Cisco Unified Communication Manager (CUCM) 备份配置与故障排除

目录

简介 <u>先决条件</u> 要求 使用的组件 背景信息 配置 通过 GUI 程序添加备份设备 通过 CLI 程序添加备份设备 添加备份设备的日志分析 通过 GUI 程序启动手动备份 通过 CLI 程序启动手动备份 通过 GUI 程序启用计划备份 通过 CLI 程序启用计划备份 CUCM 删除旧备份示例 已成功创建的新备份和已删除的旧备份的日志分析 验证 故障排除

简介

本文档介绍将备份设备添加至 Cisco Unified Communications Manager (CUCM) 的过程。

先决条件

要求

Cisco 建议您了解以下主题:

- Cisco Unified Communications Manager (CUCM)
- 安全文件传输协议 (SFTP) 服务器管理

使用的组件

- Cisco Unified Communications Manager 11.5
- Linux SFTP 服务器

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原 始(默认)配置。如果您的网络处于活动状态,请确保您了解所有命令的潜在影响。

背景信息

在您所处的环境中使用任何软件进行备份的目的是能够在发生灾难的情况下进行恢复。备份非常重要,可防止在软件损坏、硬件发生故障或发生自然灾难时丢失数据。

CUCM 和 SFTP 拓扑如图所示:



配置

通过 GUI 程序添加备份设备

第 1 步: 导航至 CUCM > Disaster Recovery System(灾难恢复系统) > Backup(备份)> Backup Device(备份设备),然后点击**Add New(新增)**,如图所示**:**

Navigation	Disaster Recovery System 🗸	Go
admin <u>Se</u>	Cisco Unified Reporting	.oqout
	Cisco Unified CM Administration	
	Disaster Recovery System	
	Cisco Unified Serviceability	
	Cisco Unified OS Administration	



Backup - Restore - Help -
Backup Device List
Add New
e Statue
Status: No records found
Backup Device List
No backup device configured.
Add New
The Backup Device which is associated with 1 or more schedule(s) cannot be deleted.

第2步: 添加备份设备名称、IP 地址、路径名称、用户名和密码,如图所示:

- IP 地址必须是存储备份的目标 SFTP 服务器。
- 路径名称是存储备份的 SFTP 服务器内的目录。
- SFTP 服务器中必须有用户名和密码,以进行身份验证。
- 要存储在网络目录中的备份数量必须设置为需要在 SFTP 目录中保留的备份数量。 完成后,单击 Save(保存)。

Backup - Restore - Help -	
Backup Device	
Save Back	
- Status	
Status	
Status:Ready	
Backup device name	
Backup device name*	TAC-Backup
- Select Destination*	
Network Directory	
Host name/IP address	192 250
Path name	/UCM/Backups/
User name	cisco
Deerward	
Password	
Number of backups to store on Network Directory	
Save Back	

确认**更新成功,如图所示**:

Backup Device			
📊 Save 🖕 Back			
Status			
Update successful			
Backup device name			
Backup device name*		TAC-Backup	
Select Destination*			
Network Directory			
	Host name/IP address	192. 250	
	Path name	/UCM/Backups/	
	User name	cisco	
	Password	•••••	
Number of backups to store	on Network Directory	1 ~	
Save Back			

通过 CLI 程序添加备份设备

第 1 步: 将安全外壳 (SSH) 纳入 CUCM 发布方的 IP 地址中,并使用操作系统 (OS) 用户名和密码 进行身份验证,如图所示:

🕵 PuTTY Configuration		? ×	
Category:	Basic options for your PuTTY see Specify the destination you want to connec	sion at to	
···· Keyboard ···· Bell ···· Features ⊡·· Window	Host Name (or IP address) 192. 06 Connection type: Raw Raw Telnet Rlogin	Port 22 O Serial	
Appearance Behaviour Translation Selection	Load, save or delete a stored session Saved Sessions		
Connection Data Proxy Telnet	Default Settings	Load Save Delete	
Rlogin ⊡ SSH Serial	Close window on exit: Always Never Only on clo	ean exit	
About Help	Open	Cancel	

🗬 192. 106 - PuTTY

login as: admin admin@192. 106's password: Command Line Interface is starting up, please wait
Welcome to the Platform Command Line Interface
VMware Installation:
Disk 1: 80GB. Partitions aligned
6144 Mbytes RAM

第2步: 使用以下语法添加备份设备: utils disaster_recovery device add network<backup device name> <path> <ip-address of remote server> <username> [备份数量],如图所示:

Page 192. 106 - PuTTY
admin:utils disaster_recovery device add network TAC-Backup /UCM/Backups/ 192. .250 cisco l
Please enter password to connect to network server 192. .250:*****
drfCliMsg: Backup Device has been saved successfully.
admin:

在执行此添加备份设备程序时,将在 CUCM 中完成以下步骤:

- 1. 联系 SFTP 服务器并进行身份验证
- 2. 将测试文件传输到目录
- 3. 断开与 SFTP 服务器的连接
- 4. 联系 SFTP 服务器并进行身份验证
- 5. 删除目录中的测试文件
- 6. 断开与 SFTP 服务器的连接

注意:如果这些步骤中的任何一个失败,CUCM 将无法添加备份设备。

添加备份设备的日志分析

发送 UpdateDestination 请求以添加新备份目标 2018-12-24 11:39:22,494 DEBUG [NetMessageDispatch] - drfMessageValidator.validateMessage(): Starting introspection for Message ID = 3200 Message Body = ====== BEGIN msgSubUpdateDestination_REQ ========= devicepath : /UCM/Backups/ devicetype : NETWORK hostname : 192.X.X.250 m_iBackupSetCount : 1 password : 8f5fcb108a798014abff9ab4fc006f2a83027d6c858f0ac9b2720a32ba1b8d3c storagelocationname : TAC-Backup username : cisco version : 1.0.0 schedules : [] ======= END msgSubUpdateDestination_REQ =========

2018-12-24 11:39:23,168 DEBUG [NetMessageDispatch] - drfUtils:establishSftpConnection: Trying to connect to the SFTP server.

2018-12-24 11:39:23,171 DEBUG [NetMessageDispatch] - drfUtils:establishSftpConnection: Connecting SFTP server...

2018-12-24 11:39:23,373 DEBUG [NetMessageDispatch] - drfUtils:establishSftpConnection: Authentication Completed Successfully, connected to remote server. Now opening a SFTP channel.

