



## Using LMS Setup Center

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LMS Setup Center is part of CiscoWorks LAN Management Solution bundle. The LMS Setup Center is a centralized area that displays the LMS System configurations. The LMS Setup Center also allows you to configure the necessary server settings, immediately after installing LMS Software.

You can configure the System Settings, Security Settings, Data Collection Settings, Data Collection Schedule and Data Purge Schedule of all applications in LMS Bundle. If an application is not installed, the corresponding entries will not be available in LMS Setup Center.

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## Categories in LMS Setup Center

The configurations in LMS Setup Center are grouped into the following categories:

- System Settings —The configurations that the system needs to function. For example, Backup Schedule and SMTP Server
- Security Settings — The Security related settings for the product. For example, Single Sign On and Authentication Mode
- Data Collection Settings — The settings necessary for collecting data from the devices. For example, SNMP Timeout and Seed Devices.
- Data Collection Schedule — The Schedule settings for collecting the data from the server. For example: CM Data Collection Schedule and Inventory Polling Schedule.
- Data Purge Schedule — The configurations that are necessary for the device to purge data. For example: Syslog Purge and Number Of Configurations To Keep

The settings specific to all applications including Common Services, Resource Manager Essentials, Campus Manager and Device Fault Management are grouped within these five categories, and enables you to configure them in a common space. If an application is not installed, the corresponding entries will not be available.

## Launching LMS Setup Center

The LMS Setup Center is part of the LMS Bundle.

To launch the LMS Setup Center, go to the CiscoWorks Homepage and click **LMS Setup Center**. The LMS Setup Center link is enabled only if the LMS license is detected on the system.

The LMS Setup Center has the following tabs:

- System Settings
- Security Settings
- Data Collection Settings
- Data Collection Schedule
- Data Purge Schedule

The LMS Setup Center displays the value of a setting for all application entries in the respective pages. You can use the Refresh icon to reload the latest values for the settings.

The LMS Setup Center also provides the necessary links to configure the settings. The Edit icon displayed for each setting will take you to the respective application page to configure the settings.

# System Settings

This category lists the configurations that are necessary for the system to function.

The System Settings specific to all the applications are grouped under this category. If a CiscoWorks application is not installed, the corresponding entries will not be displayed.

To launch the System Settings page, click the System Settings tab from the LMS Setup Center application.

The System Settings page displays the name of the settings, their value and brief description. Each entry has an Edit icon. When you click the Edit icon for a specific System Setting, the corresponding Settings page opens.

**Table 7-1 Fields in System Settings Page**

Setting	Value	Edit Icon points to ...
CiscoWorks Homepage Server Name	Displays the name of the CiscoWorks Homepage server.	Home Page Settings page (Common Services > Home Page > Settings)
SMTP Server	Displays the name of SMTP Gateway server for sending e-mails out of CiscoWorks Homepage server	System Preferences page (Common Services > Server > Admin > System Preferences)
CiscoWorks E-mail ID	Displays the address of the sender in all e-mails originating from the system	System Preferences page (Common Services > Server > Admin > System Preferences)
Backup Schedule	Displays the Schedule details for backing up data and configuration	Backup Job page (Common Services > Server > Admin > Backup)
License Status	Displays the status of the license. If the CiscoWorks software installed is an evaluation copy, this displays the licensing expiry date and time.  The evaluation copy expires after 90 days from the date of installation.	License Information page (Common Services > Server > Admin > Licensing)
DFM Default SMTP Server	Displays the name of the SMTP Server. This SMTP server is used by default when you add or edit subscriptions for e-mail notifications. It is also used when you send e-mail notifications from the Alerts and Activities display.	Notifications Services page (Device Fault Manager > Configuration > Other Configurations > SMTP Default Server)

**Table 7-1** *Fields in System Settings Page*

Setting	Value	Edit Icon points to ...
DFM Notification Service	Prompts you to customize event names and manage DFM notifications in the Notifications Services page	Notifications Services page (Device Fault Manager > Notifications Services )
DFM SNMP Configuration	Displays the SNMP timeout value (in seconds) and number of times of retry to contact the device when SNMP query does not respond in time.  The SNMP timeout and retries are global SNMP settings in DFM. If an SNMP query does not respond in time, DFM will time out. It will retry contacting the device for as many times as displayed.	Modify SNMP Configuration page (Device Fault Manager > Device Management > SNMP Config)

## Security Settings

The security related configurations of all CiscoWorks applications are grouped under this category. If a CiscoWorks application is not installed, then the corresponding entries will not be displayed.

