Adjust WaterMark in RTMT of Call Manager **Procedure**

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Introduction

This document describes the procedure to create additional disk space in logging partition of Cisco Call Manager with High and Low WaterMark settings.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on these software and hardware versions:

- Cisco Call Manager version 10.0.1-10000-24
- Cisco Real-Time Monitoring Tool (RTMT) version 10.0(001)

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information



Dip: The information in this tech document also applies to adjust the watermark in RTMT for the Cisco IM and Presence Service Server.

Low WaterMark is a percentage value of the total logging disk space post which when you receive an alert, indicates the disk space is full by the configured percentage of Low WaterMark.

High WaterMark is a percentage value of the total logging disk space post which the older log files are purged.

High WaterMark Exceeded and Low WaterMark Exceeded are events that indicate the percentage of used disk space in the logging partition.

LogPartitionHighWaterMarkExceeded

This event indicates that the percentage of used disk space in the log partition has exceeded the configured High Watermark.

LogPartitionLowWaterMarkExceeded

This event indicates that the percentage of used disk space in the log partition has exceeded the configured Low WaterMark.

The threshold percentage value of both events could be configured in RTMT based on the requirement. By default, High WaterMark is set to 95% of the total logging partition and Low WaterMark is set to 90% of the total logging partition.

At times, a need arises for certain activities in the call manager to take place when there is insufficient space in the Logging Partition and additional space needs to be created. During such events, additional space could be created in the Logging Partition by adjusting the threshold values of High WaterMark and LowWaterMark, respectively.

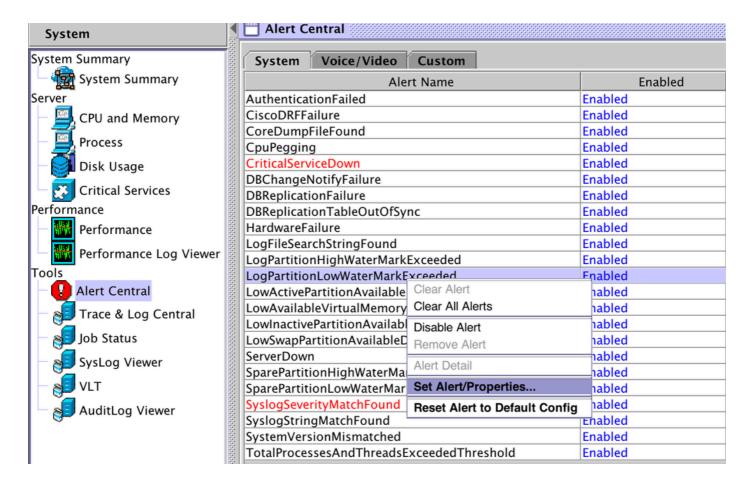
When the threshold value of High WaterMark is lowered, it purges older log files, thereby creating additional disk space in the logging partition.

Procedure

Adjust Low WaterMark

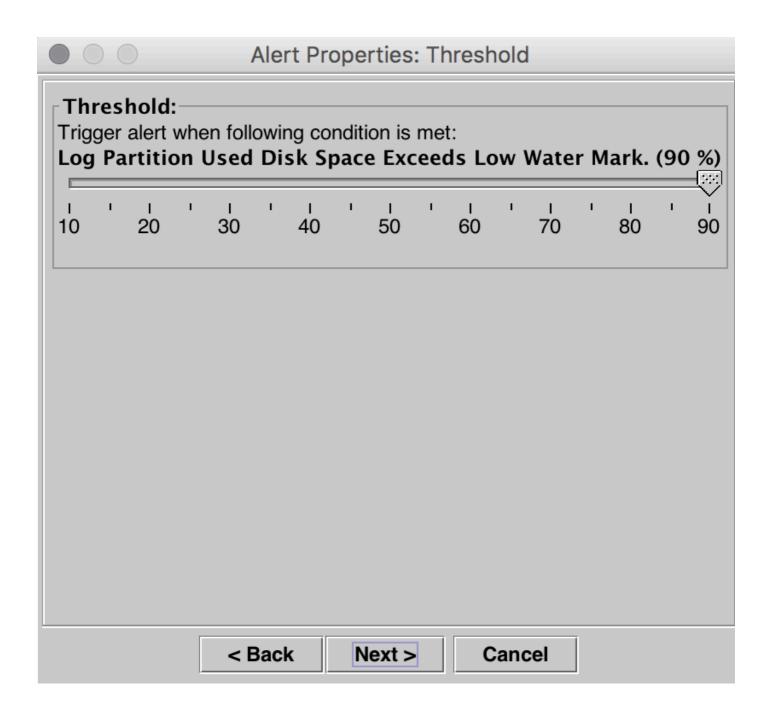
Launch RTMT, and log in to the desired **cluster**. On the left pane, navigate to **System > Tool > Alert Central**.