2018-12-24 11:39:23,580 DEBUG [NetMessageDispatch] - drfUtils:sftpPutFile: SSH Authentication success for user cisco on 192.X.X.250

2018-12-24 11:39:23,581 DEBUG [NetMessageDispatch] - drfUtils:sftpPutFile: Transferring files from: /common/drf/d3-sb-11pub_dUmmI_Drf to the server: 192.X.X.250 /UCM/Backups/d3-sb-11pub_dUmmI_Drf

2018-12-24 11:39:23,581 DEBUG [NetMessageDispatch] - drfSftpProgressMonitor:: STARTING: 0 /common/drf/d3-sb-11pub_dUmmI_Drf -> /UCM/Backups/d3-sb-11pub_dUmmI_Drf total: 0

2018-12-24 11:39:23,585 DEBUG [NetMessageDispatch] - drfSftpProgressMonitor:: ...File Transfer Completed

2018-12-24 11:39:23,586 DEBUG [NetMessageDispatch] - drfUtils:closeSFTPConnections: Closing ChannelSftp... 2018-12-24 11:39:23,586 DEBUG [NetMessageDispatch] - drfUtils:closeSFTPConnections: Disconnecting Channel... 2018-12-24 11:39:23,586 DEBUG [NetMessageDispatch] - drfUtils:closeSFTPConnections: Closing Session...

2018-12-24 11:39:23,586 DEBUG [NetMessageDispatch] - drfUtils:establishSftpConnection: Trying to connect to the SFTP server.

2018-12-24 11:39:23,587 DEBUG [NetMessageDispatch] - drfUtils:establishSftpConnection: Connecting SFTP server...

2018-12-24 11:39:23,733 DEBUG [NetMessageDispatch] - drfUtils:establishSftpConnection: Authentication Completed Successfully, connected to remote server. Now opening a SFTP channel.

2018-12-24 11:39:24,277 DEBUG [NetMessageDispatch] - drfUtils:sftpDeleteFile: Deleting files /UCM/Backups/d3-sb-11pub_dUmmI_Drf from the server: 192.X.X.250

2018-12-24 11:39:24,277 INFO [NetMessageDispatch] - drfutils.sftpDeleteFiles: Successfully deleted /UCM/Backups/d3-sb-11pub_dUmmI_Drf on the Server 192.X.X.250

CUCM 将关闭 ChannelSftp...

2018-12-24 11:39:24,278 DEBUG [NetMessageDispatch] - drfUtils:closeSFTPConnections: Closing ChannelSftp... 2018-12-24 11:39:24,278 DEBUG [NetMessageDispatch] - drfUtils:closeSFTPConnections: Disconnecting Channel... 2018-12-24 11:39:24,278 DEBUG [NetMessageDispatch] - drfUtils:closeSFTPConnections: Closing Session... 2018-12-24 11:39:24,278 DEBUG [NetMessageDispatch] - drfUtils:isSftpLocationAccessible: Closing SFTP Client...

通过 GUI 程序启动手动备份

第 1 步: 导航至 CUCM > Disaster Recovery System(灾难恢复系统)> Backup(备份)> Manual Backup(手动备份),如图所示**:**





第 2 步: **选择备份设备、要备份的功能, 然后点击"Start"(开始)**。在本例中,仅备份 UCM 功能 ,如图所示:

Backup - Restore - Help -		
Manual Backup		
Start Backup		
ך Status		
Status:Ready		
Select Backup Device		
Device Name* TAC-Backup		
Select Features *		
MUCM		
$\ensuremath{{\mbox{\sc l}}}$ The following components are registered with Disaster Recovery	/ System:	
Fastura	Carriar	
UCM	D3-SB-11PUB	CDPAGT
UCM	D3-SB-11PUB	SYSLOGAGT
UCM	D3-SB-11PUB	PLATEORM
LICH.		FDAILORM
UCM	D3-SB-11PUB	CLM
UCM	D3-SB-11PUB D3-SB-11PUB	CLM CCMDB
UCM UCM	D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB	CLM CCMDB TCT
	D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB	CLM CCMDB TCT CCMPREFS
	D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB	CLM CCMDB TCT CCMPREFS TFTP
	D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB D3-SB-11PUB	CLM CCMDB TCT CCMPREFS TFTP MOH
	D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB	CLM CCMDB TCT CCMPREFS TFTP MOH ANN
UCM UCM UCM UCM UCM UCM UCM UCM	D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB	CLM CCMDB TCT CCMPREFS TFTP MOH ANN BAT
UCM UCM UCM UCM UCM UCM UCM UCM	D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB	CLM CCMDB TCT CCMPREFS TFTP MOH ANN BAT CEF
UCM UCM UCM UCM UCM UCM UCM UCM UCM	D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB	CLM CCMDB TCT CCMPREFS TFTP MOH ANN BAT CEF REPORTER
UCM UCM UCM UCM UCM UCM UCM UCM UCM UCM	D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB	CLM CCMDB TCT CCMPREFS TFTP MOH ANN BAT CEF REPORTER DNALIASLOOKUP
UCM UCM UCM UCM UCM UCM UCM UCM UCM UCM	D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB	CLM CCMDB TCT CCMPREFS TFTP MOH ANN BAT CEF REPORTER DNALIASLOOKUP DNALIASLOOKUP
UCM UCM UCM UCM UCM UCM UCM UCM UCM UCM	D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB	CLM CCMDB TCT CCMPREFS TFTP MOH ANN BAT CEF REPORTER DNALIASLOOKUP DNALIASLOOKUP DNALIASSYNC CAR
UCM UCM UCM UCM UCM UCM UCM UCM UCM UCM	D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB	CLM CCMDB TCT CCMPREFS TFTP MOH ANN BAT CEF REPORTER DNALIASLOOKUP DNALIASLOOKUP DNALIASSYNC CAR ELM-AGENT
UCM UCM UCM UCM UCM UCM UCM UCM UCM UCM	D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB D3-S8-11PUB	CLM CCMDB TCT CCMPREFS TFTP MOH ANN BAT CEF REPORTER DNALIASLOOKUP DNALIASLOOKUP DNALIASSYNC CCAR ELM-AGENT ELM-SERVER

•在备份过程中,您会看到状态指示,如图所示:

Backup - Restor	re 🕶 Help 🕶	·				
Backup Status						
Refresh	Cancel					
Status Backup ope	eration in progress for serv	ver [D3-SB-11PUB], please wait *				
Backup detail	s					
Tar Filename: Backup Device Operation: Percentage Co	20 NE BA omplete: 26	18-12-24-13-04-38.tar TWORK \CKUP %				
Feature	Server	Component	Status	Result **	Start Time	Log File *
UCM	D3-SB-11PUB	CDPAGT	100	SUCCESS	Mon Dec 24 13:04:38 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm cdpagt.log
UCM	D3-SB-11PUB	SYSLOGAGT	100	SUCCESS	Mon Dec 24 13:04:40 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm syslogagt.log
UCM	D3-SB-11PUB	PLATFORM	100	SUCCESS	Mon Dec 24 13:04:41 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm platform.log
UCM	D3-SB-11PUB	CLM	100	SUCCESS	Mon Dec 24 13:04:44 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm clm.log
UCM	D3-SB-11PUB	CCMDB	0	Active	Mon Dec 24 13:04:44 PST 2018	
UCM	D3-SB-11PUB	TCT	0			
UCM	D3-SB-11PUB	CCMPREFS	0			
UCM	D3-SB-11PUB	TFTP	0			
UCM	D3-SB-11PUB	MOH	0			
UCM	D3-SB-11PUB	ANN	0			
UCM	D3-SB-11PUB	BAT	0			
UCM	D3-SB-11PUB	CEF	0			
UCM	D3-SB-11PUB	REPORTER	0			
UCM	D3-SB-11PUB	DNALIASLOOKUP	0			
UCM	D3-SB-11PUB	DNALIASSYNC	0			
Refresh				Cancel B	lackup	