To launch the Security Settings page, click the Security Settings tab from the LMS Setup Center application.

The Security Settings page displays the name of the settings, their value and brief description. Each entry has an Edit icon. When you click the Edit icon for a specific Security setting, the corresponding Security Settings page opens.

**Table 7-2** *Fields in Security Settings Page*

Setting	Value	Edit Icon points to ...
Server Certificate	Displays the status of the Server certificate, and the date and time of expiry of Server Certificate.  Common Services by default uses Self-signed Security Certificates. You can use these certificates to enable SSL connections between the client browser and the management server.	Certificate Setup page (Common Services > Server > Security > Single-Server Management > Certificate Setup)
Browser-Server Security Mode	Displays whether the Browser-Server security mode is enabled or disabled.  Select HTTPS to establish secure communications between the browser and the server Otherwise, only logins are secure	Browser-Server Security Mode Setup page (Common Services > Server > Security > Single-Server Management > Browser-Server Security Mode Setup)

**Table 7-2** *Fields in Security Settings Page*

<b>Setting</b>	<b>Value</b>	<b>Edit Icon points to ...</b>
System Identity User	Displays the name of the System Identity User.  This name is used as the default identity for the system while it communicates with peer CiscoWorks servers.	System Identity Setup page (Common Services > Server > Security > Multi-Server Trust Management > System Identity Setup)
Authentication Mode	Displays the mode selected to authenticate the Common Services server, when logging into the CiscoWorks application.  There are several pluggable authentication modules to authenticate users to the applications.	AAA Mode Setup page (Common Services > Server > Security > AAA Mode Setup)
Authorization Mode	Displays the mode selected to authorize the user immediately after authentication. The Authorization services can be provided by ACS or non-ACS (CiscoWorks local) servers.	AAA Mode Setup page (Common Services > Server > Security > AAA Mode Setup)
Number of Users	Displays the number of local users available in the system.	Local User Setup page (Common Services > Server > Security > Single-Server Management > Local User Setup)
Internet Proxy Setup	Displays the Proxy Server details used to connect to the external networks.	Server Setup page (Common Services > Server > Security > Cisco.com Connection Management > Proxy Server Setup)
RCP Username	Displays the trusted username for RCP communications between the server and the network devices.	System Preferences page (Common Services > Server > Admin > System Preferences)
Single Sign On Mode	Displays the configured Single-Sign-On mode of the system. The system can be configured in Master, Slave or Standalone mode.  Single Sign On mode is used to transparently navigate to multiple servers without authenticating them individually.	Single Sign-On Setup page (Common Services > Server > Security > Multi-Server Trust Management > Single Sign-On Setup)

# Data Collection Settings

This category lists the settings to collect the data from the devices. The Data Collection settings specific to all CiscoWorks applications are displayed here. If an application is not installed, the corresponding entries will not be displayed.

To launch the Data Collection Settings page, click the Data Collection Settings tab from the LMS Setup Center application.

The Data Collection Settings page displays the name of the settings, their value and brief description. Each entry has an Edit icon. When you click the Edit icon for a specific Data Collection setting, the corresponding Data Collection Settings page opens