On the right pane, under **System Right**, click **LogPartitionLowWaterMarkExceeded > Set Alert/Properties**.

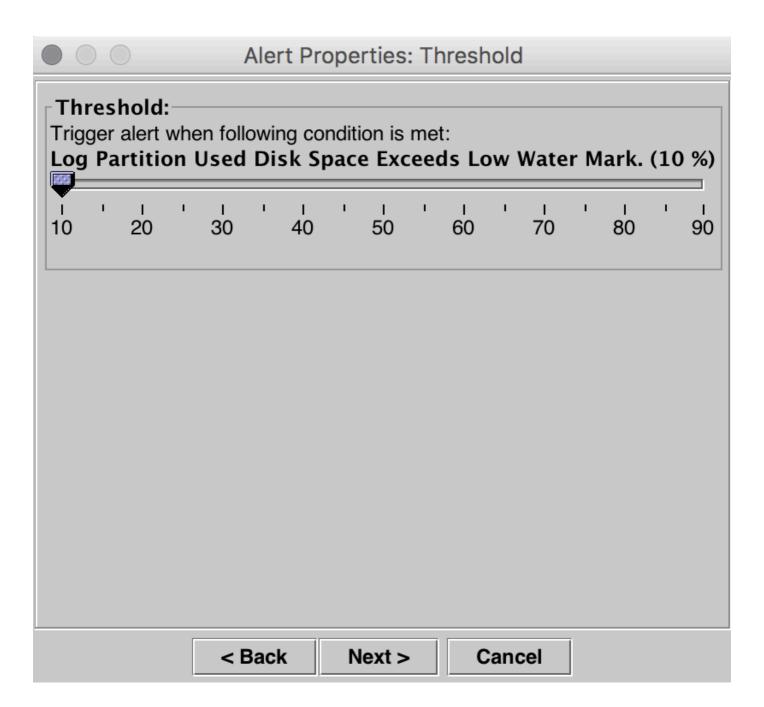


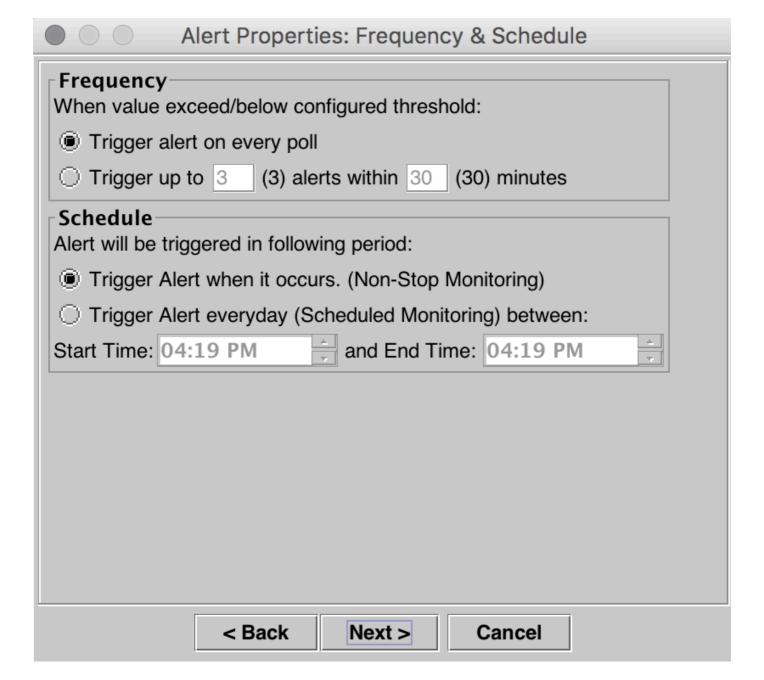
	Alert Properties: Gene	eral	
Name: LogPartitionLow	/WaterMarkExceeded		
Enable Alert	S	Severity: Critical	
Enable/Disable this alert on following server(s):			
	erver	Enable	
10.1 99			
Description:			
This alert occurs when the LogPartitionLowWaterMarkExceeded			
event is generated. This indicates that the percentage of used disk space in the log partition has exceeded the configured low water			
mark.			
Recommended Action:			
Check if the configured low water mark for used disk space in the log partition is too low. And also please examine each application			
trace log files and clean up those that are too old and too big before			
the used disk space exceeds the high water mark.			
< E	Back Next >	Cancel	

By default, Low WaterMark is set to 90%.

