



CHAPTER 16

Purge Settings

Describes how to configure the purge settings of all modules in LMS.

This section contains the following sections:

- [Purging Reports Jobs and Archived Reports](#)
- [Purging VRF Management Reports Jobs and Archived Reports](#)
- [Purging Configurations from the Configuration Archive](#)
- [Syslog Administrative Tasks](#)
- [Setting the Syslog Purge Policy](#)
- [Purging Configuration Management Jobs](#)
- [Performance Purge Jobs](#)
- [Performance Purge Data](#)
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- [IPSLA Data Purging Settings](#)
- [Configuring the Daily Fault History Purging Schedule](#)

Purging Reports Jobs and Archived Reports

You can purge Layer2 services jobs or report archives in LMS. By default, purging is disabled.

To enable the purge option for Layer2 services report jobs and archives:

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- Step 1** Select **Admin > Network > Purge Settings > Layer2 Services Purge Settings**.
- The Network Reports Purge Settings dialog box appears. Under Report Settings, you can specify the Purge Policy for archives or jobs here.
- Step 2** Check the **Purge Archives Older Than** check box to specify the periodicity at which to purge archives. For instance, if you select 44 days, LMS purges archives that are older than 44 days.
- Step 3** Check the **Purge Jobs Older Than** check box to specify the periodicity at which to purge jobs. For instance, if you select 2 weeks, LMS purges jobs that are older than 2 weeks.
- Step 4** Click **Save**.
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Purging VRF Management Reports Jobs and Archived Reports

You can purge VRF Management jobs or report archives in LMS. By default, purging is disabled.

To enable the purge option for VRF Management report jobs and archives:

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- Step 1** Select **Admin > Network > Purge Settings > VRF Lite Purge Settings**.
The Purge Settings dialog box appears.
- Step 2** Specify the Purge Policy for archives or jobs.
- Step 3** Check the **Purge Archives Older Than** to specify the periodicity at which to purge archives.
For instance, if you select 44 days, VRF Management purges archives that are older than 44 days.
- Step 4** Check the **Purge Jobs Older Than** to specify the periodicity at which to purge jobs.
For instance, if you select 2 weeks, VRF Management purges jobs that are older than two weeks.
- Step 5** Click **Save**.
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Purging Configurations from the Configuration Archive

You can specify when to purge archived configurations. Purging archives frees disk space and keeps your archive at a manageable size.

By default, the purging jobs are disabled.

You can purge configurations based on two criteria:

- **Number of versions to retain.** Maximum number of versions of each configuration to be retained.
The oldest configuration is purged when the maximum number is reached. For example, if you set the maximum versions to retain to 10, when the eleventh version of a configuration is archived, the earliest (first version) is purged to retain total number of latest archived versions at 10.
- **Age.** Configurations older than the number of days that you specify are purged.
The Labeled configuration files are not purged even if they satisfy either of the purge conditions (Maximum versions to retain and Purge versions older than options in the Archive Purge Settings window) unless you enable the Purge labeled files option in the Archive Purge Settings window.
The labeled files are purged only if they satisfy the conditions given in the Maximum versions to retain and Purge versions older than options.

Archive Management will not purge the configuration files, if there are only two versions of these files in the archive.

Archived configurations that match the purge criteria that you set are purged from the system. This purge policy applies to Running configuration only.



Caution

Ensure that the configuration change detection schedule does not conflict with purging, since both processes are database-intensive. Also backup your system frequently to prevent losing versions.



Note View Permission Report (**Reports > System > Users > Permission**) to check if you have the required privileges to perform this task.

The workflow to define the Configuration Archive purge policy is:

Step 1 Select **Admin > Network > Purge Settings > Config Archive Purge Settings**.

The Archive Purge Setup dialog box appears.

Step 2 Select **Enable**.

Step 3 Click **Change** to schedule a Purge job.

The Config Purge Job Schedule dialog box appears.