• 备份完成后,您会看到一条成功消息,指示已在 CUCM 中完成备份,如图所示:

Backup - Restore	e 🕶 Help 🕶					
Backup Status						
Refresh	Cancel					
		•				
-Status						
SUCCESS: 8	Backup Completed					
		J				
Backup details	5					
Tar Filename:		2018-12-24-13-04-38.tar				
Backup Device	:	NETWORK				
Operation:	moleter	100%				
Percentage Con	implete:	100%			_	
Feature	Server	Component	Status	Result **	Start Time	Log File *
UCM	D3-SB-11PUB	CDPAGT	100	SUCCESS	Mon Dec 24 13:04:38 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm cdpaqt.log
UCM	D3-SB-11PUB	SYSLOGAGT	100	SUCCESS	Mon Dec 24 13:04:40 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm syslogagt.log
UCM	D3-SB-11PUB	PLATFORM	100	SUCCESS	Mon Dec 24 13:04:41 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm platform.log
UCM	D3-SB-11PUB	CLM	100	SUCCESS	Mon Dec 24 13:04:44 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm clm.log
UCM	D3-SB-11PUB	CCMDB	100	SUCCESS	Mon Dec 24 13:04:44 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm ccmdb.log
UCM	D3-SB-11PUB	TCT	100	SUCCESS	Mon Dec 24 13:04:59 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm tct.log
UCM	D3-SB-11PUB	CCMPREFS	100	SUCCESS	Mon Dec 24 13:05:00 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm ccmprefs.log
UCM	D3-SB-11PUB	TFTP	100	SUCCESS	Mon Dec 24 13:05:03 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm tftp.log
UCM	D3-SB-11PUB	MOH	100	SUCCESS	Mon Dec 24 13:08:57 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm moh.log
UCM	D3-SB-11PUB	ANN	100	SUCCESS	Mon Dec 24 13:09:00 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm ann.log
UCM	D3-SB-11PUB	BAT	100	SUCCESS	Mon Dec 24 13:09:00 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm bat.log
UCM	D3-SB-11PUB	CEF	100	SUCCESS	Mon Dec 24 13:09:02 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm cef.log
UCM	D3-SB-11PUB	REPORTER	100	SUCCESS	Mon Dec 24 13:09:03 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm reportenlog
UCM	D3-SB-11PUB	DNALIASLOOKUP	100	SUCCESS	Mon Dec 24 13:09:04 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm dnaliaslookup.log
UCM	D3-SB-11PUB	DNALIASSYNC	100	SUCCESS	Mon Dec 24 13:09:05 PST 2018	2018-12-24-13-04-38 b d3-sb-11pub ucm dnaliassync.log
L				L		
Part and						
Refresh				Canc	el Backup	

• 备份完成后,您将在 SFTP 目录中看到 .TAR 文件,如图所示。如果需要恢复,则稍后可使用 这些文件:

root@CM-SF	ſ₽:,	/home/d	cisco/U	UCM/Backups	11			
total 2232	628							
drwxr-xr-x	2	cisco	cisco	20480	Dec	24	13:31	./
drwxr-xr-x	71	cisco	cisco	12288	Dec	21	13:33	/
-rw-rw-r	1	cisco	cisco	23792	Dec	24	13:31	2018-12-24-13-04-38_D3-SB-11PUB_drfComponent.xml
-rw-rw-r	1	cisco	cisco	10272	Dec	24	13:31	2018-12-24-13-04-38_D3-SB-11PUB_UCM_ANN.tar
-rw-rw-r	1	cisco	cisco	3123405	Dec	24	13:31	2018-12-24-13-04-38_D3-SB-11PUB_UCM_BAT.tar
-rw-rw-r	1	cisco	cisco	37990432	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_CCMDB.tar
-rw-rw-r	1	cisco	cisco	13015072	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_CCMPREFS.tar
-rw-rw-r	1	cisco	cisco	20538	Dec	24	13:27	2018-12-24-13-04-38_D3-SB-11PUB_UCM_CDPAGT.tar
-rw-rw-r	1	cisco	cisco	10360	Dec	24	13:31	2018-12-24-13-04-38_D3-SB-11PUB_UCM_CEF.tar
-rw-rw-r	1	cisco	cisco	10335	Dec	24	13:27	2018-12-24-13-04-38_D3-SB-11PUB_UCM_CLM.tar
-rw-rw-r	1	cisco	cisco	20512	Dec	24	13:31	2018-12-24-13-04-38_D3-SB-11PUB_UCM_DNALIASLOOKUP.tar
-rw-rw-r	1	cisco	cisco	10272	Dec	24	13:31	2018-12-24-13-04-38 D3-SB-11PUB_UCM_DNALIASSYNC.tar
-rw-rw-r	1	cisco	cisco	27904032	Dec	24	13:31	2018-12-24-13-04-38_D3-SB-11PUB_UCM_MOH.tar
-rw-rw-r	1	cisco	cisco	1597472	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_PLATFORM.tar
-rw-rw-r	1	cisco	cisco	20577	Dec	24	13:31	2018-12-24-13-04-38 D3-SB-11PUB_UCM_REPORTER.tar
-rw-rw-r	1	cisco	cisco	10298	Dec	24	13:27	2018-12-24-13-04-38_D3-SB-11PUB_UCM_SYSLOGAGT.tar
-rw-rw-r	1	cisco	cisco	10360	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_TCT.tar
-rw-rw-r	1	cisco	cisco	2202353616	Dec	24	13:31	2018-12-24-13-04-38 D3-SB-11PUB_UCM_TFTP.tar
root@CM-SF	ſ₽:,	/home/o	cisco/N	UCM/Backups	ŧ			

通过 CLI 程序启动手动备份

第 1 步: 将安全外壳 (SSH) 纳入 CUCM 发布方的 IP 地址中,并使用操作系统用户名和密码进行 身份验证,如图所示:

🕵 PuTTY Configuration		?	×
Category: Session Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Colours Colours Connection Proxy Telnet Rlogin SSH Serial	Basic options for your PuTTY set Specify the destination you want to connect Host Name (or IP address) 192 06 Connection type: Raw Telnet Raw Telnet Raw Telnet Load, save or delete a stored session Saved Sessions Default Settings Close window on exit: Always Never Only on close	ssion ct to Port 22 C Ser Load Save Delete	rial
About Help	Open	Cance	ł

步骤2.使用命令语法: **utils disaster_recovery backup network** <featurelist> <backup device name>启动手动备份,如图所示:

106 - PuTTY admin:utils disaster_recovery backup network UCM TAC-Backup drfCliMsg: Backup initiated successfully. Please run 'utils disaster_recovery status backup' command to see the status

在备份过程中,您会看到命令语法的状态指示:utils disaster_recovery status backup,如图所示:
 ₽ 192. 106-PUTTY

min:utils disaster recovery status backup
tatus: Backup operation in progress for server [D3-SB-11FUB], please wait
ar Filename: 2018-12-24-13-21-17.tar
torage Location: NETWORK
veration: backup
ercentage Complete: 46
M D3-SB-11PUB CDPAGT SUCCESS Mon Dec 24 13:21:17 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_cdpagt.log
M D3-SB-11PUB SYSLOGAGT SUCCESS Mon Dec 24 13:21:18 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_syslogagt.log
M D3-SB-11PUB PLATFORM SUCCESS Mon Dec 24 13:21:19 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_platform.log
M D3-SB-11PUB CLM SUCCESS Mon Dec 24 13:21:22 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_clm.log
M D3-SB-11PUB CCMDB SUCCESS Mon Dec 24 13:21:23 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_ccmdb.log
M D3-SB-11PUB TCT SUCCESS Mon Dec 24 13:21:36 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_tct.log
M D3-SB-11PUB CCMPREFS SUCCESS Mon Dec 24 13:21:36 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_ccmprefs.log
M D3-SB-11PUB TFTP Active Mon Dec 24 13:21:39 PST 2018
M DJ-SB-11PUB MOH
M D3-SB-11PUB ANN
M D3-SB-11PUB BAT
M D3-SB-11PUB CEF
M D3-SB-11PUB REPORTER
2M D3-SB-11PUB DNALIASLOOKUP
M D3-SB-11PUB DNALIASSYNC

• 备份完成后,您会看到一条包含以下命令语法的成功消息:utils disaster_recovery status

backup,如图所示:
₽ 192. 106 - PuTTY
admin:utils disaster recovery status backup
Status: SUCCESS :Backup Completed
Tar Filename: 2018-12-24-13-21-17.tar
Storage Location: NETWORK
Operation: backup
Percentage Complete: 100
UCM D3-SB-11PUB CDPAGT SUCCESS Mon Dec 24 13:21:17 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_cdpagt.log
UCM D3-SB-11PUB SYSLOGAGT SUCCESS Mon Dec 24 13:21:18 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_syslogagt.log
UCM D3-SB-11PUB PLATFORM SUCCESS Mon Dec 24 13:21:19 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_platform.log
UCM D3-SB-11PUB CLM SUCCESS Mon Dec 24 13:21:22 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_clm.log
UCM D3-SB-11PUB CCMDB SUCCESS Mon Dec 24 13:21:23 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_ccmdb.log
UCM D3-SB-11PUB TCT SUCCESS Mon Dec 24 13:21:36 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_tct.log
UCM D3-SB-11PUB CCMPREFS SUCCESS Mon Dec 24 13:21:36 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_ccmprefs.log
UCM D3-SB-11PUB TFTP SUCCESS Mon Dec 24 13:21:39 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_tftp.log
UCM D3-SB-11PUB MOH SUCCESS Mon Dec 24 13:25:25 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_moh.log
UCM D3-SB-11PUB ANN SUCCESS Mon Dec 24 13:25:27 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_ann.log
UCM D3-SB-11PUB BAT SUCCESS Mon Dec 24 13:25:28 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_bat.log
UCM D3-SB-11PUB CEF SUCCESS Mon Dec 24 13:25:29 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_cef.log
UCM D3-SB-11PUB REPORTER SUCCESS Mon Dec 24 13:25:30 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_reporter.log
UCM D3-SB-11PUB DNALIASLOOKUP SUCCESS Mon Dec 24 13:25:31 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_dnaliaslookup.log
UCM D3-SB-11PUB DNALIASSYNC SUCCESS Mon Dec 24 13:25:32 PST 2018 activelog/platform/drf/log/2018-12-24-13-21-17_b_d3-sb-11pub_ucm_dnaliassync.log
admin

通过 GUI 程序启用计划备份

第1步: 导航至 CUCM > Disaster Recovery System(灾难恢复系统)> Backup(备份)> Scheduler(计划程序)> > Add New(新增),如图所示**:**

Ba	ckup 🔻	Restore	▼ Help ▼
	Backup Device)	
	Schedu	iler	
	Manual Backup		
	History		r Recovery System
	Current	Status	n: 11.5.1.15900-18
	VMwai	re Insta	- Illation: 1 vCPU@ Intel(R) Xeon(R) CPU E5-2690 v4 @ 2.60GH

Disaster Recovery System For Cisco Unified Communications Solutions									
Backup - Restore - Help -									
Schedule List									
Add New									
Status Status: No records found									
Schedule List									
No Schedules configured.									
Add New									

第 2 步: **为自动备份任务添加名称**,如图所示:

Scheduler											
Save 🧬 Set Default 💿 Disable Schedule 🖒 Enable Schedule 🤙 Back											
- Status											
Status:Ready											
Schedule Name											
Schedule Name* Weekly-Backup											
- Select Backup Device											

步骤 3。选择备份设备

Scheduler		
Save 🤣 Set Default 🔵 Disable Schedule	Enable Schedule Hack	
Status		
Status:Ready		
Schedule Name*	Weekly-Backup	
-Select Backup Device		
Device Name*	TAC-Backup ~	

第4步:选择要备份的功能

_ Select Backup Device									
Device Name*	TAC-Backup v								
- Select Features *									
⊠исм		D PLM							
The following components are registered with Disaster Recovery System:									

第 5 步: 选择开始日期,然后**选择频率**:

Chart Backup atta						
-Start backup at						
Date	2018 v Dec v 30 v		Time	00 🗸 Hour	00 🗸 Minute	
Frequency*						
O Daily						
Weekly						
	Monday	Tuesday		Wednesday		Thursday
	☐ Friday	Saturday		Sunday		
O Monthly						

第6步:**保存**



第7步: 启用计划备份:

Bachup + Restore + Hep +											
Schedule List											
Add New III Select AI III Clear AI 💥 Delete Selected Schedules 🕒 Enable Selected Schedules											
Status Status: 1 records found											
C Schedule List											
	Schedule Name	Device Name	Device Path	Schedule Status							
	Weekly-Backup	TAC-Backup	192. 250 : /UCM/Backups/	Disabled							
Backup 🔻 Restore	e ▼ Heip ▼										
Schedule List											
👍 Add New 🏢 Select Al 🔛 Clear Al 💥 Dekte Selected 🕨 Enable Selected Schedules 🔴 Disable Selected Schedules											
Status											
Status: Enabled successfully											
CSchedule List											
	Schedule Name	Device Name	Device Path	Schedule Status							
	Weekly-Backup	TAC-Backup	192. 250 : /UCM/Backups/	Enabled							

