

# Ondersteuning van Cisco Unified Communications Manager (CUCM) configureren en probleemoplossing

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## Inleiding

Dit document beschrijft de procedure om een reservekopie apparaat aan Cisco Unified Communications Manager (CUCM) toe te voegen.

## Voorwaarden

### Vereisten

Cisco raadt kennis van de volgende onderwerpen aan:

- Cisco Unified Communications Manager (CUCM)
- Secure File Transfer Protocol (SFTP) serverbeheer

### Gebruikte componenten

- Cisco Unified Communications Manager versie 11.5
- Linux SFTP-server

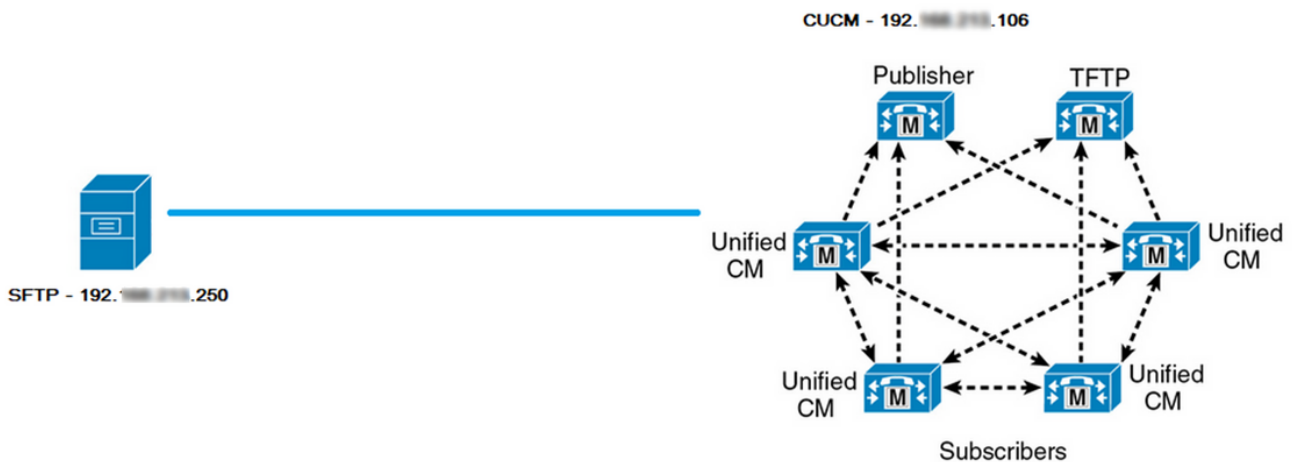
De informatie in dit document is gebaseerd op de apparaten in een specifieke

laboratoriumomgeving. Alle apparaten die in dit document worden beschreven, hadden een opgeschoonde (standaard)configuratie. Als uw netwerk levend is, zorg er dan voor dat u de mogelijke impact van om het even welke opdracht begrijpt.

## Achtergrondinformatie

Het doel van back-ups die beschikbaar zijn in uw omgeving met elke software is om in geval van een ramp te kunnen herstellen. Back-ups zijn belangrijk om het verlies van gegevens te voorkomen wanneer software wordt gecorrumpereerd, wanneer hardware faalt of wanneer er een natuurramp optreedt.

CUCM- en SFTP-topologie zoals in de afbeelding weergegeven:

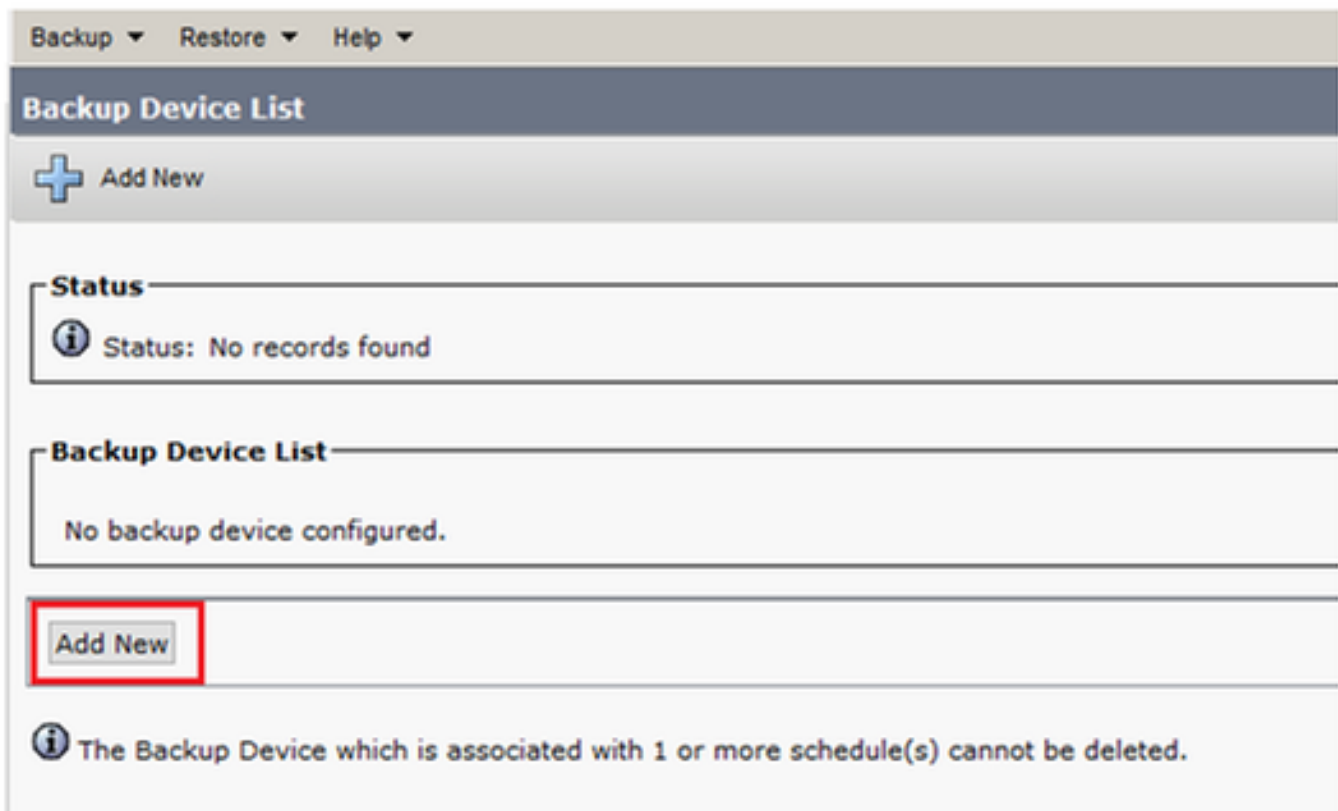
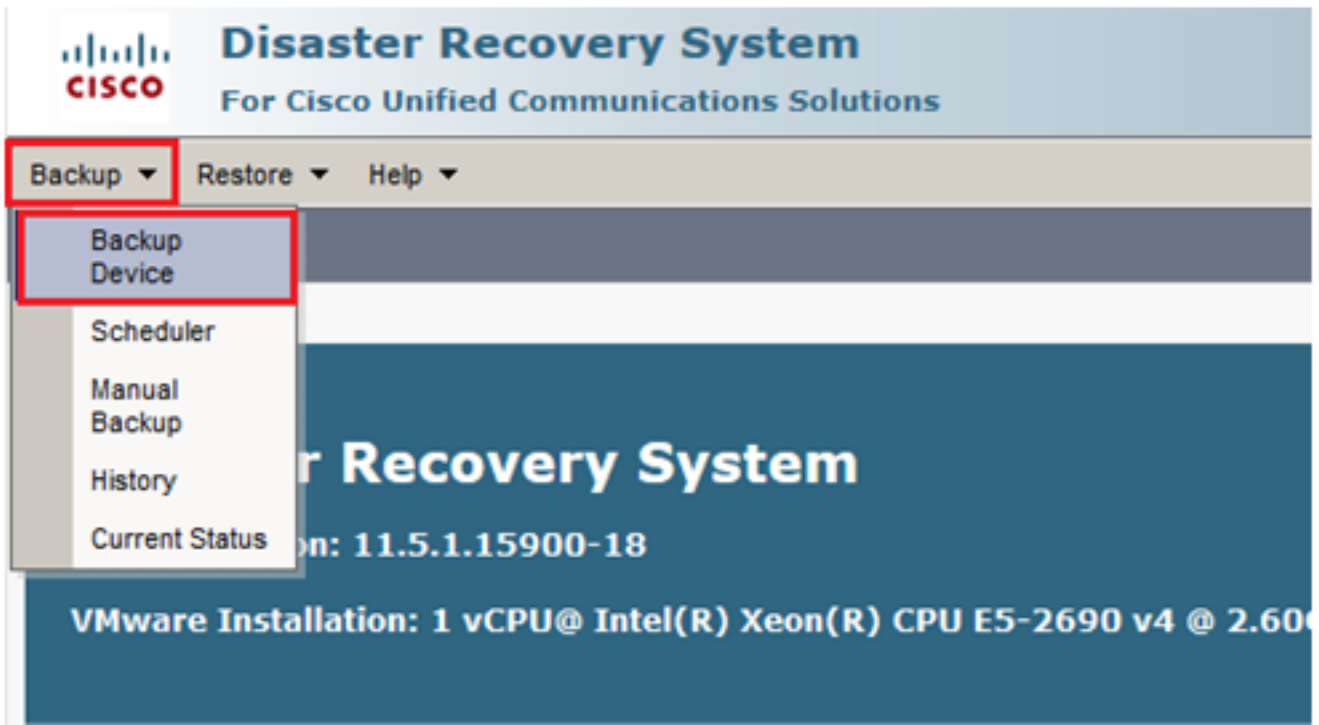