Step 4 Enter the following information:

Field	Description
Scheduling	
Run Type	<p>You can specify when you want to purge the configuration archive files.</p> <p>To do this, select one of these options from the drop-down menu:</p> <ul style="list-style-type: none"> • Daily—Runs daily at the specified time. • Weekly—Runs weekly on the specified day of the week and at the specified time. • Monthly—Runs monthly on the specified day of the month and at the specified time. <p>The subsequent instances of periodic jobs will run only after the earlier instance of the job is complete. For example, if you have scheduled a daily job at 10:00 a.m. on November 1, the next instance of this job will run at 10:00 a.m. on November 2 only if the earlier instance of the November 1 job has completed.</p> <p>If the 10.00 a.m. November 1 job has not been completed before 10:00 a.m. November 2, the next job will start only at 10:00 a.m. on November 3.</p>
Date	You can select the date and time (hours and minutes) to schedule the job.
Job Information	
Job Description	<p>The system default job description, <i>Default archive purge job</i> is displayed.</p> <p>You cannot change this description.</p>
E-mail	<p>Enter e-mail addresses to which the job sends messages at the beginning and at the end of the job.</p> <p>You can enter multiple e-mail addresses separated by commas.</p> <p>Configure the SMTP server to send e-mails in the View / Edit System Preferences dialog box (Admin > System > System Preferences).</p> <p>We recommend that you configure the E-mail ID in the View / Edit System Preferences dialog box (Admin > System > System Preferences). When the job starts or completes, an e-mail is sent from the E-mail ID.</p>

Step 5 Specify when to purge configuration files from the archive by selecting one or all of the following purge policies:

- Click **Maximum versions to retain** and enter the number of configurations to be retained.
- Click **Purge versions older than** and enter the number of days, weeks, or months.
- Click **Purge labeled files** to delete the labeled configuration files.

The Purge labeled files option must be used either with the Maximum versions to retain or Purge versions older than options. You cannot use this option without enabling either Maximum versions to retain or Purge versions older than options.

The labeled files are purged only if they satisfy the conditions given in the Maximum versions to retain and Purge versions older than options.

The Labeled configuration files are not deleted even if they satisfy either of the purge conditions (Maximum versions to retain and Purge versions older than) unless you enable the Purge labeled files option.

These purge policies are applied sequentially. That is, if you have enabled all the three purge policies, LMS applies the Purge policies in this sequence:

- a. Maximum versions to retain
- b. Purge versions older than
- c. Purge labeled files

Archive Management does not purge the configuration files, if there are only two versions of these files in the archive.

Step 6 Click **Apply**.

A message appears, *New settings saved successfully.*

Step 7 Click **OK**.

You can check the status of your scheduled job by selecting **Admin > Jobs > Browser**.

Syslog Administrative Tasks

You can perform the following Administrative tasks:

- Back up Syslog messages (see [Setting the Syslog Backup Policy](#)).
- Purge Syslog messages (see [Setting the Syslog Purge Policy](#)).
- Perform a Forced Purge (see [Performing a Syslog Forced Purge](#)).



Note

View the Permission Report (**Reports > System > Users > Permission**) to check if you have the required privileges to perform these tasks.

Setting the Syslog Backup Policy

The Backup Configuration feature allows you to save the Syslog messages to a flat file. The syslog data that is trimmed from the database will be moved to the flat file.

- In Solaris/Soft Appliance, the backup file is created with `-rw-r----- casuser casusers` irrespective of the permissions given to the directory for backup on purge.
- In Windows, the backup file inherits the permission and ownership of the directory it is created in, which is the directory selected as the backup location (on purge).

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

To set up the backup policy:

Step 1 Select **Admin > Network > Purge Settings > Syslog Backup Settings**.

The Backup Policy dialog box appears.

By default, the backup policy is set to disabled.

Step 2 Select **Enable** to enable the backup process for Syslog messages, after configuring backup.

Step 3 Click **Browse** to select the backup file location.

The Server Side File Browser dialog box appears.

In the Server Side File Browser dialog box:

- a. Specify the external directory.

The external directory must be under the syslog directory, or a sub-directory within the syslog directory. For example, `$NMSROOT/files/rme/syslog/sysbackup`.

The external directory cannot be outside the syslog directory. If you attempt to navigate outside the syslog directory, an error message appears.

- b. Select Directory Content,

- c. Click **OK**.