通过 CLI 程序启用计划备份

第 1 步: 将安全外壳 (SSH) 纳入 CUCM 发布方的 IP 地址中,并使用操作系统用户名和密码进行 身份验证,如图所示:

🕵 PuTTY Configuration		?	\times
WITTY Configuration Category: □ Session □ Logging □ Terminal □ Keyboard □ Bell □ Features □ Window □ Appearance □ Behaviour □ Translation □ Colours □ Oclours □ Proxy □ Telnet □ Rlogin □ Serial	Basic options for your PuTTY sess Specify the destination you want to connect Host Name (or IP address) 192.06 Connection type: Raw O Telnet O Rlogin SSH Load, save or delete a stored session Saved Sessions Default Settings Close window on exit: Always O Never	? iion to Port 22 O Se Load Save Delete	× rial
About	Always Never Only on cle	an exit	-
nout nep	Open	Cance	21

第2步:使用以下命令语法添加计划备份:**utils disaster_recovery schedule add <**schedulename> <devicename> <featurelist> <datetime> <frequency>,如图所示:



第3步:使用以下命令语法**启用计划备份:utils disaster_recovery schedule** enable<schedulename>,如图所示:



CUCM 删除旧备份示例

备份数量设置为1的备份设备配置,如图所示:

Backup Device			
🔚 Save 🖕 Back			
e 1			
Status			
③ Status:Ready			
- Rackup device name-			
backup device name			
Backup device name*		TAC-Backup	
-Select Destination*			
Select Destination			
Network Directory			
	Host name/IP address	192. 250	
	Path name	/UCM/Backups/	
	User name	cisco	
	Paceword		
Number of backups to store	on Network Directory	1 ~	

仅有1个备份可用(16个文件)的备份目录,如图所示:

root@CM-SFTP:/home/cisco/UCM/Backups# 11												
total 2232628												
drwxr-xr-x	2	cisco	cisco	20480	Dec	24	13:31	./				
drwxr-xr-x	71	cisco	cisco	12288	Dec	21	13:33	/				
-rw-rw-r	1	cisco	cisco	23792	Dec	24	13:31	2018-12-24-13-04-38_D3-SB-11PUB_drfComponent.xml				
-rw-rw-r	1	cisco	cisco	10272	Dec	24	13:31	2018-12-24-13-04-38_D3-SB-11PUB_UCM_ANN.tar				
-rw-rw-r	1	cisco	cisco	3123405	Dec	24	13:31	2018-12-24-13-04-38 D3-SB-11PUB_UCM_BAT.tar				
-rw-rw-r	1	cisco	cisco	37990432	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_CCMDB.tar				
-rw-rw-r	1	cisco	cisco	13015072	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_CCMPREFS.tar				
-rw-rw-r	1	cisco	cisco	20538	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_CDPAGT.tar				
-rw-rw-r	1	cisco	cisco	10360	Dec	24	13:31	2018-12-24-13-04-38 D3-SB-11PUB_UCM_CEF.tar				
-rw-rw-r	1	cisco	cisco	10335	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_CLM.tar				
-rw-rw-r	1	cisco	cisco	20512	Dec	24	13:31	2018-12-24-13-04-38 D3-SB-11PUB_UCM_DNALIASLOOKUP.tar				
-rw-rw-r	1	cisco	cisco	10272	Dec	24	13:31	2018-12-24-13-04-38 D3-SB-11PUB_UCM_DNALIASSYNC.tar				
-rw-rw-r	1	cisco	cisco	27904032	Dec	24	13:31	2018-12-24-13-04-38 D3-SB-11PUB_UCM_MOH.tar				
-rw-rw-r	1	cisco	cisco	1597472	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_PLATFORM.tar				
-rw-rw-r	1	cisco	cisco	20577	Dec	24	13:31	2018-12-24-13-04-38 D3-SB-11PUB_UCM_REPORTER.tar				
-rw-rw-r	1	cisco	cisco	10298	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_SYSLOGAGT.tar				
-rw-rw-r	1	cisco	cisco	10360	Dec	24	13:27	2018-12-24-13-04-38 D3-SB-11PUB_UCM_TCT.tar				
-rw-rw-r	1	cisco	cisco	2202353616	Dec	24	13:31	2018-12-24-13-04-38 D3-SB-11PUB_UCM_TFTP.tar				
root@CM-SFTP:/bome/cisco/UCM/Backups#												

CUCM 先开始传输备份文件,然后再删除旧备份(达到 32 个文件):

