

# Cisco CUCM(Unified Communication Manager) 백업 구성 및 문제 해결

## 목차

[소개](#)

[사전 요구 사항](#)

[요구 사항](#)

[사용되는 구성 요소](#)

[배경 정보](#)

[구성](#)

[GUI 절차를 통해 백업 디바이스 추가](#)

[CLI 절차를 통해 백업 디바이스 추가](#)

[백업 디바이스 추가 로그 분석](#)

[GUI 절차를 통해 수동 백업 시작](#)

[CLI 절차를 통해 수동 백업 시작](#)

[GUI를 통한 예약 백업 활성화 절차](#)

[CLI를 통한 예약 백업 활성화 절차](#)

[CUCM 이전 백업 삭제 예](#)

[새 백업 생성 및 이전 백업 삭제에 대한 로그 분석](#)

[다음을 확인합니다.](#)

[문제 해결](#)

## 소개

이 문서에서는 CUCM(Cisco Unified Communication Manager)에 백업 디바이스를 추가하는 절차에 대해 설명합니다.

## 사전 요구 사항

### 요구 사항

다음 주제에 대한 지식을 보유하고 있으면 유용합니다.

- Cisco CUCM(Unified Communication Manager)
- SFTP(Secure File Transfer Protocol) 서버 관리

### 사용되는 구성 요소

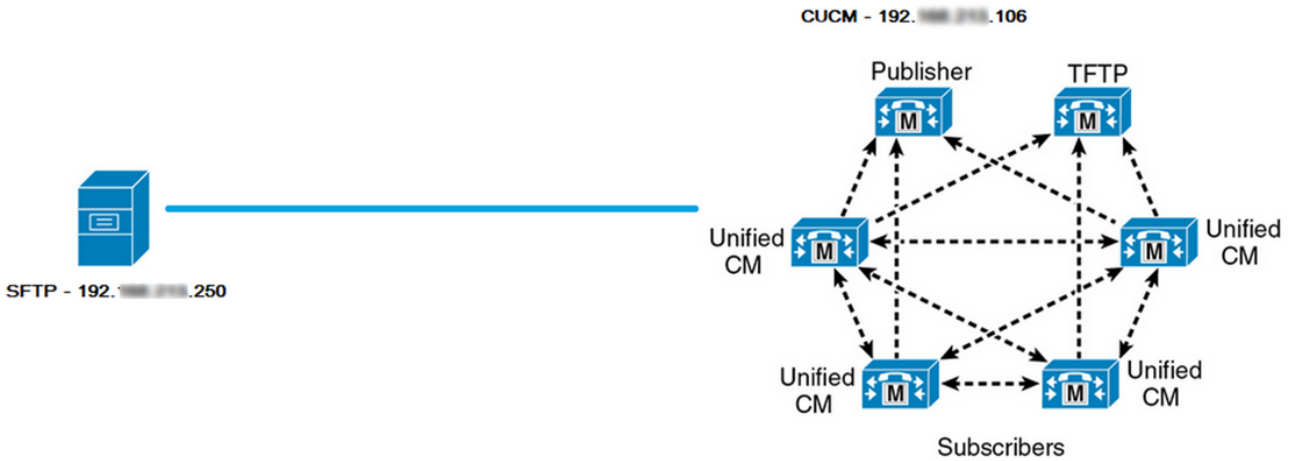
- Cisco Unified Communications Manager 11.5
- Linux SFTP 서버

이 문서의 정보는 특정 랩 환경의 디바이스를 토대로 작성되었습니다. 이 문서에 사용된 모든 디바이스는 초기화된(기본) 컨피그레이션으로 시작되었습니다. 네트워크가 작동 중인 경우 모든 명령의 잠재적인 영향을 이해해야 합니다.

# 배경 정보

모든 소프트웨어를 사용하여 환경에서 사용할 수 있는 백업의 목표는 재해 발생 시 복구할 수 있는 것입니다. 소프트웨어가 손상되거나 하드웨어에 장애가 발생하거나 자연 재해가 발생할 때 데이터가 손실되지 않도록 백업을 수행해야 합니다.