Step 4 Enter the maximum size that you want to set for the backup file. By default this is set to 100 MB.

Step 5 Enter the e-mail ID of the user who should receive a notification, if the backup fails. You can enter multiple e-mail addresses separated with commas. This is a mandatory field.

Configure the SMTP server to send e-mails in the View/Edit System Preferences dialog box (**Admin > System > System Preferences**).

We recommend that you configure the E-mail ID in the View / Edit System Preferences dialog box (**Admin > System > System Preferences**). When the job completes, an e-mail is sent from the E-mail ID.)

If you also want a notification to be sent when the backup is a success, select **Also Notify on Success**.

Step 6 Either click **Save** to save the backup configuration details that you have specified or click **Reset** to clear the values that you specified and reset to the previously saved values in the dialog box.

If you have clicked **Save**, the backup will continue to save the data even after the data has exceeded the specified size of the backup file. However, the system will send an e-mail asking you to cleanup the backup file.

Setting the Syslog Purge Policy

You can specify a default policy for the periodic purging of Syslog messages.

If you access a table either through immediate reports, report jobs or by any other means, the database locks the table and therefore the table will not be successfully purged. However, during the successive purge operations such a table will be purged.

A purge job is enabled by default, and is scheduled to run at 1:00 AM daily.

This section contains: [Performing a Syslog Forced Purge](#)

To specify your default purge policy:

Step 1 Select **Admin > Network > Purge Settings > Syslog Purge Settings**.

The Purge Policy dialog box appears.

Step 2 Specify the number of days in the **Purge records older than** field.

Only the records older than the number of days that you specify here, will be purged. The default value is 7 days. This is a mandatory field.



Caution

You might delete data by changing these values. If you change the number of days to values lower than the current values, messages over the new limits will be deleted.

If the data of a particular day is being accessed either through Immediate reports, Report jobs, or by any other means, it will not be purged. However, during the successive purge operations this data will be purged.

Step 3 Specify the periodicity of the purge in the Run Type field. This can be monthly, daily, or weekly.

Step 4 Select the start date using the calendar icon, to populate the date field in the dd-mmm-yyyy format (For example, 02-Dec-2004). This is a mandatory field.

Step 5 Enter the start time in the At field, in the hh:mm:ss format (23:00:00). This is a mandatory field.

The Job Description field has a default description—`Syslog Records - default purge job`.

Enter the e-mail ID of the user who should be notified when the scheduled purge is complete. You can enter more than one e-mail ID separated by commas. This is a mandatory field. Configure the SMTP server to send e-mails in the View / Edit System Preferences dialog box (**Admin > System > System Preferences**).

We recommend that you configure the E-mail ID in the View / Edit System Preferences dialog box (**Admin > System > System Preferences**). When the job completes, an e-mail is sent from E-mail ID.

Step 6 Either click **Save** to save the purge policy that you have specified or click **Reset**. to clear the values that you specified and reset the defaults in the dialog box.

You can view the scheduled purge job in the Job Browser (**Admin > Jobs > Browser**).

Performing a Syslog Forced Purge

You can perform a forced purge of Syslog messages, as required.

If you access a table through Immediate reports, Report jobs, or by any other means, the database locks the table and therefore the table will not be successfully purged. However, during successive purge operations the locked table will be purged.

To perform a Forced Purge:

Step 1 Select **Admin > Network > Purge Settings > Syslog Force Purge**.

The Force Purge dialog box appears.

Step 2 Enter the information required to perform a Forced Purge:

Field	Description
Purge records older than	<p>Enter the number of days. Only the records older than the number of days that you specify here, will be purged. This is a mandatory field.</p> <p>If the data of a particular day is being accessed either through Immediate reports, Report jobs, or by any other means, it will not be purged. However, during the successive purge operations this data will be purged.</p>
Scheduling	
Run Type	<p>Specify whether the purge is to be Immediate or Once.</p> <ul style="list-style-type: none"> If you select Immediate, all the other options will be disabled for you. If you select Once, you can specify the start date and time and also provide the job description (mandatory) and the e-mail ID for the notification after the scheduled purge is complete. <p>Configure the SMTP server to send e-mails in the View / Edit System Preferences dialog box (Admin > System > System Preferences).</p> <p>We recommend that you configure the E-mail ID in the View / Edit System Preferences dialog box (Admin > System > System Preferences). When the job completes, an e-mail is sent from E-mail ID.</p>
Date	<p>Select the start date using the calendar icon, to populate the Date field in the dd-mmm-yyyy format, for example, 02-Dec-2004. This is a mandatory field.</p> <p>The Date field is enabled only if you have selected Once as the Run Type.</p>
at	<p>Enter the start time, in the hh:mm:ss format (23:00:00).</p> <p>The at field is enabled only if you have selected Once as the Run Type.</p>