**Table 7-3** Fields in Data Collection Settings Page

Setting	Value	Edit Icon points to ...
Network Device Discovery SNMP Settings	Displays whether the Device Discovery SNMP settings is configured. This setting is required for determining the devices to be discovered from the network.	SNMP Settings page (Campus Manager > Administration > Admin > Device Discovery > SNMP Settings)
Network Device Discovery Settings	Displays whether the seed device used to discover the network, is configured	Device Discovery Settings page (Campus Manager > Administration > Admin > Device Discovery > Discovery Settings)
Topology Data Collection SNMP Timeout	Displays whether the Data Collection SNMP setting is configured.	SNMP Timeouts and Retries page (Campus Manager > Administration > Admin > Campus Data Collection > SNMP Timeouts and Retries)
Topology Data Collection Filter	Displays whether the Data collection filters setting is configured. This is required to limit the Data collection to a subset of devices.	Data Collection Filters page (Campus Manager > Administration > Admin > Campus Data Collection > Data Collection Filters page)
Network Discrepancies	Displays the number of Network Discrepancies.  You can customize the Discrepancy Report to display only the discrepancies that you want to be notified about.	Network Discrepancy page (Campus Manager > Administration > Admin > Network Discrepancy)
UT Acquisition Settings	Displays whether the User Tracking Acquisition settings are configured.	Acquisition Settings page (Campus Manager > User Tracking > Admin > Acquisitions > Acquisition Settings)
DCR Mode	Displays the mode of operation of DCR. DCR can operate on either a Standalone or a Master - Slave mode.	Mode Settings page (Common Services > Device and Credentials > Admin > Mode Settings)
Image Transfer Protocol Order	Displays the order of supported Image Transfer Protocols	View/Edit Software Management Preferences page (Resource Manager Essentials > Admin > Software Mgmt)

**Table 7-3** *Fields in Data Collection Settings Page*

<b>Setting</b>	<b>Value</b>	<b>Edit Icon points to ...</b>
Config Fetch Transport Settings - Archive Management	Displays the order of Transport Protocols to fetch configurations in Archive Management	Transport Settings page (Resource Manager Essentials > Admin > Config Mgmt)  Refer to the Config Fetch section in the Transport Settings page.
Config Download Transport Settings - Archive Management	Displays the order of Transport protocols for configuration download in Archive Management	Transport Settings page (Resource Manager Essentials > Admin > Config Mgmt)  Refer to the Config Deploy section in the Transport Settings page.
RME Device Attributes	Displays the timeout settings for various protocols in RME	RME Device Attributes page (Resource Manager Essentials > Admin > System Preferences)
DFM Rediscover Schedule	Prompts you to customize the settings in the Rediscovery Schedule page to discover the configuration of the devices and verify their manageable elements in Inventory.	Rediscovery Schedule page (Device Fault Manager > Configuration >Other Configurations > Rediscovery Schedule)
DFM SNMP Trap Forwarding	Prompts you to customize the settings in the Notifications Services page to manage SNMP trap forwarding.  DFM forwards SNMP traps from devices in the DFM inventory to the specified host on configured ports.	Notification Services page (Device Fault Manager > Configuration >Other Configurations > SNMP Trap Forwarding)
DFM Polling and Threshold	Prompts you to customize the settings in the Configurations page to manage DFM Polling and Threshold.  DFM Polling and Threshold function creates its own corresponding groups based on Common Services and DFM groups.	Configurations page (Device Fault Manager > Configuration > Polling and Thresholds)

# Data Collection Schedule

This category lists the schedule settings for the server for data collection. The Data Collection Schedule settings for all CiscoWorks applications are under this category. If a CiscoWorks application is not installed, the corresponding entries will not be displayed.

To launch the Data Collection Schedule page, click the Data Collection Schedule tab from the LMS Setup Center application.

The Data Collection Schedule page displays the name of the settings, their value and brief description. Each entry has an Edit icon. When you click the Edit icon for a specific Data Collection Schedule setting, the corresponding configuration page opens

**Table 7-4** Fields in Data Collection Schedule Page

Setting	Value	Edit Icon points to ...
DeviceDiscovery Schedule Settings	Displays whether the Device Discovery Schedule settings are configured.	Schedule Discovery page (Campus Manager > Administration > Admin > Device Discovery > Schedule Discovery)
Data Collection Schedule Settings	Displays whether the Data Collection Schedule settings are configured.	Schedule Data Collection page (Campus Manager > Administration > Admin > Campus Data Collection > Schedule Data Collection)
UT Schedule Settings	Displays whether the User Tracking Acquisition settings are configured.	Schedule Acquisition page (Campus Manager > User Tracking > Admin > Acquisition > Schedule Acquisition)
Device Config Polling Schedule	Displays whether the schedule for Periodic polling job is available to collect device configurations.  When the schedule is available, this field displays the date, time and frequency of the schedule.	Config Collection Settings page (Resource Manager Essentials > Admin > Config Mgmt > Archive Mgmt > Collection Settings)
Device Config Collection Schedule	Displays whether the schedule for Config Collection is available to collect device configurations.  When the schedule is available, this field displays the date, time and frequency of the schedule.	Config Collection Settings page (Resource Manager Essentials > Admin > Config Mgmt > Archive Mgmt > Collection Settings)