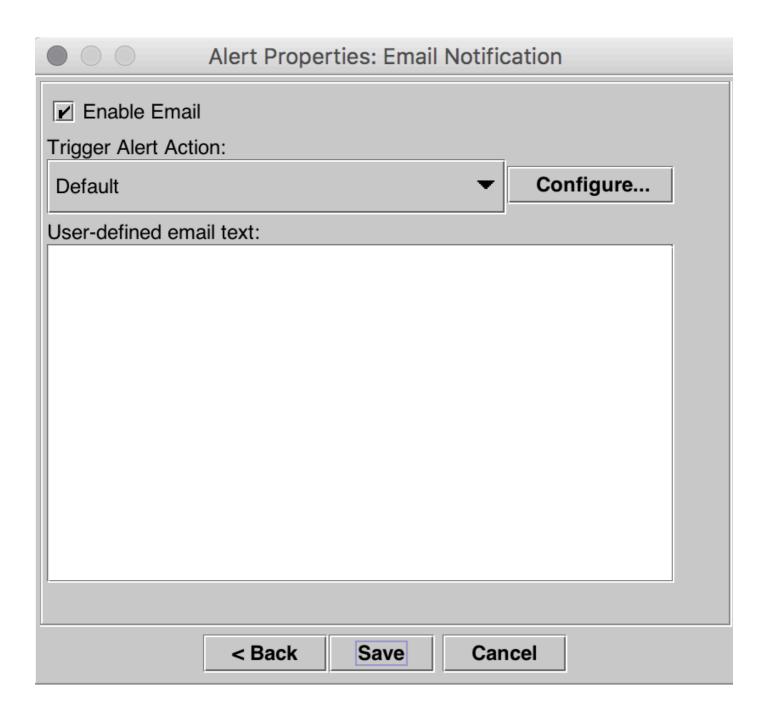


Set the Low WaterMark to a lower value, based on your requirement, and then click Next.



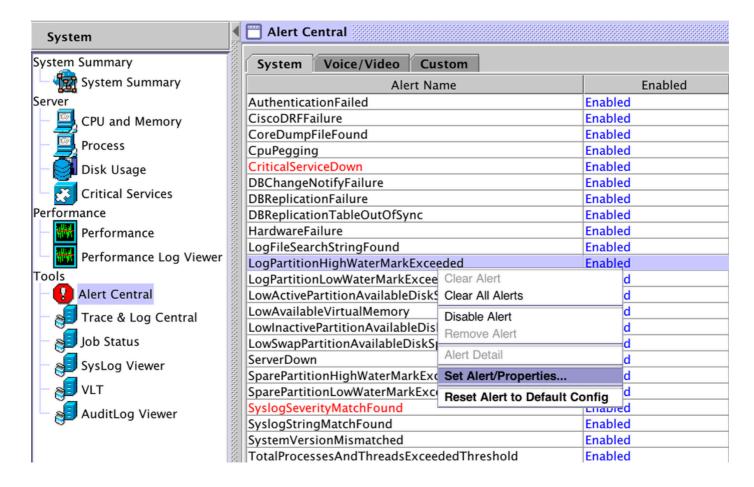


Click Save.