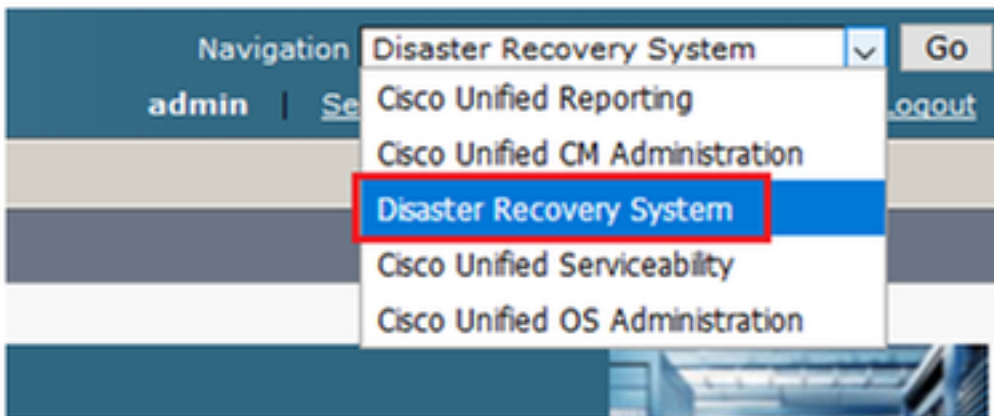
이미지에 표시된 대로 CUCM 및 SFTP 토폴로지:

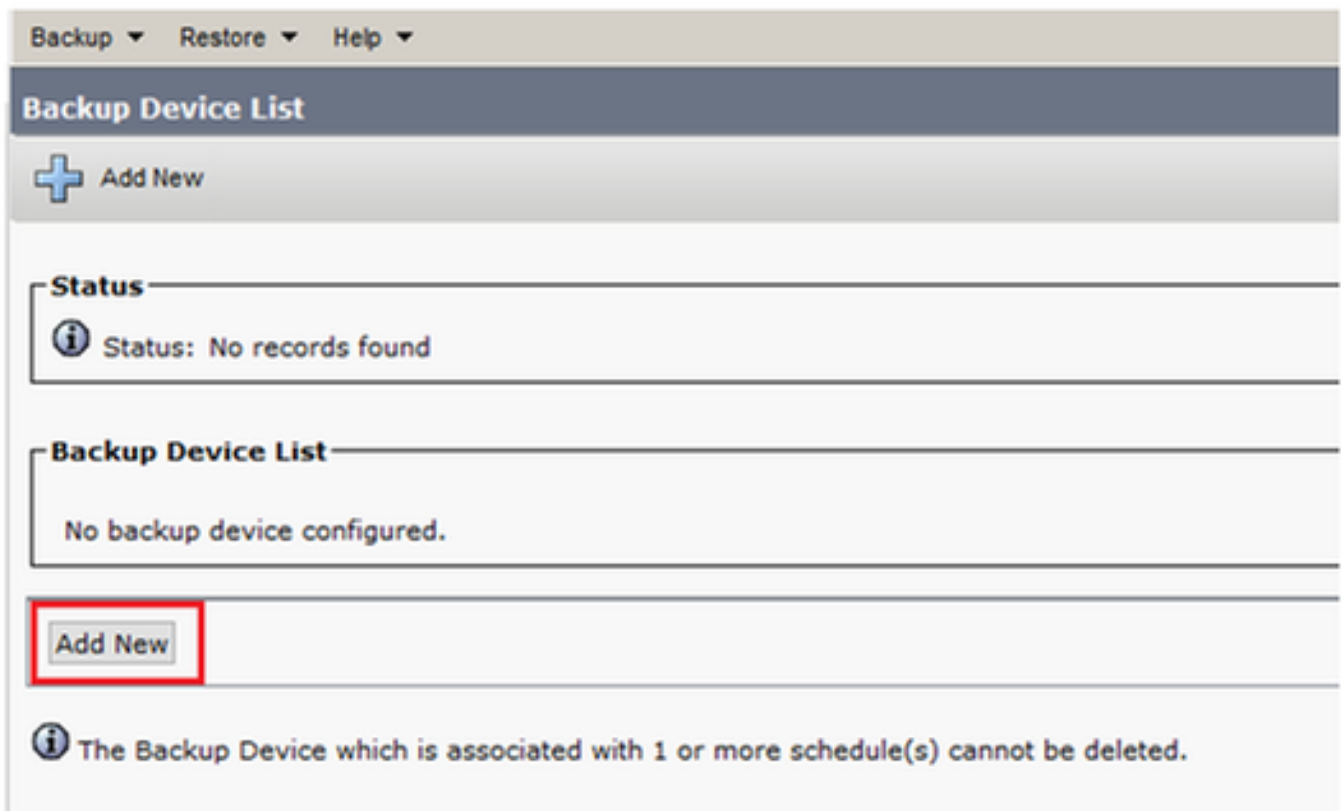


# 구성

## GUI 절차를 통해 백업 디바이스 추가

1단계. CUCM > Disaster Recovery System > Backup > Backup Device로 이동하고 이미지에 표시된 대로 Add New(새로 추가)를 클릭합니다.







2단계. 다음 이미지에 표시된 대로 백업 디바이스 이름, IP 주소, 경로 이름, 사용자 이름 및 비밀번호를 추가합니다.

- IP 주소는 백업이 저장되는 대상 SFTP 서버여야 합니다.
- 경로 이름은 백업이 저장되는 SFTP 서버 내의 디렉토리입니다.
- 인증을 위해 SFTP 서버에 사용자 이름과 암호가 있어야 합니다.
- Number of backups to store in the Network Directory(네트워크 디렉토리에 저장할 백업 수)는 SFTP 디렉토리 내에 보관해야 하는 백업 수로 설정해야 합니다.

완료되면 저장을 클릭합니다.


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  ▾

---


이미지에 표시된 대로 업데이트 성공 확인:

**Backup Device**

Save  Back

---

**Status**

 Update successful

---

**Backup device name**


Backup device name\*

---

**Select Destination\***

**Network Directory**

Host name/IP address	192. . . . . 250
Path name	/UCM/Backups/
User name	cisco
Password	•••••