## Configureren

### Back-upapparaat toevoegen via GUI-procedure

Stap 1. Navigeer naar CUCM > Noodherstel Systeem > Back-up > Back-upapparaat en klik op **Nieuwe toevoegen** zoals in de afbeeldingen:





Stap 2. Voeg een naam van het back-upapparaat, IP-adres, naam van het pad, gebruikersnaam en wachtwoord toe zoals in de afbeeldingen:



- Het IP-adres moet de doelserver SFTP zijn waar de back-ups worden opgeslagen.
- De naam van het pad is de map binnen de SFTP server waar de back-ups worden opgeslagen.
- Gebruikersnaam en Wachtwoord moeten binnen de SFTP-server bestaan voor authenticatiedoeleinden.

- Het aantal back-ups dat in de netwerkmap moet worden opgeslagen, moet worden ingesteld op het aantal back-ups dat in de SFTP-map moet worden bewaard.

Klik na voltooiing op **Opslaan**.


Backup ▾ Restore ▾ Help ▾

### Backup Device

 Save  Back

---

**Status**

 Status: Ready

---

**Backup device name**

Backup device name\*

---

**Select Destination\***


**Network Directory**

Host name/IP address	<input type="text" value="192.168.1.250"/>
Path name	<input type="text" value="/UCM/Backups/"/>
User name	<input type="text" value="cisco"/>
Password	<input type="password" value="•••••"/>
Number of backups to store on Network Directory	<input type="text" value="1"/>

---


Bevestig de **update succesvol** zoals in de afbeelding:

**Backup Device**

Save  Back

---

**Status**

 Update successful

---

**Backup device name**


Backup device name\*

---

**Select Destination\***

**Network Directory**

Host name/IP address	<input type="text" value="192.168.1.250"/>
Path name	<input type="text" value="/UCM/Backups/"/>
User name	<input type="text" value="cisco"/>
Password	<input type="password" value="*****"/>

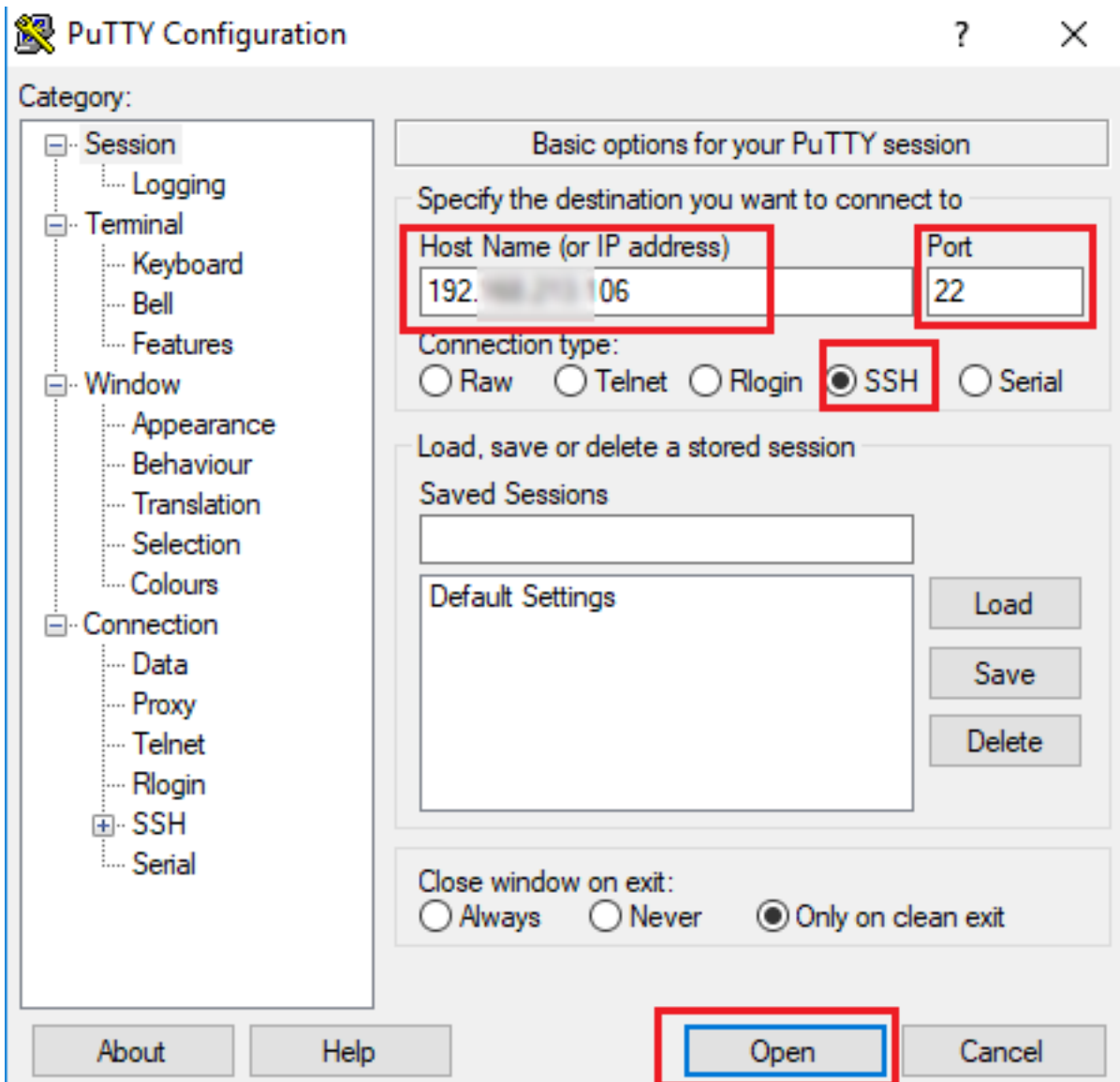
Number of backups to store on Network Directory  