Field	Description
Job Info	
Job Description	Enter a description for the forced purge job. The Job Description field is enabled only if you have selected Once as the Run Type. This is a mandatory field.
E-mail	Enter the e-mail ID of the user who should be notified when the Forced Purge is complete. You can enter more than one e-mail ID separated by commas. The e-mail field is enabled only if you have selected Once as the Run Type. Configure the SMTP server to send e-mails in the View/ Edit System Preferences dialog box (Admin > System > System Preferences). We recommend that you configure the E-mail ID in the View/Edit System Preferences dialog box (Admin > System > System Preferences). When the job completes, an e-mail is sent from E-mail ID.

Step 3 Click **Submit** for the Forced Purge to become effective.

To clear the values that you specified and reset the defaults in the dialog box, click **Reset**.

You can view the scheduled Force Purge job in the Job Browser (**Admin > Jobs > Browser**).

Purging Configuration Management Jobs

You can periodically purge the Configuration Management jobs from **Admin > Network > Purge Settings > Config Job Purge Settings**.

This section contains:

- [Scheduling a Configuration Management Purge Job](#)
- [Enabling a Configuration Management Purge Job](#)
- [Disabling a Configuration Management Purge Job](#)
- [Performing an Immediate Purge for Configuration Management Jobs](#)

The Job Purge option provides a centralized location for you to schedule Purge operations for the following Configuration Management jobs:

- Credential Verification Jobs—Purge all Credential Verification jobs. This also includes credential verification edit jobs.
- Software Management Jobs—Purge all Software Management jobs such as Image Import, Image Distribution, etc.
- Netconfig Jobs—Purge all NetConfig jobs.
- Archive Management Jobs—Purge Archive Management jobs such as Compliance Check, and Deploy Compliance Results.
- Archive Update Jobs—Purge Archive Management collection jobs, *Default config collection job*.
- Archive Poller Jobs—Purge Archive Management polling jobs, *Default config polling job*.
- Archive Purge Jobs--Purge Archive Management purge jobs, *Default archive purge job*.

- Config Editor Jobs—Purge all Config Editor jobs.
- CwConfig Jobs—Purge all cwcli config jobs such as Get Config, Put Config, etc.
- Inventory Collector Jobs—Purge Inventory collection jobs.
- Inventory Poller Jobs—Purge Inventory polling jobs.
- Reports Jobs—Purge all Reports jobs
- Reports Archive Jobs—All reports that are archived are purged. You can view all reports that are archived in the Archives window (**Reports > Report Archives > Inventory and Syslog**).
- NetShow Jobs—Purge all NetShow jobs.

You cannot purge the jobs that are in the running state.

The Job Purge contains the following information:

Column	Description
Application	Lists the application for which the Purge is applicable.
Status	Whether a Purge job is enabled or disabled.
Policy	This value is in days. Data older than the specified value, will be purged. You can change this value as required. This is a mandatory field. The default is 180 days.
Job ID	Unique ID assigned to the job by the system, when the Purge job was created. This job ID does not change even when you disable or enable or change the schedule of the Purge job. For Purge Now task, job ID is not assigned. Also, if a Job ID already exists for that application, the job ID is not updated for Purge Now tasks. That is, the scheduled Purge job is not affected by Purge Now task.
Scheduled At	Date and time for which the job is scheduled. For example: Nov 17 2004 13:25:00.
Schedule Type	Specifies the type of schedule for the Purge job: <ul style="list-style-type: none"> • Daily—Runs daily at the specified time. • Weekly—Runs weekly on the specified day of the week and at the specified time. • Monthly—Runs monthly on the specified day of the month and at the specified time. (A month comprises 30 days).