Backup - Restore					_															
Backup Status						root@CN	1-SFTP:/	/home/cisco/	UCM/Backups									-		×
Refresh Cancel Status						ot@CM-SE otal 2430 wxr-xr-x wxr-xr-x w-rw-r	FTP:/h 0840 c 2 c c 71 c - 1 c - 1 c	ome/cisco isco cisc isco cisc isco cisc isco cisc	/UCM/Backup 0 2048 0 1228 0 2379 0 1027	s# 11 0 Dec 2: 0 Dec 2: 6 Dec 2: 2 Dec 2:	5 11:35 1 13:33 1 13:48 1 13:48	./ / 2018-1 2018-1	2-24-13 2-24-13	-21-17	_D3-SB-	-11PUB_ -11PUB_	drfCom UCM_AN	ponent N.tar	.xml	Î
Backup operation in progress for server [D3-SB-11PUB], please wait Backup details						M-IM-I M-IM-I M-IM-I M-IM-I	- 1 c - 1 c - 1 c - 1 c	isco ciso isco ciso isco ciso isco ciso	o 312340 o 3802115 o 1301507 o 2053	5 Dec 2 2 Dec 2 2 Dec 2 8 Dec 2	13:48 13:44 13:44 13:44	2018-1 2018-1 2018-1 2018-1	2-24-13 2-24-13 2-24-13 2-24-13	-21-17 -21-17 -21-17	_D3-SB- D3-SB- D3-SB- D3-SB- D3-SB-	-11PUB_ -11PUB_ -11PUB_ -11PUB_	UCM BA UCM CC UCM CC UCM CD	T.tar MDB.ta MPREFS PAGT.t		
Tar Filename: 2018-12-25-11-12-03.tar Backup Device: NETWORK Operation: BACKUP Percentage Complete: 46%						- 1 c - 1 c - 1 c - 1 c - 1 c	isco ciso isco ciso isco ciso isco ciso isco ciso	o 1036 o 1033 o 2051: o 1027 o 2790403	0 Dec 2 5 Dec 2 2 Dec 2 2 Dec 2 2 Dec 2 2 Dec 2 2 Dec 2	13:48 13:44 13:48 13:48 13:48 13:48	2018-1 2018-1 2018-1 2018-1 2018-1 2018-1	2-24-13 2-24-13 2-24-13 2-24-13 2-24-13 2-24-13	-21-17 -21-17 -21-17 -21-17 -21-17	D3-SB- D3-SB- D3-SB- D3-SB- D3-SB- D3-SB-	-11PUB_ -11PUB_ -11PUB_ -11PUB_ -11PUB_ -11PUB_	UCM_CL UCM_CL UCM_DN UCM_DN UCM_NO	F.tar M.tar ALIASI ALIASS H.tar	DOKUP YNC.t	ter ar	
Feature	Server	Component	Status	Result **		w-rw-r	- 1 c - 1 c	isco ciso	0 2057	7 Dec 2	13:44	2018-1	2-24-13	-21-17	_D3-SB-	-11PUB_	UCM RE	PORTER	.tar	
UCM UCM UCM UCM UCM UCM UCM UCM UCM UCM	D3-58-11PUB D3-58-11PUB D3-58-11PUB D3-58-11PUB D3-58-11PUB D3-58-11PUB D3-58-11PUB D3-58-11PUB D3-58-11PUB D3-58-11PUB D3-58-11PUB D3-58-11PUB D3-58-11PUB	CDPAGT SYSLOGAGT PLATFORM CCMDB TCT CCMDB TCT CCMPREFS TFTP MOH ANN BAT CEF REPORTER DNALLASCOKUP ONALLASSYNC	100 100 100 100 100 0 0 0 0 0 0 0 0 0 0	SUCCESS SUCCESS SUCCESS SUCCESS SUCCESS SUCCESS Active 	Tue Dec 2 2 Tue Dec	W-EW-I W-IW-I	- 1 c - 1 c 1 c 	isco cisc isco cisc isco cisc isco cisc isco cisc isco cisc isco cisc isco cisc isco cisc isco cisc ome/cisco come/cisco come/cisco	o 1029 0 1036 0 22035361 0 4242435 0 1301507 0 2053 0 1333 0 159747 0 1033 0 159747 0 1036 0 14583398 /UCM/Backup /UCM/Backup /UCM/Backup	8 Dec 2: 0 Dec 2: 0 Dec 2: 2 Dec 2: 2 Dec 2: 2 Dec 2: 5 Dec 2: 2 Dec 2: 0 Dec 2: 4 Dec 2: 5 Dec 2: 5 Dec 2: 5 Dec 2: 5 Dec 2: 6 Dec 2: 6 Dec 2: 7 Dec 2: 8 Dec 2: 8 Dec 2: 8 Dec 2: 9 Dec	1 13:44 1 13:44 1 13:48 5 11:35 5 11:35 5 11:34 5 11:34 5 11:34 5 11:34 5 11:34 5 11:35 5 11:35	2018-) 2018-) 2018-) 2018-) 2018-) 2018-) 2018-) 2018-) 2018-) 2018-) 2018-)	2-24-13 2-24-13 2-24-13 2-25-11 2-25-11 2-25-11 2-25-11 2-25-11 2-25-11 2-25-11 2-25-11	-21-17 -21-17 -21-17 -12-03 -12-03 -12-03 -12-03 -12-03 -12-03 -12-03 -12-03	_ D3-SB _ D3-SB	-11908 -11908 -11908 -11908 -11908 -11908 -11908 -11908 -11908 -11908 -11908	UCM_SY UCM_TC UCM_TF UCM_CC UCM_CC UCM_CD UCM_CD UCM_FL UCM_TC UCM_TF	SLOGAG T.tar TP.tar MDB.tar MPREFS PAGT.t M.tar ATFORM SLOGAG T.tar TP.tar	r.tar ar .tar T.tar	
Refresh	ame to view the los	Ela.		Cancel Ba	ackup															~

备份完成后,DRS 将删除旧备份,使其与要在网络目录中存储的备份数量(16 个文件)相符:

Backup · Restore	▪ Help ▪																		
Rackun Status							🖉 🧬 root@CM-SFTP: /home/cisco/UCM/Backups							-		×			
Refresh	Cancel				_	root@CM-SFT total 22369 drwxr-xr-x drwxr-xr-x	P:/home 56 2 cisc 71 cisc	/cisco/ co cisco co cisco	UCM/Backups 20480 12288	11 Dec 25 Dec 21	11:39	./							1
Status U SUCCESS: Backup Completed					_	- XM- XM- X - XM- XM- X - XM- XM- X	l ciso l ciso l ciso	cisco cisco cisco cisco	23791 10272 3123405 42424352	Dec 25 Dec 25 Dec 25	11:39 11:39 11:39	2018-1 2018-1 2018-1 2018-1	2-25-11- 2-25-11- 2-25-11- 2-25-11-	-12-03_D -12-03_D -12-03_D -12-03_D	3-SB-1 3-SB-1 3-SB-1 3-SB-1	1PUB_dr1 1PUB_UCM 1PUB_UCM	Component ANN.tar BAT.tar	.xml	
- Backup details Tar Filename: Backup Device: Operation:		2018-12-25-11-12-03.tar NETWORK BACKUP				-IW-IW-I -IW-IW-I -IW-IW-I -IW-IW-I -IW-IW-I	l ciso l ciso l ciso l ciso l ciso l ciso l ciso	<pre>c cisco c cisco</pre>	13015072 20538 10360 10335 20512 10272	Dec 25 Dec 25 Dec 25 Dec 25 Dec 25 Dec 25 Dec 25	11:35 11:34 11:39 11:34 11:39 11:39 11:39	2018-1 2018-1 2018-1 2018-1 2018-1 2018-1	2-25-11 2-25-11 2-25-11 2-25-11 2-25-11 2-25-11 2-25-11	-12-03_D -12-03_D -12-03_D -12-03_D -12-03_D -12-03_D -12-03_D	3-SB-1 3-SB-1 3-SB-1 3-SB-1 3-SB-1 3-SB-1 3-SB-1 3-SB-1	1PUB_UCM 1PUB_UCM 1PUB_UCM 1PUB_UCM 1PUB_UCM 1PUB_UCM	CCMPREF: CDPAGT. CEF.tar CLM.tar DNALIAS	LOOKUP	l.tar
Percentage Com	nplete:	100%				-IM-IM-I	1 cisc	o cisco	27904032	Dec 25	11:39	018-1	2-25-11	-12-03 D	3-SB-1	1 PUB UCM	MOH.tar		
Feature	Server	Component	Status	Result **		-IW-IW-I	l cisc	o cisco	20577	Dec 25 Dec 25	11:39	1018-1	2-25-11	-12-03_D -12-03_D	3-SB-1	1PUB_UCM	REPORTE	t.tar	
UCM	D3-SB-11PUB	CDPAGT	100	SUCCESS	Tue Dec 25 1	-rw-rw-r	l ciso	o cisco	10298	Dec 25				-12-03_D		1PUB_UCM	SYSLOGA		
UCM	D3-SB-11PUB	SYSLOGAGT	100	SUCCESS	Tue Dec 25 1	-rw-rw-r	1 cisc	o cisco	10360	Dec 25	11:35		2-25-11-	-12-03_D	3-SB-1	1PUB_UCM	TCT.tar		
UCM	D3-SB-11PUB	PLATFORM	100	SUCCESS	Tue Dec 25 1	-IW-IW-I	l cisc	o cisco	2202353616	Dec 25	11:39 2	2018-1	2-25-11	-12-03 D	3-SB-1	1PUB UCM	TFTP.ta		
UCM	D3-SB-11PUB	CLM	100	SUCCESS	Tue Dec 25 1	1000601-521	P1/HOme	/CISCO/	och/ backupa										
UCM	D3-SB-11PUB	CCMDB	100	SUCCESS	Tue Dec 25 1														
UCM	D3-SB-11PUB	TCT	100	SUCCESS	Tue Dec 25 1														
UCM	D3-SB-11PUB	CCMPREFS	100	SUCCESS	Tue Dec 25 1														
UCM	D3-SB-11PUB	TFTP	100	SUCCESS	Tue Dec 25 1														
UCM	D3-SB-11PUB	MOH	100	SUCCESS	Tue Dec 25 1														
UCM	D3-SB-11PUB	ANN	100	SUCCESS	Tue Dec 25 1														
UCM	D3-SB-11PUB	BAT	100	SUCCESS	Tue Dec 25 1														
UCM	D3-SB-11PUB	CEF	100	SUCCESS	Tue Dec 25 1														
UCM	D3-SB-11PUB	REPORTER	100	SUCCESS	Tue Dec 25 1														
UCM	D3-SB-11PUB	DNALIASLOOKUP	100	SUCCESS	Tue Dec 25 1														
UCM	D3-SB-11PUB	DNALIASSYNC	100	SUCCESS	Tue Dec 25 1														
Refresh				Can	cel Backup														