---

Save

## Reserve-apparaat toevoegen via CLI-procedure

Stap 1. Secure Shell (SSH) in het IP-adres van de CUCM-uitgever en authentiek met de gebruikersnaam en het wachtwoord voor het besturingssysteem (OS) zoals in de afbeeldingen:



192.168.1.106 - PuTTY

```
login as: admin
admin@192.168.1.106's password:
Command Line Interface is starting up, please wait ...

Welcome to the Platform Command Line Interface

VMware Installation:
  1 vCPU: Intel(R) Xeon(R) CPU E5-2690 v4 @ 2.60GHz
  Disk 1: 80GB, Partitions aligned
  6144 Mbytes RAM
```

Stap 2. Voeg het back-upapparaat toe met de syntaxis: `utils Disease_recovery device add netwerk <backup device name> <path <ip-adres van externe server> <gebruikersnaam> [aantal back-ups]` zoals in de afbeelding wordt weergegeven:

```
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:
```

Op het moment van deze procedure voor het toevoegen van een back-upapparaat worden deze stappen in CUCM uitgevoerd:

1. Contact opnemen met de SFTP-server en authenticatie
2. Breng een testbestand naar de folder over
3. Koppel de SFTP-server los
4. Contact opnemen met de SFTP-server en authenticatie
5. Verwijder het testbestand in de directory.
6. Koppel de SFTP-server los

Opmerking: Als een van deze stappen niet doorgaat, kan CUCM het back-upapparaat niet toevoegen.