You can select the applications by checking the check boxes next to the application to perform the following tasks using the Job Purge window:

Button	Description
Schedule	Schedules a Purge job.
Enable	After you schedule a job, you can enable Purge.
Disable	After you schedule a job, if you have enabled the Purge job, you can choose to disable it.
Purge Now	Perform Immediate Purge. You can select more than one application to purge in a single step. After selecting the applications, click on this button to purge jobs.

Scheduling a Configuration Management Purge Job

To schedule a Purge job:

Step 1 Select **Admin > Network > Purge Settings > Config Job Purge Settings**.

The Job Purge dialog box appears.

To create a Purge job,

Step 2 Select **Schedule**.

The Purge Schedule dialog box appears for the selected application.

Field	Description
Scheduling	
Run Type	<p>Select the frequency at which the job should be run:</p> <ul style="list-style-type: none"> • Daily—Runs daily at the specified time. • Weekly—Runs weekly on the specified day of the week and at the specified time. • Monthly—Runs monthly on the specified day of the month and at the specified time. (A month comprises 30 days). <p>For periodic jobs, the subsequent instances of jobs will run only after the earlier instance of the job is complete.</p> <p>For example, if you have scheduled a daily job at 10:00 a.m. on November 1, the next instance of this job will run at 10:00 a.m. on November 2, only if the earlier instance of the November 1 job has completed. If the 10:00 a.m. November 1 job has not been completed before 10:00 a.m. November 2, then the next job will start only at 10:00 a.m. on November 3.</p>
Date	<ol style="list-style-type: none"> 1. Click on the date picker icon and select the date, month and year. Your selection appears in the Date field in this format: dd Mmm yyyy (example: 14 Nov 2004). 2. Select the time (hh and mm) from the drop-down lists in the at fields.
Job Info	
Days	<p>The default setting for purging archived data is 180 days. That is, data older than 180 days will be purged. You can change this value as required. This is a mandatory field.</p> <p>You can enter only whole numbers for days. You cannot enter fractions of days.</p>
Job Description	<p>Based on the option that you selected, you see a default job description.</p> <p>For example, for Software Management Purge jobs the default description is: Purge - Software Management Jobs.</p> <p>For Reports Archive Purge, the default description is: Purge - Reports Archive Purge.</p>

Step 3 Click **Done**. The Purge job appears in the Job Purge dialog box.



Note You cannot purge the jobs that are in the running state.

Enabling a Configuration Management Purge Job

You can enable only a scheduled Purge job.

To schedule a Purge job, see [Scheduling a Configuration Management Purge Job](#).

To enable a Purge job:

Step 1 Select **Admin > Network > Purge Settings > Config Job Purge Settings**.

The Job Purge dialog box appears.

Step 2 Click **Enable**.

A confirmation message appears:

There is a purge schedule and it is enabled.

Step 3 Click **OK**.

The Status column in the Job Purge window displays `Enabled` for the selected application Purge job.

Disabling a Configuration Management Purge Job

You can only disable a Purge job that is scheduled and enabled.

To schedule a Purge job, see [Scheduling a Configuration Management Purge Job](#) and to enable a Purge job, see [Enabling a Configuration Management Purge Job](#).

To disable a Purge job:

Step 1 Select **Admin > Network > Purge Settings > Config Job Purge Settings**.

The Job Purge dialog box appears.

Step 2 Click **Disable**.

A confirmation message appears:

There is a purge schedule and it is disabled.

Step 3 Click **OK**.

The Status column in the Job Purge window displays `Enabled` for the selected application Purge job.

Performing an Immediate Purge for Configuration Management Jobs

Using this option you can purge application jobs immediately. That is, you can purge Configuration Management jobs without scheduling and enabling the Purge job.

For the Purge Now task, the Job ID is not assigned. Also, if a Job ID already exists for that application, the Job ID is not updated for Purge Now tasks. That is, the scheduled Purge job is not affected by Purge Now task.