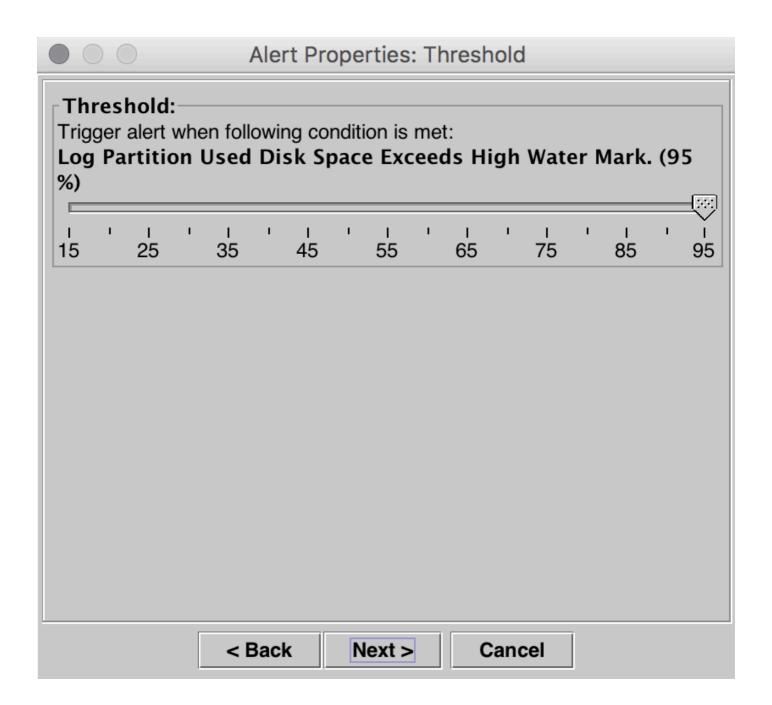
Adjust High WaterMark

When on the right pane, under $System\ Right$, click $LogPartitionHighWaterMarkExceeded > Set\ Alert/Properties$.

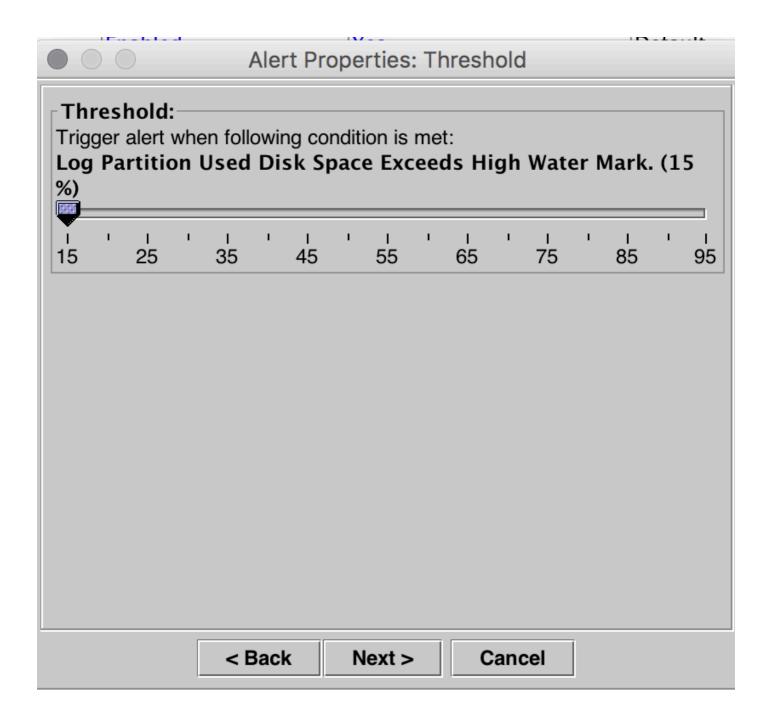


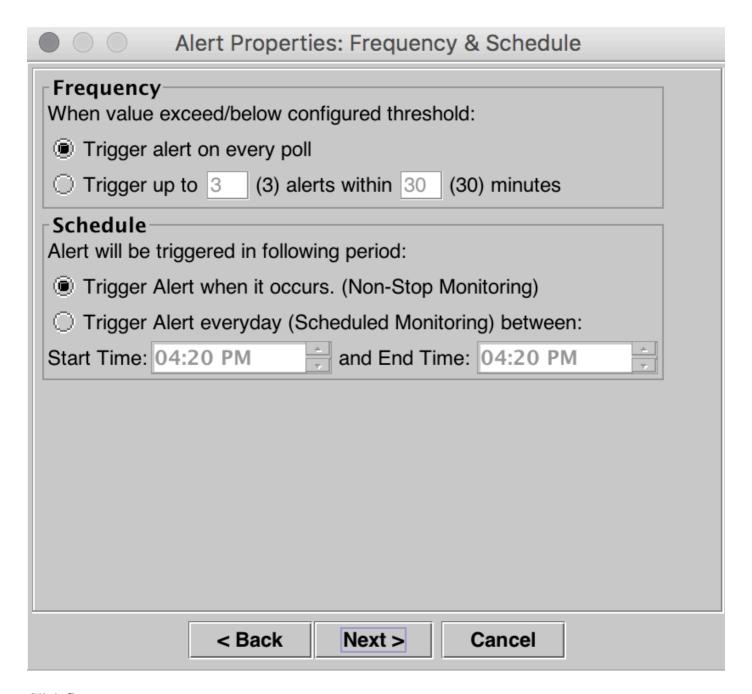
• • •	Alert Properties: Gene	eral	
Name: LogPartitionLov	wWaterMarkExceeded		
☑ Enable Alert	S	Severity: Critical	
Enable/Disable this alert on following server(s):			
	erver	Enable	
10.1 99			
Description:			
This alert occurs when the LogPartitionLowWaterMarkExceeded event is generated. This indicates that the percentage of used disk space in the log partition has exceeded the configured low water mark.			
Recommended Action: Check if the configured low water mark for used disk space in the log partition is too low. And also please examine each application trace log files and clean up those that are too old and too big before the used disk space exceeds the high water mark.			
<u> </u>		Cancel	

By default, High WaterMark is set to 95%.