## Log analyse van back-upapparaat toevoegen

```
+++++
UpdateDestination request wordt verzonden om nieuwe back-upbestemming toe te voegen
+++++
```

```
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 =====
```

```
+++++
CUCM probeert verbinding te maken met de SFTP-server
+++++
```

```
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...
```

```
+++++
Verificatie voltooid
+++++
```

```
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

++++  
CUCM overschrijft bestanden van: /common/drf/d3-sb-11pub\_dUmml\_drf naar de server: 192.X.250/UCM/Backups/d3-sb-11pub\_dUmml\_drf  
Dit gebeurt om te bevestigen of CUCM privileges heeft ontvangen.  
++++

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

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

++++  
Bestandsoverdracht voltooid  
++++

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

++++  
CUCM sluit ChannelSftp...  
++++

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...

++++  
CUCM probeert verbinding te maken met de SFTP-server  
++++

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...

++++  
Verificatie voltooid  
++++

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

++++  
++++  
CUCM verwijdert bestanden/UCM/Backups/d3-sb-11pub\_dUmml\_drf van de server: 192.X.250  
Dit gebeurt om te bevestigen of CUCM privileges heeft ontvangen.  
++++



+++++

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

+++++

Met succes verwijderd

+++++

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 sluit ChannelSftp...

+++++

2018-12-24 11:39:24,278 DEBUG [NetMessageDispatch] - drfUtils:closeSFTPConnections: Closing ChannelSftp...

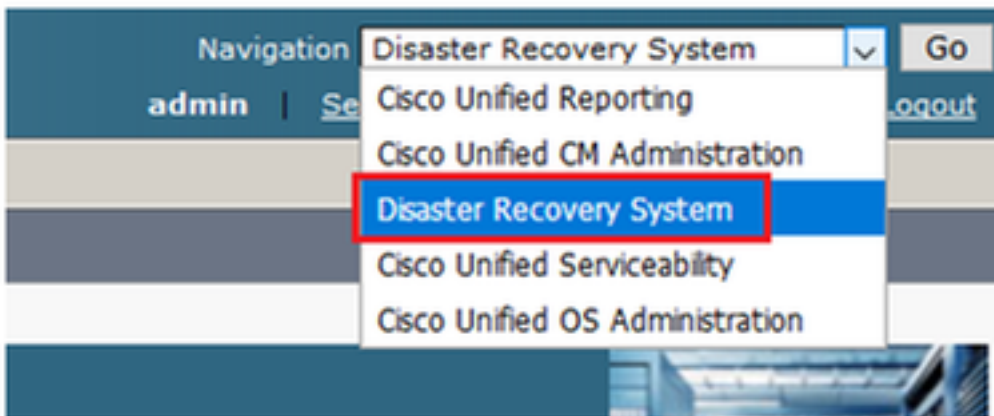
2018-12-24 11:39:24,278 DEBUG [NetMessageDispatch] - drfUtils:closeSFTPConnections: Disconnecting Channel...

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...

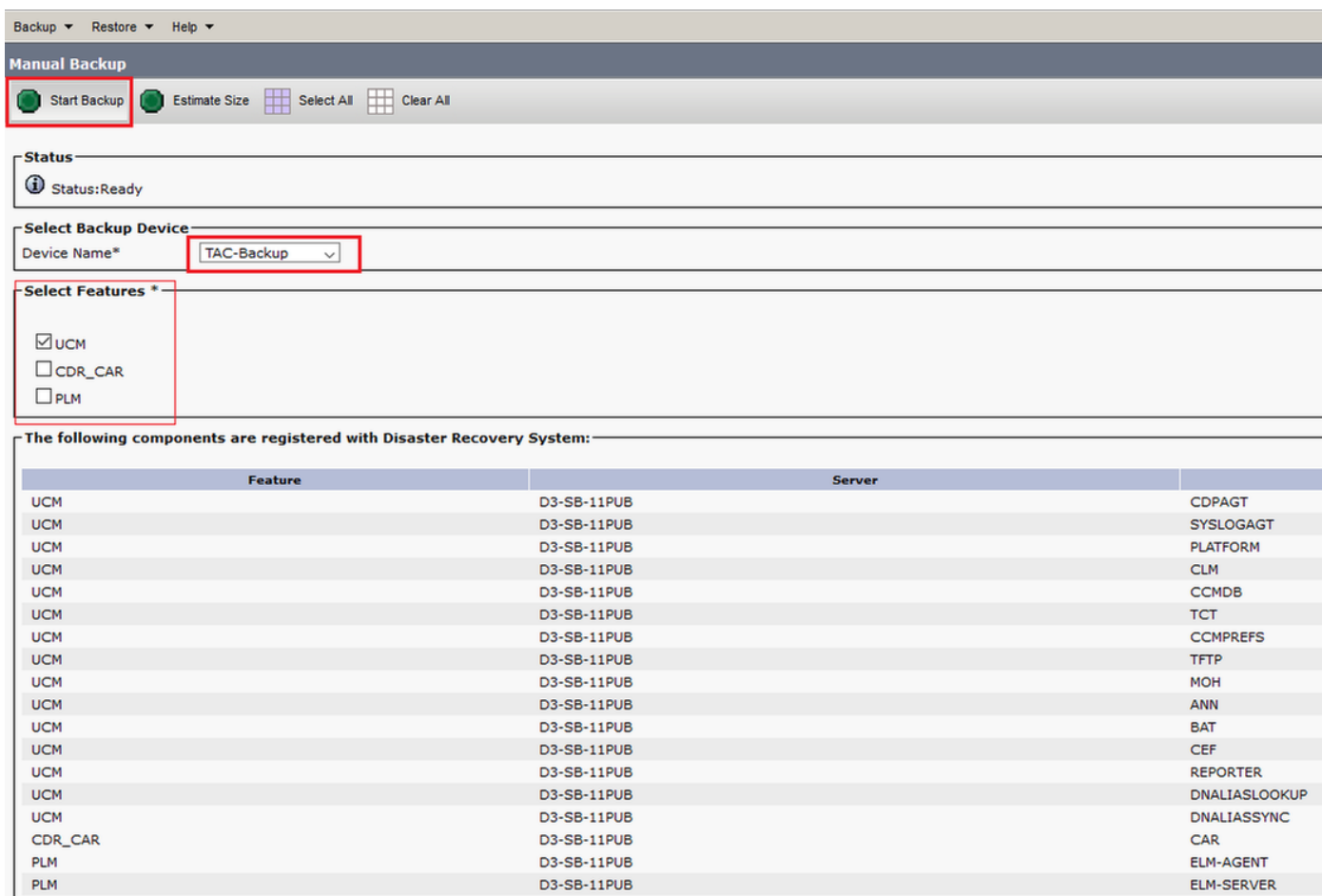
## Start een handmatige back-up via de GUI-procedure

Stap 1. navigeren naar CUCM > Noodherstelsysteem > Back-up > Handmatige back-up zoals in de afbeeldingen:





Stap 2. **Selecteer het back-upapparaat, de functies waarvan een back-up moet worden gemaakt en klik op Start.** Er wordt bijvoorbeeld een back-up gemaakt van alleen de UCM-functie, zoals in de afbeelding wordt getoond:



- Wanneer de back-up wordt uitgevoerd, ziet u een statusindicatie zoals in de afbeelding:

Backup Status

Refresh Cancel

**Status**  
 Backup operation in progress for server [D3-SB-11PUB], please wait... \*

**Backup details**

Tar Filename: 2018-12-24-13-04-38.tar  
 Backup Device: NETWORK  
 Operation: BACKUP  
 Percentage Complete: 26%

Feature	Server	Component	Status	Result **	Start Time	Log File *
UCM	D3-SB-11PUB	CDPAGT	100	SUCCESS	Mon Dec 24 13:04:38 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_cdpagt.log</a>
UCM	D3-SB-11PUB	SYSLOGAGT	100	SUCCESS	Mon Dec 24 13:04:40 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_syslogagt.log</a>
UCM	D3-SB-11PUB	PLATFORM	100	SUCCESS	Mon Dec 24 13:04:41 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_platform.log</a>
UCM	D3-SB-11PUB	CLM	100	SUCCESS	Mon Dec 24 13:04:44 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_clm.log</a>
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 Backup

- Wanneer de back-up is voltooid, wordt er een **SUCCESS**-bericht weergegeven dat aangeeft dat de **back-up is voltooid** in CUCM, zoals in de afbeelding wordt weergegeven:

Backup Status

Refresh Cancel

**Status**  
 SUCCESS: Backup Completed...

**Backup details**

Tar Filename: 2018-12-24-13-04-38.tar  
 Backup Device: NETWORK  
 Operation: BACKUP  
 Percentage Complete: 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	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_cdpagt.log</a>
UCM	D3-SB-11PUB	SYSLOGAGT	100	SUCCESS	Mon Dec 24 13:04:40 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_syslogagt.log</a>
UCM	D3-SB-11PUB	PLATFORM	100	SUCCESS	Mon Dec 24 13:04:41 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_platform.log</a>
UCM	D3-SB-11PUB	CLM	100	SUCCESS	Mon Dec 24 13:04:44 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_clm.log</a>
UCM	D3-SB-11PUB	CCMDB	100	SUCCESS	Mon Dec 24 13:04:44 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_ccmdb.log</a>
UCM	D3-SB-11PUB	TCT	100	SUCCESS	Mon Dec 24 13:04:59 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_tct.log</a>
UCM	D3-SB-11PUB	CCMPREFS	100	SUCCESS	Mon Dec 24 13:05:00 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_ccmprefs.log</a>
UCM	D3-SB-11PUB	TFTP	100	SUCCESS	Mon Dec 24 13:05:03 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_tftp.log</a>
UCM	D3-SB-11PUB	MOH	100	SUCCESS	Mon Dec 24 13:08:57 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_moh.log</a>
UCM	D3-SB-11PUB	ANN	100	SUCCESS	Mon Dec 24 13:09:00 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_ann.log</a>
UCM	D3-SB-11PUB	BAT	100	SUCCESS	Mon Dec 24 13:09:00 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_bat.log</a>
UCM	D3-SB-11PUB	CEF	100	SUCCESS	Mon Dec 24 13:09:02 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_cef.log</a>
UCM	D3-SB-11PUB	REPORTER	100	SUCCESS	Mon Dec 24 13:09:03 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_reporter.log</a>
UCM	D3-SB-11PUB	DNALIASLOOKUP	100	SUCCESS	Mon Dec 24 13:09:04 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_dnaliaslookup.log</a>
UCM	D3-SB-11PUB	DNALIASSYNC	100	SUCCESS	Mon Dec 24 13:09:05 PST 2018	<a href="#">2018-12-24-13-04-38_b_d3-sb-11pub_ucm_dnaliassync.log</a>

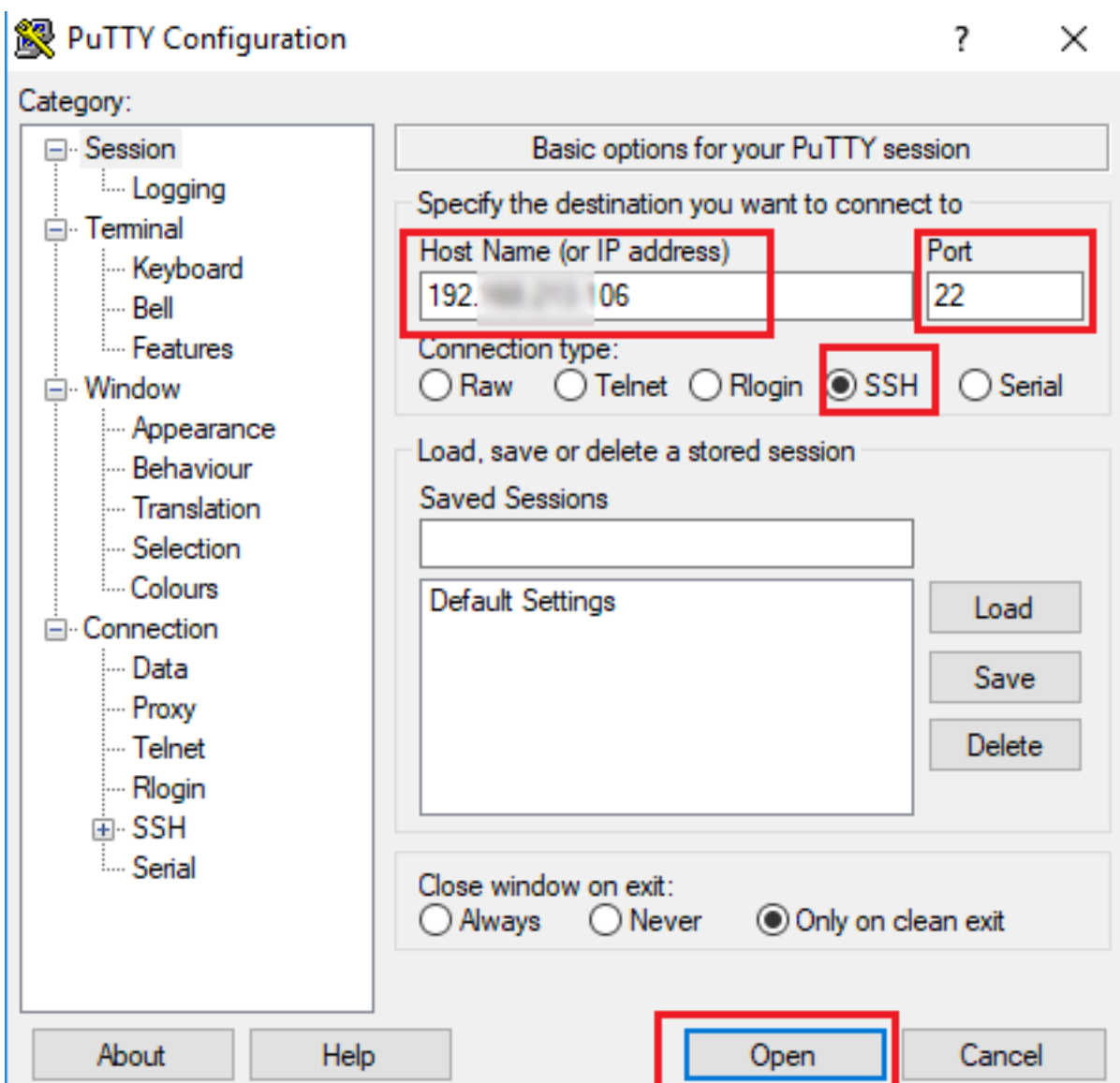
Refresh Cancel Backup

- Wanneer de back-up is voltooid, ziet u de .TAR-bestanden in de SFTP-map zoals in de afbeelding weergegeven. Deze bestanden worden later gebruikt, indien herstel vereist is:

```
root@CM-SFTP:/home/cisco/UCM/Backups# ll
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_DNALIASSLOOKUP.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:/home/cisco/UCM/Backups#
```

## Start een handmatige back-up via de CLI-procedure

Stap 1. Secure Shell (SSH) naar het IP-adres van de CUCM-uitgever en authentiek met de gebruikersnaam en het wachtwoord voor het besturingssysteem zoals in de afbeelding:



Stap 2. Start een Handmatige back-up met de opdracht syntaxis: **gebruikt het back-upnetwerk van**

noodherstel <optie> <naam van back-up apparaat> zoals in de afbeelding wordt weergegeven:

```
192.168.1.106 - 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
```

- Wanneer de back-up wordt uitgevoerd, ziet u een statusindicatie met de opdrachtsyntaxis: **utils back-up van de ramp\_recovery status** zoals in de afbeelding wordt getoond:

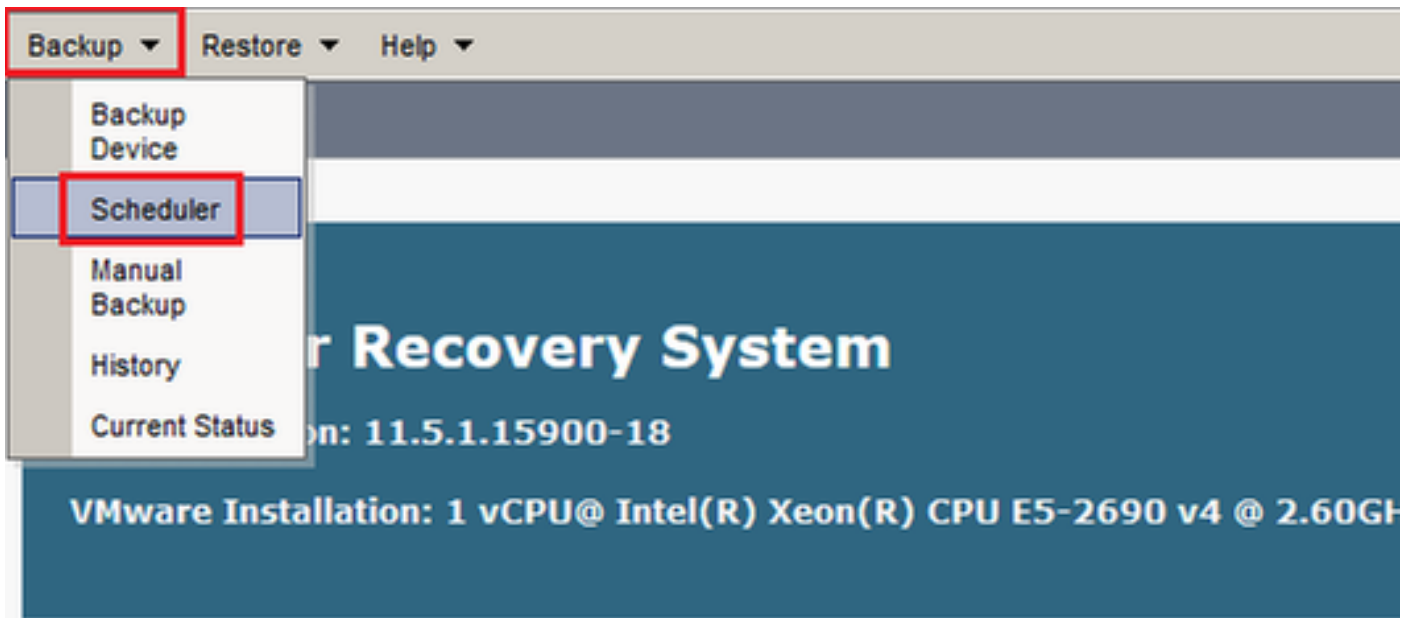
```
192.168.1.106 - PuTTY
admin:utils disaster_recovery status backup
Status: Backup operation in progress for server [D3-SB-11PUB], please wait...
Tar Filename: 2018-12-24-13-21-17.tar
Storage Location: NETWORK
Operation: backup
Percentage Complete: 46
UCM D3-SB-11PUB CDPAGT SUCCESS Mon Dec 24 13:21:17 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 Active Mon Dec 24 13:21:39 PST 2018
UCM D3-SB-11PUB MOH --- ---
UCM D3-SB-11PUB ANN --- ---
UCM D3-SB-11PUB BAT --- ---
UCM D3-SB-11PUB CEF --- ---
UCM D3-SB-11PUB REPORTER --- ---
UCM D3-SB-11PUB DNALIASLOOKUP --- ---
UCM D3-SB-11PUB DNALIASSYNC --- ---
```

- Wanneer de back-up is voltooid, ziet u een succesbericht met de opdrachtsyntaxis: **utils back-up van de ramp\_recovery status** zoals in de afbeelding wordt getoond:

```
192.168.1.106 - 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:
```

## Geplande back-up inschakelen via GUI-procedure

Stap 1. navigeren naar **CUCM > Noodherstelsysteem > Back-up > Scheduler > Nieuw toevoegen** zoals in de afbeeldingen:



Stap 2. Voeg een naam toe voor de automatische back-up taak zoals in de afbeelding:

**Scheduler**

Save Set Default Disable Schedule Enable Schedule Back

**Status**  
 Status: Ready

**Schedule Name**  
 Schedule Name\* Weekly-Backup

**Select Backup Device**

Stap 3. Selecteer een back-upapparaat

**Scheduler**

Save Set Default Disable Schedule Enable Schedule Back

**Status**  
 Status: Ready

**Schedule Name**  
 Schedule Name\* Weekly-Backup

**Select Backup Device**  
 Device Name\* TAC-Backup

Stap 4. Selecteer de functies waarvan u een back-up wilt maken

**Select Backup Device**  
 Device Name\* TAC-Backup

**Select Features \***

UCM  CDR\_CAR  PLM

The following components are registered with Disaster Recovery System:

Stap 5. Kies een startdatum en kies de frequentie:

**Start Backup at \***

Date 2018 Dec 30 Time 00 Hour 00 Minute

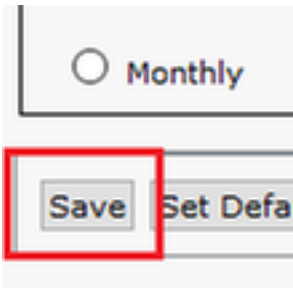
**Frequency \***

Once  
 Daily  
 Weekly

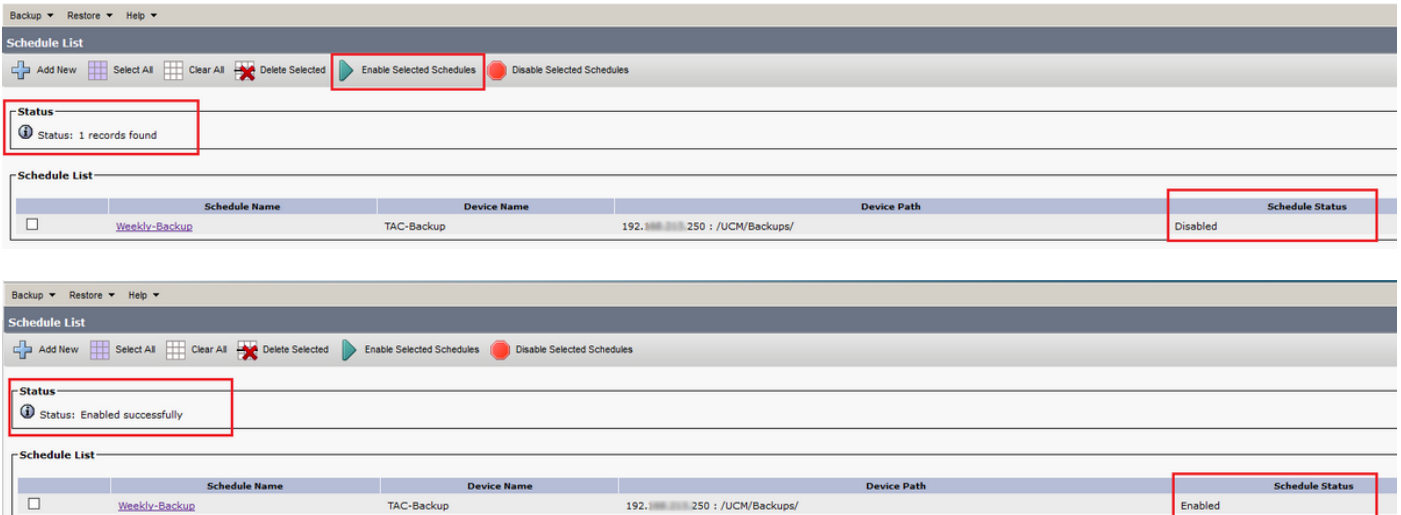
Monday  Tuesday  Wednesday  Thursday  
 Friday  Saturday  Sunday

Monthly

Stap 6. Opslaan



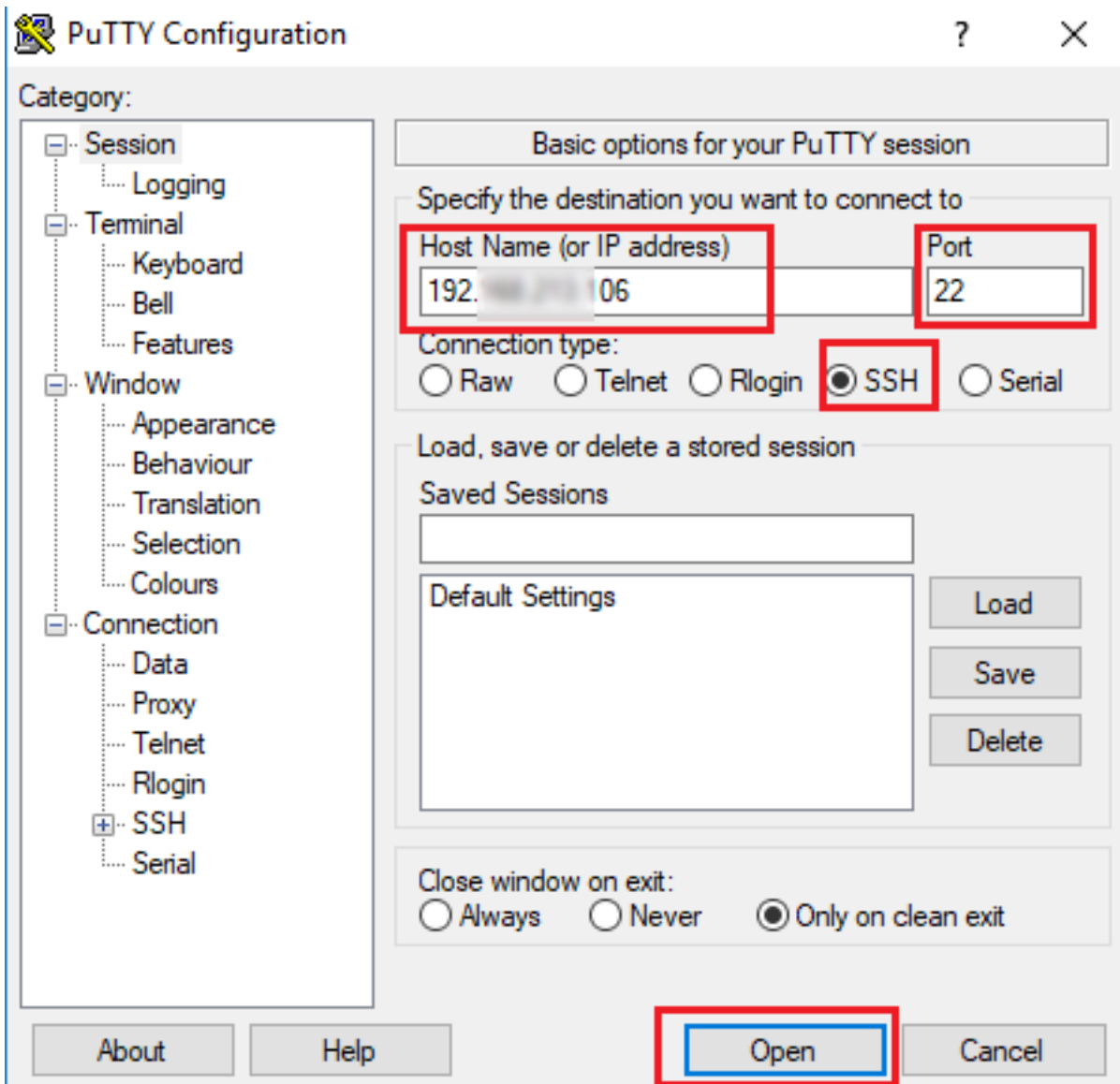
Stap 7. Schakel de geplande back-up in:



## Geplande back-up inschakelen via CLI-procedure

Stap 1. Secure Shell (SSH) naar het IP-adres van de CUCM-uitgever en authentiek met de gebruikersnaam en het wachtwoord voor het besturingssysteem zoals in de afbeelding:





Stap 2. Voeg de geplande back-up toe met de opdrachtsyntaxis: **Hiermee voegt u** `<plannname> <devicename> <featurelist> <datetijd></NXXNfrequentie>` zoals in de afbeelding weergegeven:

```
192.168.1.106 - PuTTY
login as: admin
admin@192.168.1.106's password:
Command Line Interface is starting up, please wait ...

Welcome to the Platform Command Line Interface

VMware Installation:
 1 vCPU: Intel(R) Xeon(R) CPU E5-2690 v4 @ 2.60GHz
Disk 1: 80GB, Partitions aligned
6144 Mbytes RAM

admin:utils disaster_recovery schedule add Weekly-Backup TAC-Backup UCM 2018/12/30-00:00 weekly
```

Stap 3. Schakel de geplande back-up in met de opdrachtsyntaxis: **Gebruik het programma** `ASR_recovery` om `<plannname>` zoals in de afbeelding te activeren:

```
admin:utils disaster_recovery schedule enable Weekly-Backup  
Schedule Enabled Successfully  
admin:
```

## CUCM verwijdert een oud back-upvoorbeeld

Configuratie van het backup-apparaat met Aantal back-ups ingesteld op 1 zoals in de afbeelding:

**Backup Device**

Save Back

**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
Password	.....

Number of backups to store on Network Directory 1

Back-uplijst met slechts 1 back-up beschikbaar (16 bestanden) zoals in de afbeelding weergegeven:

```

root@CM-SFTP:/home/cisco/UCM/Backups# ll
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_DNALIASSLOOKUP.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:/home/cisco/UCM/Backups#

```

CUCM start eerst met het overdragen van reservekopieën voordat de oude back-up wordt verwijderd (hiermee worden 32 bestanden bereikt):

The screenshot shows the backup software interface on the left and a terminal window on the right. The terminal displays the file listing from the previous image, with a red box highlighting the first 32 files. The backup software interface shows a status message: "Backup operation in progress for server [D3-SB-11PUB], please wait..." and a progress bar at 46%. The backup details table shows the following components and their status:

Feature	Server	Component	Status	Result **
UCM	D3-SB-11PUB	CDPAGT	100	SUCCESS
UCM	D3-SB-11PUB	SYSLOGAGT	100	SUCCESS
UCM	D3-SB-11PUB	PLATFORM	100	SUCCESS
UCM	D3-SB-11PUB	CLM	100	SUCCESS
UCM	D3-SB-11PUB	CCMDB	100	SUCCESS
UCM	D3-SB-11PUB	TCT	100	SUCCESS
UCM	D3-SB-11PUB	CCMPREFS	100	SUCCESS
UCM	D3-SB-11PUB	TFTP	0	Active
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	DNALIASSLOOKUP	0	---
UCM	D3-SB-11PUB	DNALIASSYNC	0	---

Nadat de back-up is voltooid, verwijdert DRS de oude back-up om te voldoen aan het aantal back-ups die in Network Directory moeten worden opgeslagen (16 bestanden):

The screenshot shows the backup software interface on the left and a terminal window on the right. The terminal displays the file listing from the previous image, with a red box highlighting the first 16 files. The backup software interface shows a status message: "SUCCESS: Backup Completed..." and a progress bar at 100%. The backup details table shows the following components and their status:

Feature	Server	Component	Status	Result **
UCM	D3-SB-11PUB	CDPAGT	100	SUCCESS
UCM	D3-SB-11PUB	SYSLOGAGT	100	SUCCESS
UCM	D3-SB-11PUB	PLATFORM	100	SUCCESS
UCM	D3-SB-11PUB	CLM	100	SUCCESS
UCM	D3-SB-11PUB	CCMDB	100	SUCCESS
UCM	D3-SB-11PUB	TCT	100	SUCCESS
UCM	D3-SB-11PUB	CCMPREFS	100	SUCCESS
UCM	D3-SB-11PUB	TFTP	100	SUCCESS
UCM	D3-SB-11PUB	MOH	100	SUCCESS
UCM	D3-SB-11PUB	ANN	100	SUCCESS
UCM	D3-SB-11PUB	BAT	100	SUCCESS
UCM	D3-SB-11PUB	CEF	100	SUCCESS
UCM	D3-SB-11PUB	REPORTER	100	SUCCESS
UCM	D3-SB-11PUB	DNALIASSLOOKUP	100	SUCCESS
UCM	D3-SB-11PUB	DNALIASSYNC	100	SUCCESS

## Log analyse van succesvolle nieuwe back-up gemaakt en oude back-up verwijderd

++++++

Het bericht dat u ziet wanneer er een handmatige back-up wordt gestart: BEGIN HANDLEIDING

++++++

```
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 =====
```

++++++

Dit is het apparaat dat als back-upapparaat werd toegevoegd: TAC-back-up

++++++

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

++++++

Zorg ervoor dat SFTP toegankelijk is

++++++

```
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 -l
2018-12-25 11:11:59,487 DEBUG [NetMessageDispatch] - drfUtils:establishSftpConnection: Trying to
connect to the SFTP server.
```

++++++

CUCM-verbindingen naar een externe 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.
```

++++++

Aantal geselecteerde functies:

1 geselecteerde functies vinden

Functienaam: UCS

++++++

```
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: 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: CCMDBDirectBackup 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 :  
yes  
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

+++++

### 33 bestanden gevonden op het opgegeven pad

+++++

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\_D3-

SB-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\_DNALIASSLOOKUP.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\_DNALIASSLOOKUP.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

++++  
Dit wordt gebruikt om het aantal back-ups bij te houden:  
DRS krijgt een lijst van haar vorige back-up-ID's:  
2018-12-24-13-21-17  
2018-12-25-11-12-03

++++  
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

++++  
grootte van de lijst : 1  
++++

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

++++  
CUCM verwijdert: /UCM/Backups/2018-12-24-13-21-17\_D3-SB-11PUB\*  
++++

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

++++  
Lijst heeft nu slechts 1 back-up  
++++

```
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_CCMPPREFS.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_DNALIASSLOOKUP.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.
```