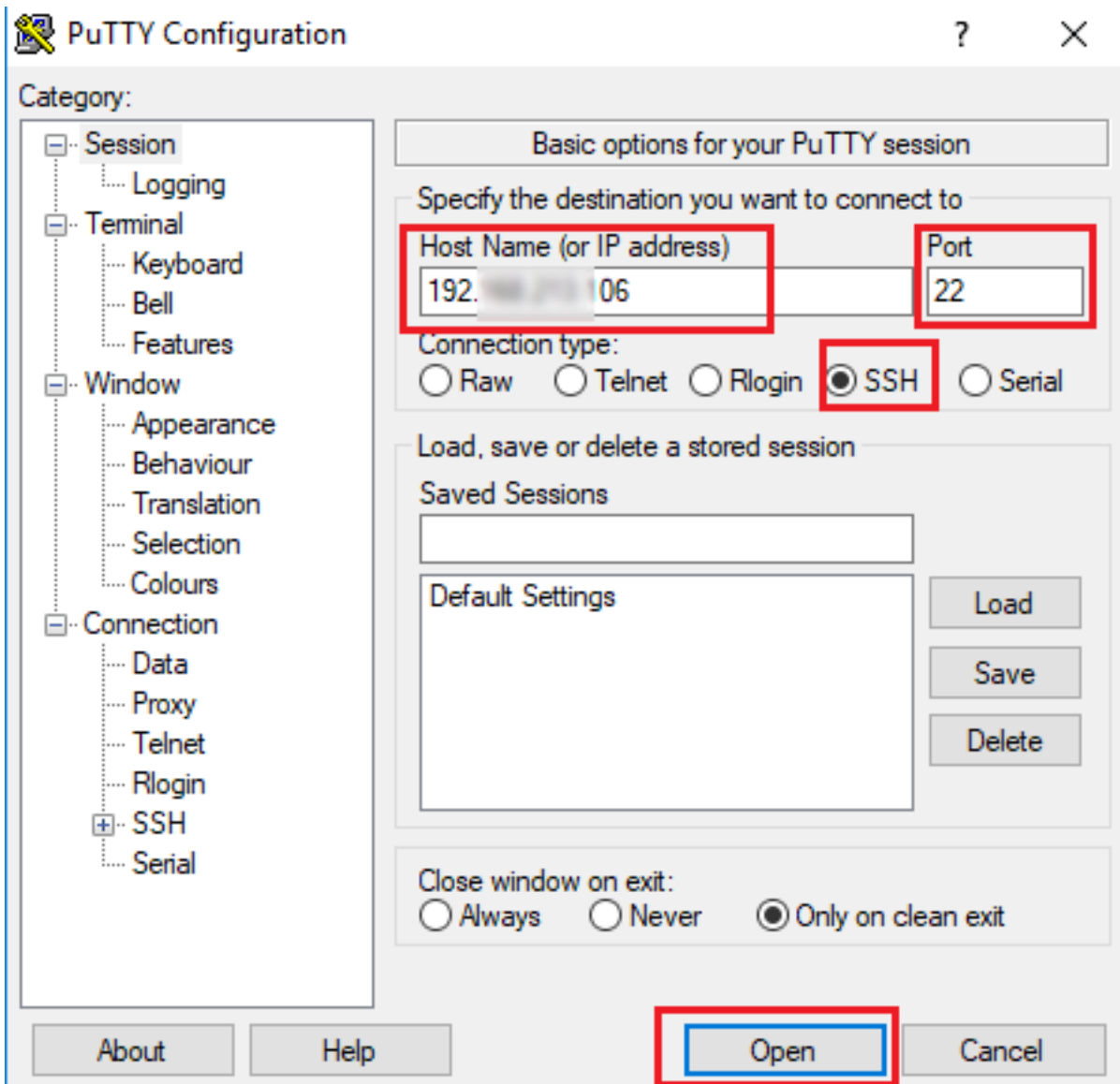
Number of backups to store on Network Directory  

---

Save

## CLI 절차를 통해 백업 디바이스 추가

1단계. CUCM Publisher의 IP 주소에 SSH(Secure Shell)를 넣고 이미지에 표시된 대로 OS(운영 체제) 사용자 이름 및 비밀번호로 인증합니다.



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
```

2단계. 구문을 사용하여 백업 디바이스를 추가합니다. `utils disaster_recovery device add network <backup device name> <path> <ip-address of remote server> <username> [number of backups]`(이미지에 표시된 대로 백업 수)를 추가합니다.

```

admin:utils disaster_recovery device add network TAC-Backup /UCM/Backups/ 192.106.250 cisco 1
Please enter password to connect to network server 192.106.250:*****
drfCliMsg: Backup Device has been saved successfully.
admin:

```

이 백업 디바이스 추가 절차 시 CUCM에서 다음 단계가 수행됩니다.

1. SFTP 서버에 접속하여 인증
2. 디렉터리에 테스트 파일 전송
3. SFTP 서버에서 연결 끊기
4. SFTP 서버에 접속하여 인증
5. 디렉터리에서 테스트 파일 삭제
6. SFTP 서버에서 연결 끊기

참고:이러한 단계 중 하나라도 실패하면 CUCM에서 백업 디바이스를 추가할 수 없습니다.

### 백업 디바이스 추가 로그 분석

```

+++++
++
새 백업 대상을 추가하기 위해 UpdateDestination 요청이 전송됩니다.
+++++
++

```

```

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 =====

```

```

+++++
CUCM은 SFTP 서버에 연결을 시도합니다.
+++++

```

```

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...

```

```

+++++
인증이 성공적으로 완료되었습니다.
+++++

```

```

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

++++  
++++

CUCM에서 파일 전송 위치:/common/drf/d3-sb-11pub\_dUmmI\_Drf 서버:192.X.X.250 /UCM/백업 /d3-sb-11pub\_dUmmI\_Drf

이는 CUCM에 읽기/쓰기 권한이 있는지 확인하기 위해 수행됩니다.