To perform an immediate purge:

Step 1 Select **Admin > Network > Purge Settings > Config Job Purge Settings**.

The Job Purge dialog box appears.

Step 2 Click **Purge Now**.

The Explorer User Prompt dialog box appears.

Step 3 Enter the number of days jobs that have to be purged.

The default setting for purging archived data is 180 days. That is, data older than 180 days will be purged. You can change this value as required.

You can enter only whole numbers for days. You cannot enter fractions of days.

Step 4 Click **OK**.

The Purge Job Details window appears displaying the purged job details.



Note

You cannot purge the jobs that are in the running state.

Performance Purge Jobs

You can configure LMS to periodically purge job data that you no longer need. This is done using Job Purge.

Job Purge provides a centralized location for you to schedule purging for the following LMS jobs:

- Quick Report Jobs—Purge all Quick Report jobs older than the specified number of days.
- Custom Report Jobs—Purge all Custom Report jobs older than the specified number of days.
- Threshold Report Jobs—Purge all Threshold Report jobs older than the specified number of days.
- Poller Report Jobs—Purge all Poller Report jobs older than the specified number of days.
- Failure Tracker Jobs—Purge all Failure Tracker jobs older than the specified number of days.
- TrendWatch jobs—Purge all TrendWatch jobs older than the specified number of days.
- TrendWatch Summary jobs—Purge all TrendWatch summary jobs older than the specified number of days.
- Summarizer Jobs—Purge all Summarizer jobs older than the specified number of days.
- Data Purge jobs—Purge all Data Purge jobs older than the specified number of days.

- Job Purge jobs—Purge all Job Purge jobs older than the specified number of days.
- Maintenance jobs—Purge all Maintenance jobs older than the specified number of days.

To schedule Job Purge:

Step 1 Select **Admin > Network > Purge Settings > Performance Job Purge Settings**.

Step 2 Select **Job Purge**.

The Job Purge Settings page appears, displaying Job Purge Schedule dialog box.

Table 16-1 describes the fields in the Job Purge Schedule dialog box.

Table 16-1 Job Purge Schedule Fields

Field/Button	Description
Scheduling	
Run Type	<p>Specify the type of schedule for job purge:</p> <ul style="list-style-type: none"> • Daily—Runs daily at the specified time. • Weekly—Runs weekly on the specified day of the week and at the specified time. • Monthly—Runs monthly on the specified day of the month and at the specified time. (A month comprises 30 days). <p>For Daily jobs, the subsequent instances of jobs will run only after the earlier instance of the job is complete.</p> <p>For example, if you have scheduled a daily job at 10:00 a.m. on November 1, the next instance of this job will run at 10:00 a.m. on November 2, only if the earlier instance of the November 1 job has completed. If the 10.00 a.m. November 1 job has not been completed before 10:00 a.m. November 2, then the next job will start only at 10:00 a.m. on November 3.</p>
Date	<p>Specify the date and time for which the purge is scheduled.</p> <p>Select the date by clicking the calendar icon and time from the drop-down list.</p>
Purge Policy	
Days	<p>The default setting for purging archived job data is 30 days. That is, job data older than 30 days will be deleted. You can change this value as required. This is a mandatory field.</p> <p>You can enter only whole numbers for days. You cannot enter fractions of days.</p>
Apply (button)	Job purge is scheduled at the specified Run Type and Date for the job data older than the days specified in the Days field.
Purge Now (button)	Job purge is done immediately for the job data older than the days specified in the Days field.

Step 3 Update the necessary fields in the following panes:

- Scheduling
- Purge Policy

See [Table 16-1](#) for the description of fields that appear in the Job Purge Schedule dialog box.

Step 4 Click **Apply** to schedule job purge or **Purge Now** to immediately perform job purge.

- If you click **Apply**, a message appears confirming that the purge settings are applied successfully.
- If you click **Purge Now**, a message appears confirming that purge is done successfully and the Job ID appears.

You can see the job details in the Job Browser at **Admin > Jobs > Browser**.



Note

We recommend that you wait for any activity currently running in the system to stop before purging jobs. By default, all Job Purge jobs older than seven days are purged by Cisco Prime LMS.