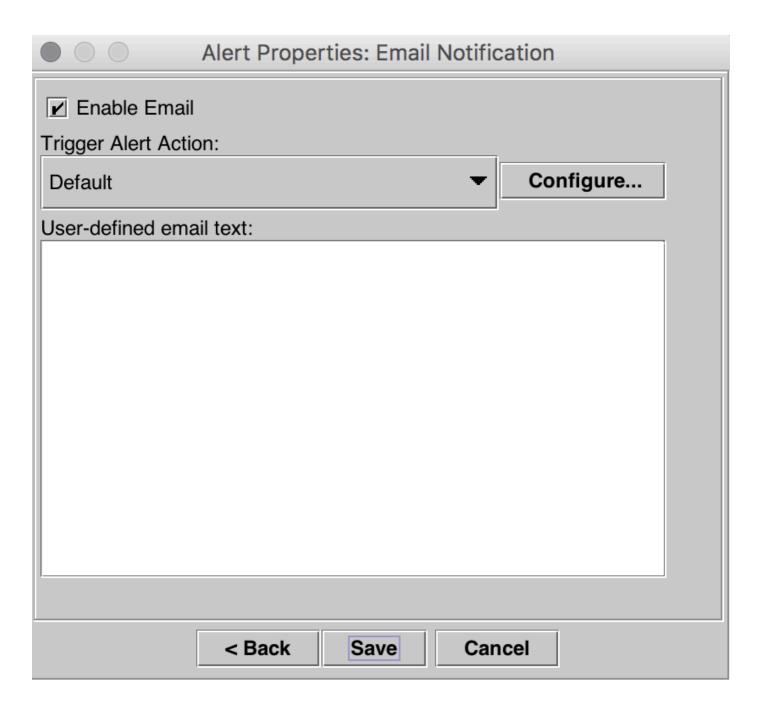


Set the **High WaterMark** to a lower value, based on your requirement, and then click **Next**.





Click Save.



Verify

The additional disk space is created in the logging partition. After you adjust the High and Low WaterMarks, it can be verified through the **Show Status** command on the CLI on the Call Manager.

Before the WaterMark was adjusted.

<#root>

admin:show status

Host Name : publisher

Date : Thu Jul 21, 2016 16:07:16

Time Zone : India Standard Time (Asia/Kolkata)

Locale : en_US.UTF-8
Product Ver : 10.0.1.10000-24
Unified OS Version : 10.0.0.0-2

Uptime:

16:07:17 up 72 days, 21:01, 1 user, load average: 0.21, 0.16, 0.11

CPU Idle: 93.06% System: 02.40% User: 04.29% IOWAIT: 00.25% IRQ: 00.00% Soft: 00.00%

Memory Total: 8062096K
 Free: 133808K
 Used: 7928288K
 Cached: 3312040K
 Shared: 0K
 Buffers: 342228K

Total Free Used
Disk/active 22187548K 9256672K 12705464K (58%)
Disk/inactive 22187548K 20884420K 176064K (1%)

47443520K

25836240K (36%)

After the WaterMark was adjusted.

<#root>

Disk/logging

admin:show status

Host Name : publisher

Date : Thu Jul 21, 2016 16:35:48

77201424K

Time Zone : India Standard Time (Asia/Kolkata)

Locale : en_US.UTF-8
Product Ver : 10.0.1.10000-24
Unified OS Version : 10.0.0.0-2

Untime

16:35:49 up 72 days, 21:29, 1 user, load average: 0.09, 0.12, 0.16

CPU Idle: 98.61% System: 00.88% User: 00.51% IOWAIT: 00.00% IRQ: 00.00% Soft: 00.00%

Memory Total: 8062096K Free: 1957460K Used: 6104636K Cached: 1477332K Shared: 0K Buffers: 360100K

Total Free Used
Disk/active 22187548K 9256660K 12705476K (58%)
Disk/inactive 22187548K 20884420K 176064K (1%)
Disk/logging 77201424K 54805132K 18474628K (26%)

As seen in the **Show Status** output, the percentage value of the Used Disk/Logging partition has changed from 36% to 26%.

Troubleshoot

There is currently no specific information available to troubleshoot this configuration.		