++++  
++++

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

++++

파일 전송 완료

++++

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

++++

CUCM에서 ChannelSftp를 닫습니다.

++++

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...

++++

CUCM은 SFTP 서버에 연결을 시도합니다.

++++

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...

++++

인증이 성공적으로 완료되었습니다.

++++

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

++++

++++

CUCM은 서버에서 /UCM/Backups/d3-sb-11pub\_dUmmI\_Drf 파일을 삭제합니다.192.X.X.250



이는 CUCM에 읽기/쓰기 권한이 있는지 확인하기 위해 수행됩니다.

+++++

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

+++++
성공적으로 삭제됨
+++++

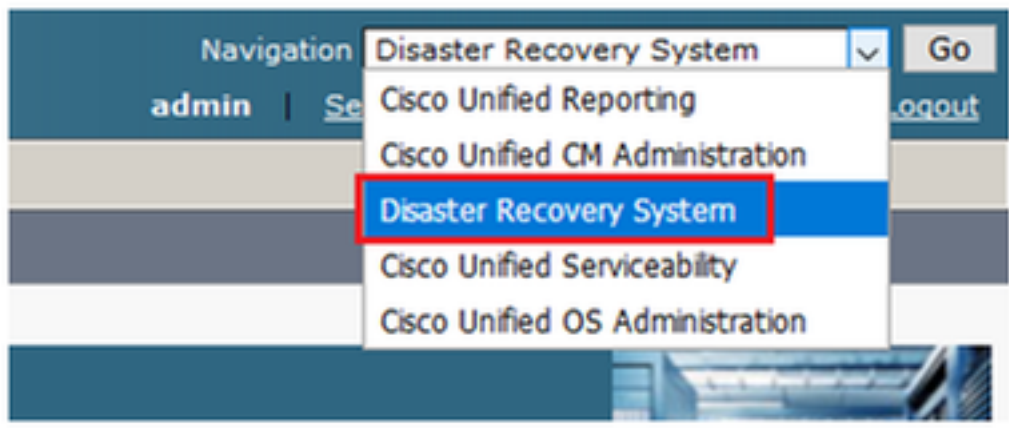
2018-12-24 11:39:24,277 INFO [NetMessageDispatch] - drfutils.sftpDeleteFiles: Successfully deleted /UCM/Backups/d3-sb-11pub\_dUmmI\_Drf on the Server 192.X.X.250

+++++
CUCM에서 ChannelSftp를 닫습니다.
+++++

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...