```
+++++
CUCM sluit ChannelSftp...
+++++
```

```
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...
```

```
+++++
BACK-UPLOCATIE VOLTOOID
+++++
```

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

## Verifiëren

Om te controleren of de back-up geslaagd is, moet u het statusbericht **SUCCESS** zien: **Back-up voltooid** zoals in de afbeelding weergegeven:

**Backup Status**

Refresh Cancel

**Status**

SUCCESS: Backup Completed...

**Backup details**

Tar Filename: 2018-12-25-11-12-03.tar  
 Backup Device: NETWORK  
 Operation: BACKUP  
 Percentage Complete: 100%

Feature	Server	Component	Status	Result **	
UCM	D3-SB-11PUB	CDPAGT	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	SYSLOGAGT	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	PLATFORM	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	CLM	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	CCMDB	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	TCT	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	CCMPREFS	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	TFTP	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	MOH	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	ANN	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	BAT	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	CEF	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	REPORTER	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	DNALIASLOOKUP	100	SUCCESS	Tue Dec 25 11:39
UCM	D3-SB-11PUB	DNALIASSYNC	100	SUCCESS	Tue Dec 25 11:39

Refresh Cancel Backup

\* Click on the filename to view the log file

```

root@CM-SFTP:/home/cisco/UCM/Backups# ll
total 2236956
drwxr-xr-x 2 cisco cisco 20480 Dec 25 11:39 ./
drwxr-xr-x 71 cisco cisco 12288 Dec 21 13:33 ../
-rw-rw-r-- 1 cisco cisco 23791 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_drfComponent.xml
-rw-rw-r-- 1 cisco cisco 10272 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_UCM_ANN.tar
-rw-rw-r-- 1 cisco cisco 3123405 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_UCM_BAT.tar
-rw-rw-r-- 1 cisco cisco 42424352 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CCMDB.tar
-rw-rw-r-- 1 cisco cisco 13015072 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CCMDBPREFS.tar
-rw-rw-r-- 1 cisco cisco 20538 Dec 25 11:34 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CDPAGT.tar
-rw-rw-r-- 1 cisco cisco 10360 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CEF.tar
-rw-rw-r-- 1 cisco cisco 10335 Dec 25 11:34 2018-12-25-11-12-03_D3-SB-11PUB_UCM_CLM.tar
-rw-rw-r-- 1 cisco cisco 20512 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_UCM_DNALIASLOOKUP.tar
-rw-rw-r-- 1 cisco cisco 10272 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_UCM_DNALIASSYNC.tar
-rw-rw-r-- 1 cisco cisco 27904032 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_UCM_MOH.tar
-rw-rw-r-- 1 cisco cisco 1597472 Dec 25 11:34 2018-12-25-11-12-03_D3-SB-11PUB_UCM_PLATFORM.tar
-rw-rw-r-- 1 cisco cisco 20577 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_UCM_REPORTER.tar
-rw-rw-r-- 1 cisco cisco 10298 Dec 25 11:34 2018-12-25-11-12-03_D3-SB-11PUB_UCM_SYSLOGAGT.tar
-rw-rw-r-- 1 cisco cisco 10360 Dec 25 11:35 2018-12-25-11-12-03_D3-SB-11PUB_UCM_TCT.tar
-rw-rw-r-- 1 cisco cisco 2202353616 Dec 25 11:39 2018-12-25-11-12-03_D3-SB-11PUB_UCM_TFTP.tar
root@CM-SFTP:/home/cisco/UCM/Backups#

```

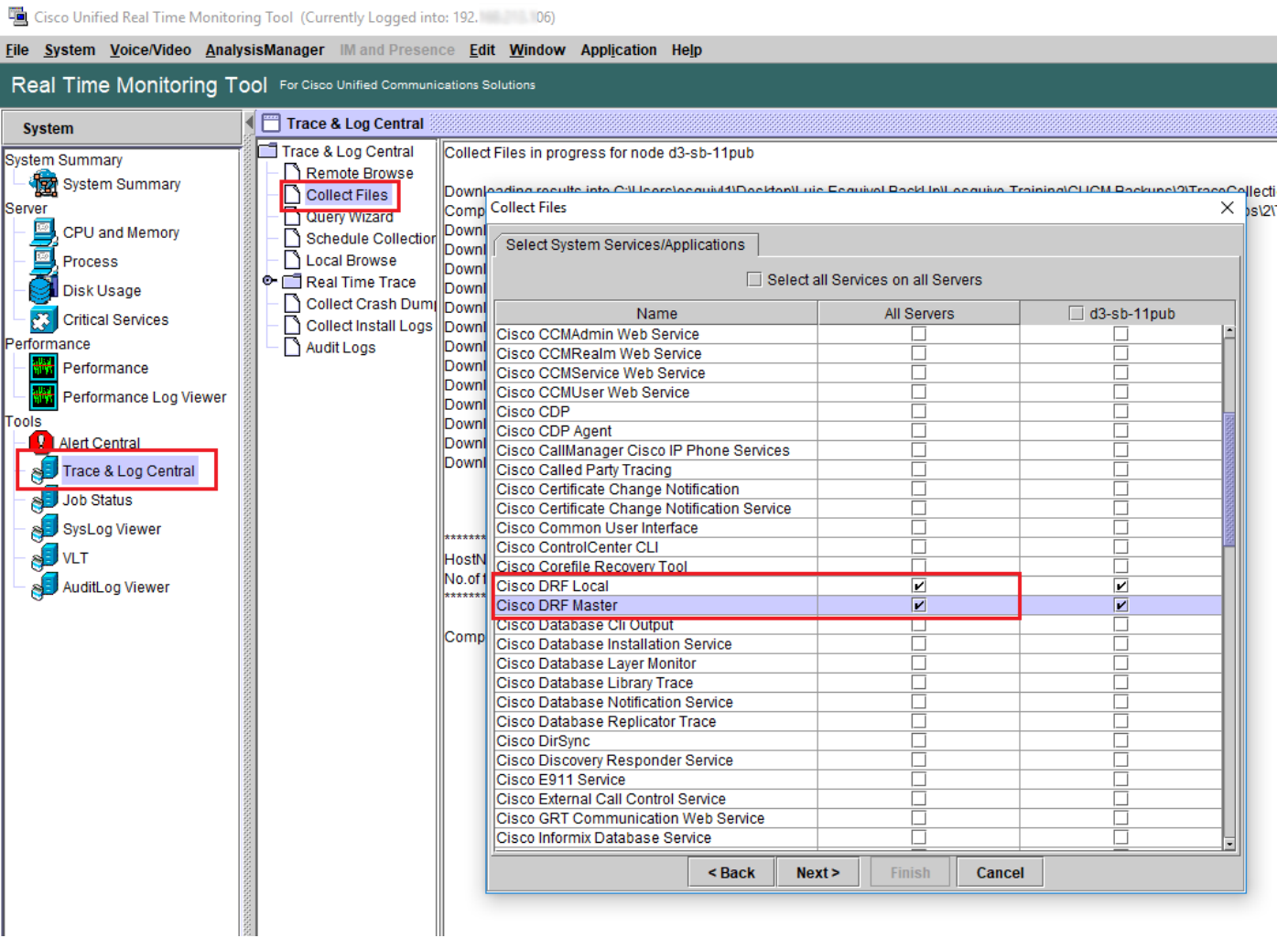
## Problemen oplossen

Om back-ups van problemen op CUCM te kunnen oplossen, hebt u het volgende nodig:

- DRF Lokale loggen
- DRF-Master logs

In RTMT, navigeer naar **Trace en Log Central > Verzamel bestanden > Cisco DRF Local en Cisco DRF Master** voor alle servers zoals in de afbeelding:





U kunt informatie vinden in [Hoe u Traces kunt verzamelen voor CUCM 9.x of later](#)

Toegang tot de externe SFTP wordt aanbevolen.