Performance Purge Data

You can configure LMS to periodically purge polled data that you no longer need in the database. You can purge data records such as summarization records, Poller failure records, threshold violation records, audit trail records.

Cisco Prime LMS polls the device and stores the polled data in the database. Over a period of time, the polled data occupies a large amount of space in the database.

To prevent this, LMS stores only the last 24 hours data in the database. Background tasks in LMS summarizes this polled data and categorizes the data as 5-minute summarization record, 30-minute summarization record, 3-hour summarization record and 12-hour summarization record.

The summarization of polled data happens every one hour. The summarized data can be purged at regular intervals using the Data Purge option.

Data Purge allows you to schedule purging for the following LMS data records:

- 30 Minute Summarization records—Purge all 30-minute summarization data records older than the specified number of days.
- 3 Hour Summarization records—Purge all 3-hour summarization data records older than the specified number of days.
- 12 Hour Summarization records—Purge all 12-hour summarization data records older than the specified number of days.
- Poller failure records—Purge all failure data records older than the specified number of days.
- Threshold violation records—Purge all threshold violation data records older than the specified number of days.
- Audit trail records—Purge all audit trail data records older than the specified number of days.
- TrendWatch violation records—Purge all TrendWatch violation data records older than the specified number of days.
- Status change details records—Purge all status change details data records older than the specified number of days.



Note It is recommended to keep the LMS view in LMS Portal closed, when the data purge job is running.

To schedule Data Purge:

Step 1 Select **Admin > Network > Purge Settings > Performance data purge settings**.

Step 2 Select **Data Purge**.

The Data Purge Settings page appears, displaying the Data Purge Schedule dialog box.

[Table 16-2](#) describes the fields in the Data Purge Schedule dialog box.

Table 16-2 *Data Purge Schedule Fields*

Field/Button	Description
Purge Schedule	
Run Type	<p>Specify the type of schedule to perform Data Purge:</p> <ul style="list-style-type: none"> Hourly—Runs hourly. Daily—Runs daily at the specified time. Weekly—Runs weekly on the specified day of the week and at the specified time. Monthly—Runs monthly on the specified day of the month and at the specified time. (A month comprises 30 days). <p>By default, Daily is set as the default Run Type schedule for Data Purge.</p> <p>For example, if you have scheduled Run Type as Daily for Data Purge job at 10:00 a.m. on November 1, the next instance of this Data Purge job will run at 10:00 a.m. on November 2, only if the earlier instance of the November 1 job has completed.</p> <p>If the 10.00 a.m. November 1 Data Purge job has not been completed before 10:00 a.m. November 2, then the next Data Purge job will start only at 10:00 a.m. on November 3.</p>
Date	<p>Specify the date and time for which the Data Purge job is scheduled.</p> <p>Select the date by clicking the calendar icon and time from the drop-down list.</p>

Table 16-2 Data Purge Schedule Fields (continued)

Field/Button	Description
Purge Policy	
Days	<p>The following are the default settings for purging the following data:</p> <ul style="list-style-type: none"> • 5 Minute's Summarization records—3 days • 30 Minute's Summarization records—15 days • 3 Hour Summarization records—90 days • 12 Hour Summarization records—365 days • Poller failure records—1 day • Threshold violation records—180 days • Audit trail records—90 days • TrendWatch violation records—180 days • Status change details records—15 days <p>The default data purge settings provides optimal performance of Cisco Prime LMS. You can also change the default purge settings as required. However, the performance of Cisco Prime LMS may not be as expected.</p> <p>You can enter only whole numbers for days. You cannot enter fractions of days.</p> <p>This is a mandatory field.</p>
Apply (button)	Data purge is scheduled at the specified Run Type and Date for the data older than the days specified in the Days field.
Purge Now (button)	Data purge is done immediately for the data older than the days specified in the Days field.

Step 3 Update the necessary fields in the following panes:

- Purge Schedule
- Purge Policy

See [Table 16-2](#) for the description of fields that appear in the Data Purge Schedule dialog box.

Step 4 Click **Apply** to schedule the data purge or **Purge Now** to immediately perform the data purge.