* Click on the filename to view the log file

已成功创建的新备份和已删除的旧备份的日志分析

+++++++++++ 启动手动备份时看到的消息:BEGIN MANUAL(开始手动) +++++++++++

2018-12-25 11:11:59,486 DEBUG [NetMessageDispatch] - drfMessageValidator.validateMessage(): Starting introspection for Message ID = 1700 Message Body = ======== BEGIN msgSubBackup_REQ ======= m_bLeaveTempBackupDirectoryInPlace : false destinationId : TAC-Backup backupType : MANUAL featuresTobeBackedup : [UCM] ======== END msgSubBackup_REQ ========

2018-12-25 11:11:59,486 DEBUG [NetMessageDispatch] - drfMessageHandler:HandleBackup: The backup is being processed for the device: TAC-Backup

2018-12-25 11:11:59,487 DEBUG [NetMessageDispatch] - drfMessageHandler:HandleBackup: Executing sftpLsFiles to make sure SFTP is accessible. 2018-12-25 11:11:59,487 INFO [NetMessageDispatch] - drfUtils:sftpLsFiles-: Executing JSCH SFTP ls command for: User: ciscoHostName: 192.X.X.250 from source :/UCM/Backups/ with pattern -1 2018-12-25 11:11:59,487 DEBUG [NetMessageDispatch] - drfUtils:establishSftpConnection: Trying to connect to the SFTP server.

2018-12-25 11:11:59,617 DEBUG [NetMessageDispatch] - drfUtils:establishSftpConnection: Authentication Completed Successfully, connected to remote server. Now opening a SFTP channel.

2018-12-25 11:11:59,834 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Found 1 features selected for Restore 2018-12-25 11:11:59,834 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: CDPAGTDirectBackup set to : yes 2018-12-25 11:11:59,834 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: SYSLOGAGTDirectBackup set to : yes 2018-12-25 11:11:59,834 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: PLATFORMDirectBackup set to : yes 2018-12-25 11:11:59,834 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: PLATFORMDirectBackup set to : yes 2018-12-25 11:11:59,834 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: CLMDirectBackup set to : yes 2018-12-25 11:11:59,834 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: CLMDirectBackup set to : yes 2018-12-25 11:11:59,834 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: CLMDirectBackup set to : yes 2018-12-25 11:11:59,834 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: TCTDirectBackup set to : yes 2018-12-25 11:11:59,835 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: CCMPREFSDirectBackup set to : yes 2018-12-25 11:11:59,835 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: TFTPDirectBackup set to : yes 2018-12-25 11:11:59,835 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: MOHDirectBackup set to : yes 2018-12-25 11:11:59,835 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: ANNDirectBackup set to : yes 2018-12-25 11:11:59,835 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: BATDirectBackup set to : yes 2018-12-25 11:11:59,835 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: CEFDirectBackup set to : yes 2018-12-25 11:11:59,835 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: REPORTERDirectBackup set to : yes 2018-12-25 11:11:59,835 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: DNALIASLOOKUPDirectBackup set to : ves

2018-12-25 11:11:59,835 DEBUG [NetMessageDispatch] - drfMessageHandler:setComponentBackupType: Feature Name: UCM. Server Name: D3-SB-11PUB. Component Name: DNALIASSYNCDirectBackup set to : yes

2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 33 files found at the

given path 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_PLATFORM.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB drfComponent.xml 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_REPORTER.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CLM.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_DNALIASSYNC.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_REPORTER.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_MOH.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_BAT.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_CCMDB.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_SYSLOGAGT.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CEF.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CCMPREFS.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB UCM CCMPREFS.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_TCT.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB UCM CEF.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB UCM PLATFORM.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3SB-11PUB_UCM_CDPAGT.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_ANN.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB UCM SYSLOGAGT.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_TFTP.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_TFTP.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB UCM CCMDB.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_ANN.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_DNALIASSYNC.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_DNALIASLOOKUP.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_CDPAGT.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_MOH.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB UCM CLM.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_DNALIASLOOKUP.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_BAT.tar 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17_D3-SB-11PUB_UCM_TCT.tar

2018-12-25 11:16:23,887 INFO [TarWorkerThread] - drfSftpManager:drfGetListOfBackups: Adding the backup id after the _pubhostname filtering:2018-12-24-13-21-17 2018-12-25 11:16:23,887 INFO [TarWorkerThread] - drfSftpManager:drfGetListOfBackups: Adding the backup id after the _pubhostname filtering:2018-12-25-11-12-03

+++++++++++ 列表大小:1 ++++++++++++++++

2018-12-25 11:16:24,852 INFO [TarWorkerThread] - drfSftpManager.RemoveOldBackupSet: list size : 1

2018-12-25 11:16:24,852 INFO [TarWorkerThread] - drfSftpManager.RemoveOldBackupSet: Removing: /UCM/Backups/2018-12-24-13-21-17_D3-SB-11PUB*

 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 18 files found at the given path 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB UCM REPORTER.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CLM.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_MOH.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_BAT.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB UCM CEF.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CCMPREFS.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB UCM TCT.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_PLATFORM.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CDPAGT.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_ANN.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_SYSLOGAGT.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_TFTP.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CCMDB.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_DNALIASSYNC.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB_UCM_DNALIASLOOKUP.tar 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-25-11-12-03_D3-SB-11PUB drfComponent.xml 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: Found 16 matching the search criteria.