**Table 7-4** *Fields in Data Collection Schedule Page*

Setting	Value	Edit Icon points to ...
Device Inventory Polling Schedule	Displays whether the schedule for Device Inventory Polling job is available to poll devices and update the inventory database.  When the schedule is available, this field displays the date, time and frequency of the schedule.	System Job Schedule page (Resource Manager Essentials > Admin > Inventory > System Job Schedule)
Device Inventory Collection Schedule	Displays whether the schedule for Periodic inventory collection job is available to collect inventory data.  When the schedule is available, this field displays the date, time and frequency of the schedule.	System Job Schedule page (Resource Manager Essentials > Admin > Inventory > System Job Schedule)

## Data Purge Schedule

This category lists the configurations for the device to purge data. The Data Purge settings specific to all CiscoWorks applications are under this category. If an CiscoWorks application is not installed, the corresponding entries will not be displayed.

To launch the Data Purge Schedule page, click the Data Purge Schedule tab from the LMS Setup Center application.

The Data Purge Settings page displays the name of the settings, their value and brief description. Each entry is accompanied by an Edit icon. When you click the Edit icon for a specific Data Purge schedule, the corresponding configuration page opens.

**Table 7-5** *Fields in Data Purge Schedule Page*

Setting	Value	Edit Icon points to ...
User Tracking End Host Delete Interval Settings (in minutes)	Displays the interval settings (in minutes) to delete entries from the End Host table.	Delete Interval page (Campus Manager > User Tracking > Admin > Acquisition > Delete Interval)
User Tracking IP Phone Delete Interval Settings (in minutes)	Displays the interval (in minutes) to delete entries from the IP table.	Delete Interval page (Campus Manager > User Tracking > Admin > Acquisition > Delete Interval)
User Tracking Purge Job Settings (in days)	Displays the interval (in days) at which old jobs are to be purged.	User Tracking Purge Policy (Campus Manager > User Tracking > Admin > Reports > User Tracking Purge Policy)
User Tracking Purge Archive Settings (in days)	Displays the interval (in days) at which old reports are to be purged.	User Tracking Purge Policy (Campus Manager > User Tracking > Admin > Reports > User Tracking Purge Policy)

**Table 7-5** *Fields in Data Purge Schedule Page*

<b>Setting</b>	<b>Value</b>	<b>Edit Icon points to ...</b>
Config purge policy	Displays the status of Configuration Purge Policy.	Archive Purge Settings page (Resource Manager Essentials >Admin > Config Mgmt >Archive Mgmt > Purge Settings)
Delete Network Change Records (Change Audit)	Displays the number of days after which the Change Audit records will be deleted.	Purge Policy page (Resource Manager Essentials >Admin > ChangeAudit >Set Purge Policy)
Delete System Audit Records (Audit Trail)	Displays the number of days after which the Audit Trail records will be deleted.	Purge Policy page (Resource Manager Essentials >Admin > ChangeAudit >Set Purge Policy)
Syslog Purge Policy	Displays the number of days after which the Syslog records will be deleted.	Purge Policy page (Resource Manager Essentials >Admin > Syslog >Set Purge Policy)
Syslog Backup Policy - Maximum File Size (in MB)	Displays the size (in MB) of the flat file where all the Syslog messages are stored.	Backup Policy page (Resource Manager Essentials >Admin > Syslog >Set Backup Policy)
DFM Daily Purge Schedule	<p>Displays the time when the daily purging begins in DFM.</p> <p>Data for Fault History remains in the DFM database for 31 days. Purging occurs every day to maintain only 31 days of data.</p> <p>You can select the time of day that purging begins. By default, purging begins at 00:00.</p>	Daily Purging Schedule page (Device Fault Manager > Configuration > Other Configurations > Daily Purging Schedule)