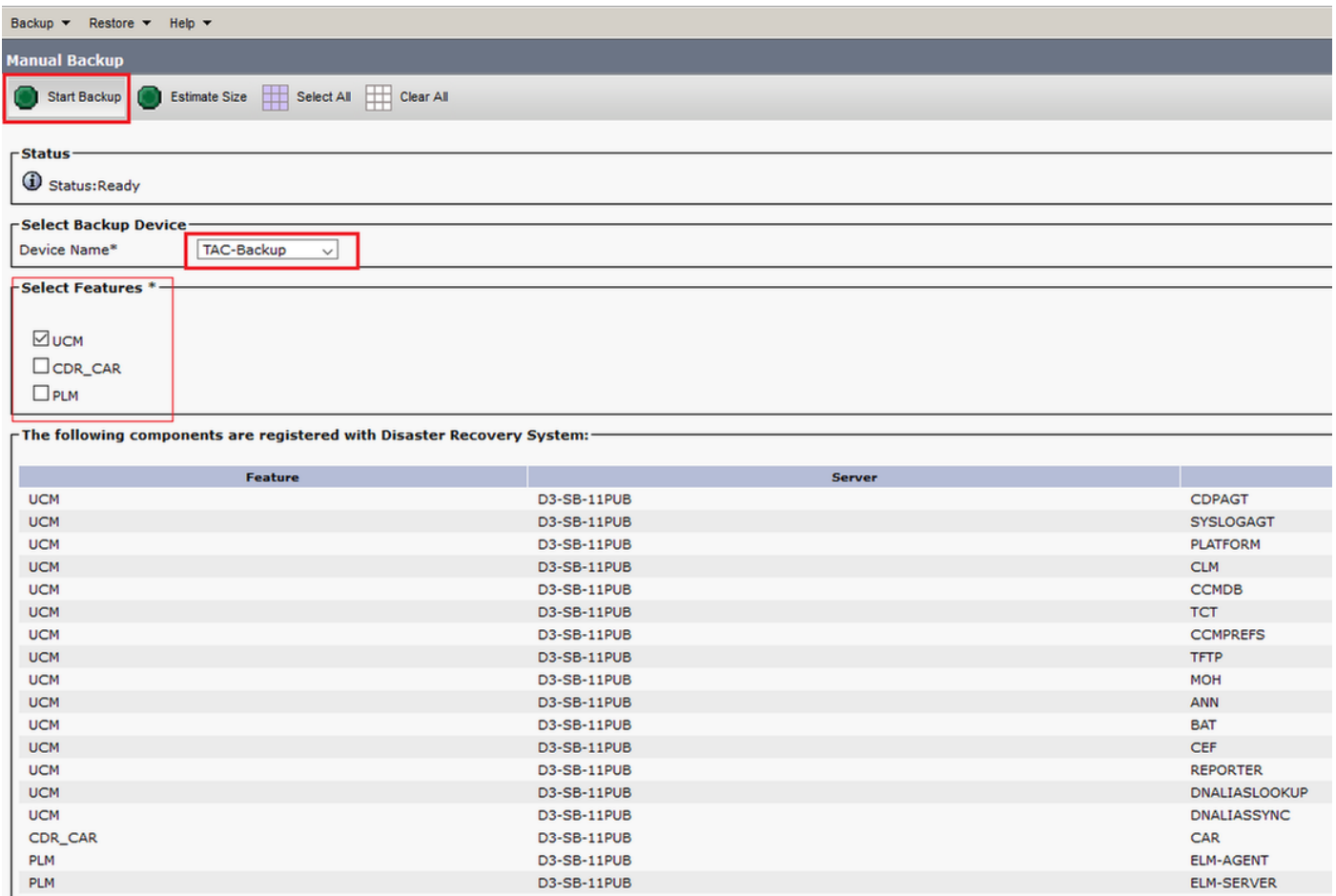
### GUI 절차를 통해 수동 백업 시작

1단계. 이미지에 표시된 대로 CUCM > Disaster Recovery System > Backup > Manual Backup으로 이동합니다.





2단계. 백업 장치, 백업할 기능을 선택하고 시작을 클릭합니다. 이 예에서는 이미지에 표시된 대로 UCM 기능만 백업됩니다.



- 백업이 진행 중일 때 이미지에 표시된 것처럼 상태가 표시됩니다.

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

- 백업이 완료되면 이미지에 표시된 대로 CUCM에서 Backup Completed(백업 완료)를 나타내는 SUCCESS 메시지가 표시됩니다.

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

- 백업이 완료되면 이미지에 표시된 대로 SFTP 디렉토리에 .TAR 파일이 표시됩니다. 이러한 파일은 복구가 필요한 경우 나중에 사용됩니다.

