme/DcmaChangeAuditFilter.do
Config Mgmt Settings	
Config Mgmt Settings	http://RME Server Name:Port No/rme/adminConfigManagement.do
Transport Settings	http://RME Server Name:Port No/rme/DcmaTransportSettings.do
Archive Mgmt Settings	http://RME Server Name:Port No/rme/adminArchiveManagement.do
Config Editor Settings	http://RME Server Name:Port No/rme/CfgEditPreferencesSetup.do
Config Job Policies	http://RME Server Name:Port No/rme/SavePolicies.do
Device Management Settings	
Device Management Settings	http://RME Server Name:Port No/rme/adminDeviceManagement.do
Enable Auto management	http://RME Server Name:Port No/rme/dmsettings.do
Verify credential on device addition	http://RME Server Name:Port No/rme/dmsettings.do
Credential verification Settings	http://RME Server Name:Port No/rme/rmeccdasettings.do
Inventory Settings	
Inventory Settings	http://RME Server Name:Port No/rme/AdminInventoryDefault.do
Inventory Change Filter	http://RME Server Name:Port No/rme/ICSSChangeFilter.do
System Job Scheduling	http://RME Server Name:Port No/rme/ICSSystemJobSchedule.do
SWIM Settings	
SWIM Settings	http://RME Server Name:Port No/rme/SwimAdmin.do
Preferences	http://RME Server Name:Port No/rme/SwimAdminAction.do
Upgrade Knowledge base	http://RME Server Name:Port No/rme/SwimKBUpgradeAction.do

Function / Task	URL
Syslog Settings	
Syslog Settings	http://RME Server Name:Port No/rme/SyslogAdmin.do
Backup Policy	http://RME Server Name:Port No/rme/SyslogBackupConf.do
Purge Policy	http://RME Server Name:Port No/rme/SyslogPurge.do
Force Purge	http://RME Server Name:Port No/rme/SyslogPurgeNow.do
System Preferences	
System Preferences	http://RME Server Name:Port No/rme/systemPrefDefault.do
Loglevel Settings	http://RME Server Name:Port No/rme/rmeLoglevel.do
Purge Jobs	http://RME Server Name:Port No/rme/rmeJobPurge.do
Change RME Device Attribute	http://RME Server Name:Port No/rme/rmecustomfields.do
RME Job Mgmt	
RME Job Mgmt	http://RME Server Name:Port No/rme/rmeJobDflt.do
Jobs Pending for Approval	http://RME Server Name:Port No/rme/jobs.do
All RME Jobs	http://RME Server Name:Port No/rme/JobMgmtAction.do