- If you click **Apply**, a message appears confirming that data purge settings are applied successfully.
- If you click **Purge Now**, a message appears confirming that purge is done successfully and the Job ID appears.

You can see the job details in the Job Browser at **Admin > Jobs > Browser**.

**Note**

By default, all Summarization jobs older than seven days are purged by Cisco Prime LMS.

View Performance Purge Details

Cisco Prime LMS allows you to view the details of the data purged using the option Purge Details.

To view Data Purge details:

Step 1 Select **Admin > Network > Purge Settings > Performance Data Purge Summary**.

Step 2 Select **Purge Details**.

The Purge Details page appears, displaying Show Purge Details dialog box.

[Table 16-3](#) describes the fields in the Show Purge Details dialog box.

Table 16-3 *Show Purge Details Fields*

Field	Description
Details	<p>Displays the purge details of the Data Purge job.</p> <p>The following purge information is displayed:</p> <ul style="list-style-type: none"> • Next Data Purge Job scheduled at • No. of Poll Failure records purged • No. of Audit Trail records purged • No. of Threshold Violation records purged • No. of Polled records purged • Last Job Purge completed at • No. of TrendWatch violation records purged
Value	Details the number of records purged and purge schedule.

IPSLA Data Purging Settings

The Purge Settings page allows you to set the Purge period for Historical and Audit reports. You can also set the Purge period from the Setup Center.

To access Purge Settings page:

Select **Admin > Network > Purge Settings > IPSLA data Purge Settings**.

You can use the Purge Settings option to purge Historical data as well as Audit reports.

Purging Historical Data

LMS purges IPSLA-related historical data automatically everyday, based on the Purge period specified on the Purge Settings page. It purges historical data that is older than the specified Purge period. If the Purge period is not specified, it purges the historical data based on the default values.

The minute-based reports are purged daily by default.

To purge Historical reports:

Step 1 Select **Admin > Network > Purge Settings > IPSLA data Purge Settings**.

The Purge Settings page appears.

Step 2 Specify the Purge period. For more information, see [Table 16-4](#).

Step 3 Click **Apply**.

A message appears that the Purge settings are updated successfully.

Step 4 Click **OK**.

Table 16-4 Purging Reports

Granularity	Purge Period
Minute	Specify the number of days for which you want to keep the minute historical data in the database. The default value is 1 day.
Hourly	Specify the number of days for which you want to keep the hourly historical data in the database. The default value is 32 days.
Daily	Specify the number of days for which you want to keep the daily historical data in the database. The default value is 180 days.
Weekly	Specify the number of weeks for which you want to keep the weekly historical data in the database. The default value is 12 weeks.
Monthly	Specify the number of months for which you want to keep the monthly historical data in the database. The default value is 12 months.
Audit Reports Purge Period	Allows you to purge the Audit reports. The audit reports older than the number of days you specify will be purged. The default purge period for Audit reports is 180 days. This frees disk space and maintains your audit reports at a manageable size.

Configuring the Daily Fault History Purging Schedule

**Note**

View the Permission Report (**Reports > System > Users > Permission**) to check if you have the required privileges to perform these tasks.

Data for Fault History remains in the LMS database for 31 days. Purging occurs every day to maintain only 31 days of data. You can select the time of day that purging begins. By default, purging begins at 00:00.

Before You Begin

Review the information in [Performing Scheduling Tasks](#) to ensure that daily purging does not conflict with the other scheduled jobs listed there.

Do not use the LMS Job Browser to manage Rediscovery Schedules; use the LMS Daily Purging Schedule interface. If you suspend the Fault History:DataPurge job using the Job Manager, the job is deleted from the LMS Daily Purging Schedule interface, which can be confusing to users.

Step 1 Select **Admin > Network > Purge Settings > Fault History Purging Schedule**.

Step 2 Select the Purge Time:

- Hour—From 0 to 23
- Minute—From 0 to 50 in ten-minute intervals

The default purge time is 00:00.

Step 3 Click **Apply**.

You can check the status of the Fault History data purge job from the Job Manager page each day after the job runs. To do so select **Admin > Jobs > Browser** and find DFM:DataPurge under Job Type.

For more information, see [Configuring Fault Management Rediscovery Schedules](#).