交换机上的备份和恢复或交换固件

目标

固件是控制交换机操作和功能的程序。它是软硬件的组合,将程序代码和数据存储在其中,以 便设备运行。

如果出于任何原因想在更新到最新版本后恢复非活动或以前的固件,创建固件备份非常有用 ,反之亦然。

本文档旨在向您展示如何备份、恢复或交换交换处上的固件。

适用设备

- Sx250 系列
- Sx350 系列
- SG350X 系列
- Sx550X 系列

软件版本

• 2.2.0.66

备份和恢复或交换固件

备份固件

步骤1.登录到交换机的基于Web的实用程序,然后选择Administration > File Management > Firmware Operations。



步骤2.单击Backup Firmware单选按钮作为Operation Type。

Firmware Operations	j
Active Firmware File: Active Firmware Version:	image_tesla_Sx250-350_Sx350X-550X_2.2.0.66.bin 2.2.0.66
Operation Type:	 Update Firmware Backup Firmware Swap Image
Copy Method:	
Apply Cancel	

步骤3.单击HTTP/HTTPS单选按钮作为Copy Method。

Firmware Operations	5
Active Firmware File: Active Firmware Version:	image_tesla_Sx250-350_Sx350X-550X_2.2.0.66.bin 2.2.0.66
Operation Type:	 Update Firmware Backup Firmware Swap Image
Copy Method:	● HTTP/HTTPS ↓ ● USB
Apply Cancel)

注:如果**要**将固件复制到USB闪存驱动器,请选择USB。

步骤4.单击"**应用"**。

	Firmware Operations		
	Active Firmware File:	image_tesla_Sx250-350_Sx350X-550X_2.2.0.66.bin	
	Active Firmware Version:	2.2.0.66	
	Operation Type:	 Update Firmware Backup Firmware Swap Image 	
	Copy Method:		
l	Apply Cancel)	

随后将出现一个进度条,显示备份过程的进度。



完成该过程后,进度栏消失,屏幕将用复选标记指示备份过程成功。



恢复或交换固件

重要信息:在继续之前,请确保您已从思科网站下载要恢复或交换的固<u>件版本</u>。

步骤1.在基于Web的实用程序中,选择Administration > File Management > Firmware Operations。

 Administration 		
System Se	ettings	
Stack Mar	agement	
User Acco	unts	
Idle Sessi	on Timeout	
Time Setti	ngs	
System Lo	g	
🔻 File Mana	gement	
Firmwar	e Operations	

步骤2.单击"交**换映像"**。

	Firmware Operations	
	Active Firmware File:	image_tesla_Sx250-350_Sx350X-550X_2.2.0.66.bin
	Active Firmware Version:	2.2.0.66
	Operation Type:	 Update Firmware Backup Firmware Swap Image
	Active Image After Reboot:	[image_tesla_Sx250-350_Sx350X-550X_2.2.0.63.bin ▼]
	Active Image Version Number After Reboot:	2.2.0.63

步骤3.检查并验证活动固件版本。这是您的设备当前使用的固件。

I	Fi	rmware Operations	
		Active Firmware File:	image_tesla_Sx250-350_Sx350X-550X_2.2.0.66.bin
		Active Firmware Version:	2.2.0.66
		Operation Type:	 Update Firmware Backup Firmware Swap Image
		Active Image After Reboot:	[image_tesla_Sx250-350_Sx350X-550X_2.2.0.63.bin ▼
		Active Image Version Number After Reboot:	2.2.0.63

步骤4.从重新启动后的活动映像下拉列表中选择要在交换机上恢复的固件版本。

Firmware Operations	
Active Firmware File:	image_tesla_Sx250-350_Sx350X-550X_2.2.0.66.bin
Active Firmware Version:	2.2.0.66
Operation Type:	 Update Firmware Backup Firmware Swap Image
Active Image After Reboot:	image_tesla_Sx250-350_Sx350X-550X_2.2.0.63.bin 🔻
Active Image Version Number After Reboot:	2.2.0.63
Apply Cancel	

步骤5.单击"**应用"**。

Firmware Operations	
Active Firmware File:	image_tesla_Sx250-350_Sx350X-550X_2.2.0.66.bin
Active Firmware Version:	2.2.0.66
Operation Type:	 Update Firmware Backup Firmware Swap Image
Active Image After Reboot:	[image_tesla_Sx250-350_Sx350X-550X_2.2.0.63.bin ▼
Active Image Version Number After Reboot:	2.2.0.63
Apply Cancel	

当流程完成后,屏幕将用复选标记指示流程成功。



重新启动交换机

要应用已恢复的固件版本,必须重新启动交换机。



步	骤2	单击'	'立.	即"。	,
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Reboot
To reboot the device, click the 'Reboot' button.
Reboot: 💿 Immediate
O Date Jan 01 Time 00 00 HH:MM
○ In 00 Days 00 Hours 00 Minutes

步骤3.(可选)选中Clear Startup Configuration File**复选框**,在交换机重新启动后删除启动配 置。选择此选项后,交换机实际上会执行出厂默认重置,因为运行配置和启动配置都会在重新 启动时删除。

Reboot
To reboot the device, click the 'Reboot' button.
Reboot: Immediate
O Date Jan 01 1me 00 00 HH:MM O In 00 Days 00 Hours 00 Minutes
Restore to Factory Defaults
Clear Startup Configuration File

步骤4.单击"重**新启动**"。

Reboot	
To reboot the	device, click the 'Reboot' button.
Reboot: 💿	Immediate
0	In 00 - Days 00 - Hours 00 - Minutes
Restore to Factory Defaults	
🔽 Clear Sta	rtup Configuration File
Reboot	Cancel Reboot Cancel

然后交换机将重新启动。此过程可能需要几分钟。

验证 活动固件

要验证固件是否已成功恢复,请执行以下操作:

步骤1.在基于Web的实用程序中,选择Administration > File Management > Firmware Operations。



步骤2.检查活动固件版本以验证固件是否已成功恢复到交换机。

Firmware Operations		
	Active Firmware File:	image_tesla_Sx250-350_Sx350X-550X_2.2.0.63.bin
	Active Firmware Version:	2.2.0.63
	Operation Type:	 Update Firmware Backup Firmware Swap Image
	Copy Method:	

您现在应该已成功备份并恢复交换机的固件。