2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfUtils:closeSFTPConnections: Closing ChannelSftp... 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfUtils:closeSFTPConnections: Disconnecting Channel... 2018-12-25 11:16:26,405 DEBUG [TarWorkerThread] - drfUtils:closeSFTPConnections: Closing Session...

2018-12-25 11:16:26,572 INFO [TarWorkerThread] - {STATE_IDLE} drfBackup:CompleteBackup(Device=-): === BACKUP operation COMPLETED ===

验证

为了验证备份是否成功,您需要查看状态消息**成功:备份已完成,如图所示:**

Backup - Restore	e 🕶 Help 🕶					_													
Backup Status						🧬 root@CM-	SFTP: /ho	me/cisco/U	M/Backups									-	
Refresh Status Status Status Backup details Tar Filename: Backup Device Operation: Percentage Co	Cancel	2018-12-25-11-12-03.tar NETWORK BACKUP 100%				rot@CM-SF1 total 2236 diwxr-xr-x -rw-rw-r -rw-rw-r -rw-rw-r -rw-rw-r -rw-rw-r -rw-rw-r -rw-rw-r -rw-rw-r -rw-rw-r	TP:/hom 956 2 cis 71 cis 1 cis	e/cisco/ co cisco co cisco	UCM/Backups 20480 12288 23791 10272 3123405 4244352 20538 10360 10355 20512 10272 27904032	11 Dec 25 Dec 21 Dec 25 Dec 25	11:39 13:33 11:39 11:39 11:35 11:35 11:34 11:39 11:34 11:39 11:39 11:39	./ 2018-1: 2018-1: 2018-1: 2018-1: 2018-1: 2018-1: 2018-1: 2018-1: 2018-1: 2018-1: 2018-1:	2-25-11: 2-25-11: 2-25-11: 2-25-11: 2-25-11: 2-25-11: 2-25-11: 2-25-11: 2-25-11: 2-25-11: 2-25-11:	-12-03 -12-03 -12-03 -12-03 -12-03 -12-03 -12-03 -12-03 -12-03 -12-03	D3-SB- D3-SB- D3-SB- D3-SB- D3-SB- D3-SB- D3-SB- D3-SB- D3-SB- D3-SB- D3-SB-	11PUB_d 11PUB_U 11PUB_U 11PUB_U 11PUB_U 11PUB_U 11PUB_U 11PUB_U 11PUB_U 11PUB_U	EComposition CM_ANN.T CM_BAT.T CM_CCMD ICM_CCMP ICM_CCPA ICM_CCPA ICM_CCPA ICM_CCPA ICM_CDNAL ICM_DNAL ICM_DNAL	ient.> iar iar s.tar REFS.s sT.tar tar iASLO IASSYI tar	cml tar t OKUP.ta NC.tar
Percentage Co	implete.	100%				-IM-IM-I	l cis	co cisco	1597472	Dec 25	11:34	2018-1	25-11	-12-03	D3-SB-	11PUB_U	CM_PLAT	ORM.	
Feature	Server	Component	Status	Result **			l cis	co cisco	20577	Dec 25	11:39	2018-1	2-25-11	-12-03	D3-SB-	11PUB_U	CM_REPOI	TER.t	ar
UCM	D3-SB-11PUB	CDPAGT	100	SUCCESS	Tue Dec 25 1	-rw-rw-r	1 cis	co cisco	10250	Dec 25	11:35	2018-1	2-25-11	-12-03	D3-SB-	11PUB U	CM TCT.	car	
UCM	D3-SB-11PUB	SYSLOGAGT	100	SUCCESS	Tue Dec 25 1	-rw-rw-r	1 cis	co cisco	2202353616	Dec 25	11:39	2018-1	2-25-11	-12-03	D3-SB-	11PUB U	CM TETP		
UCM	D3-SB-11PUB	PLATFORM	100	SUCCESS	Tue Dec 25 1	root@CM-SF1	TP:/hom	e/cisco/	UCM/Backups	-									
UCM	D3-SB-11PUB	CLM	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	CCMDB	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	TCT	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	CCMPREFS	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	TFTP	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	MOH	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	ANN	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	BAT	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	CEF	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	REPORTER	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	DNALIASLOOKUP	100	SUCCESS	Tue Dec 25 1	1													
UCM	D3-SB-11PUB	DNALIASSYNC	100	SUCCESS	Tue Dec 25 1	1													
Refresh				Can	cel Backup														

故障排除

要对 CUCM 中的备份进行故障排除,您需要:

- DRF 本地日志
- DRF 主日志

在 RTMT 中,导航至所有服务器的Trace and Log Central(跟踪和日志中心)> Collect Files(收集 文件)> Cisco DRF Local & Cisco DRF Master(Cisco DRF Local 和 Cisco DRF Master),如图 所示:

le <u>S</u> ystem <u>V</u> oice/Video <u>A</u> nalysi Real Time Monitoring Too System stem Summary - Marce System Summary	SManager IM and Presence For Cisco Unified Communic Trace & Log Central	ce <u>E</u> dit	t <u>Window Application Help</u>		
Real Time Monitoring Too System Stem Summary - Var System Summary	For Cisco Unified Communic	cations So			
System Summary	Trace & Log Central				
stem Summary					
IVER CPU and Memory Process Disk Usage Critical Services formance Performance Log Viewer OIS Alert Central Job Status SysLog Viewer VLT AuditLog Viewer	Irace & Log Central Remote Browse Collect Files Ouery Wizard Schedule Collection Local Browse Real Time Trace Collect Crash Dumi Collect Install Logs Audit Logs	Collect Downl Comp Downl Downl Downl Downl Downl Downl Downl Downl Downl Downl Downl Downl Downl Comp	Files in progress for node d3-sb-11pub Collect Files Select System Services/Applications Select System Services/Applications Select Name Cisco CCMAdmin Web Service Cisco CCMRealm Web Service Cisco CCMService Web Service Cisco CCMUser Web Service Cisco CDP Cisco CDP Cisco CDP Agent Cisco Called Party Tracing Cisco Called Party Tracing Cisco Called Party Tracing Cisco ControlCenter CLI Cisco Corfficate Change Notification Cisco ControlCenter CLI Cisco ControlCenter CLI Cisco Corfficate Change Notification Cisco ControlCenter CLI Cisco ControlCenter CLI Cisco DRF Local Cisco DRF Local Cisco Database Library Trace Cisco Database Library Trace Cisco Database Notification Service Cisco Database Notification Service Cisco Discovery Responder Service Cisco GRT Communication Web Service Cisco GRT Communication Web Service Cisco Informix Database Service Cisco Informix Database Service Cisco Informix Database Service Cisco Informix Database Service	all Services on all Servers	Dininal (CLI/CHI Dockuns:)/2)Terror Co X

您可以在<u>如何收集 CUCM 9.X 或更高版本的跟踪信息中找到详细信息</u>

建议访问远程 SFTP。