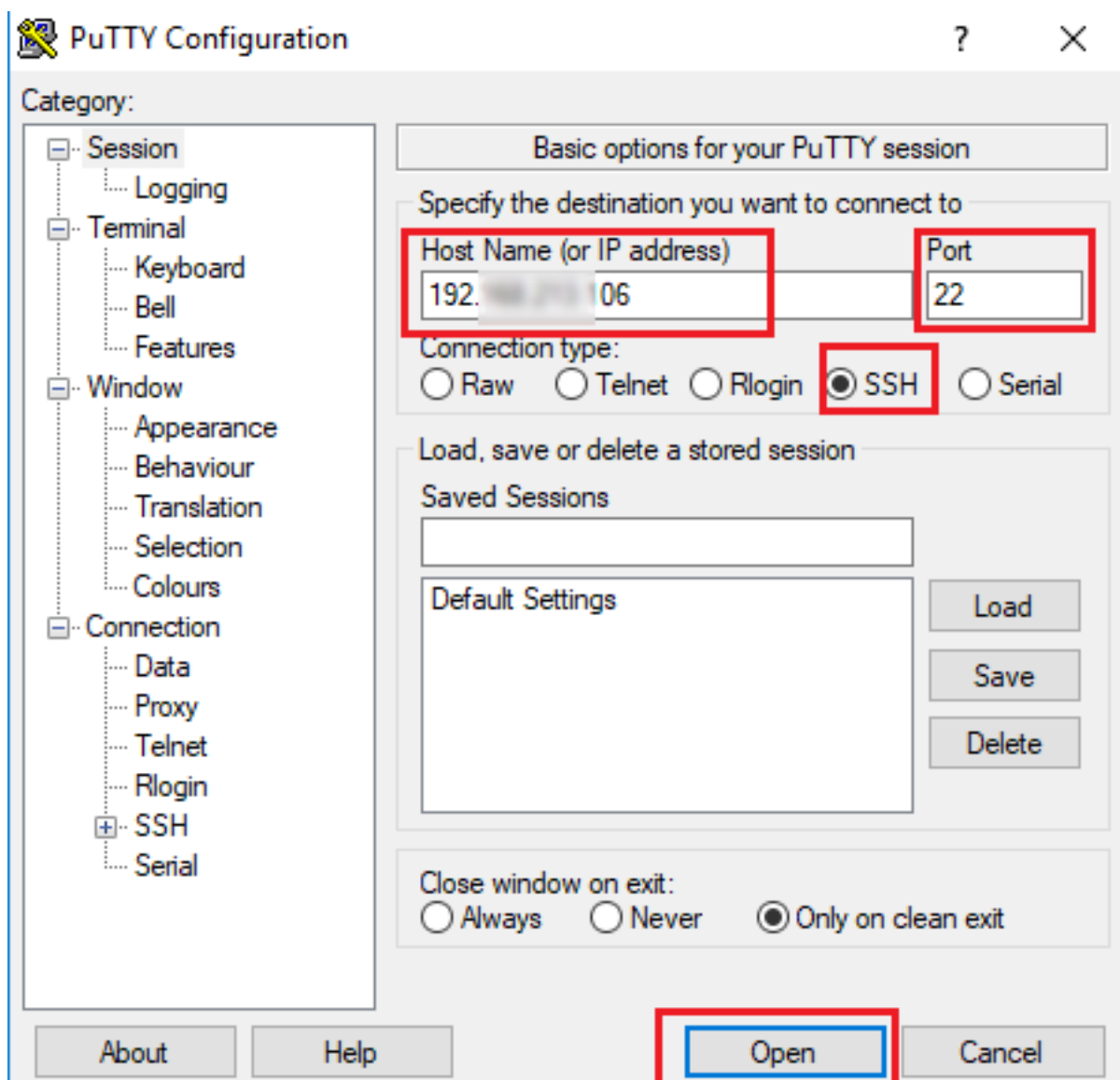
```

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#

```

## CLI 절차를 통해 수동 백업 시작

1단계. CUCM Publisher의 IP 주소에 SSH(Secure Shell)를 입력하고 다음 이미지에 표시된 대로 OS 사용자 이름 및 비밀번호로 인증합니다.



2단계. 다음과 같이 명령 구문을 사용하여 수동 백업을 시작합니다. `utils disaster_recovery backup`

network <featurelist> <backup device name>

```
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
```

- 백업이 진행 중인 경우 명령 구문과 함께 상태 표시가 나타납니다. 이미지에 표시된 대로 `utils disaster_recovery` 상태 백업:

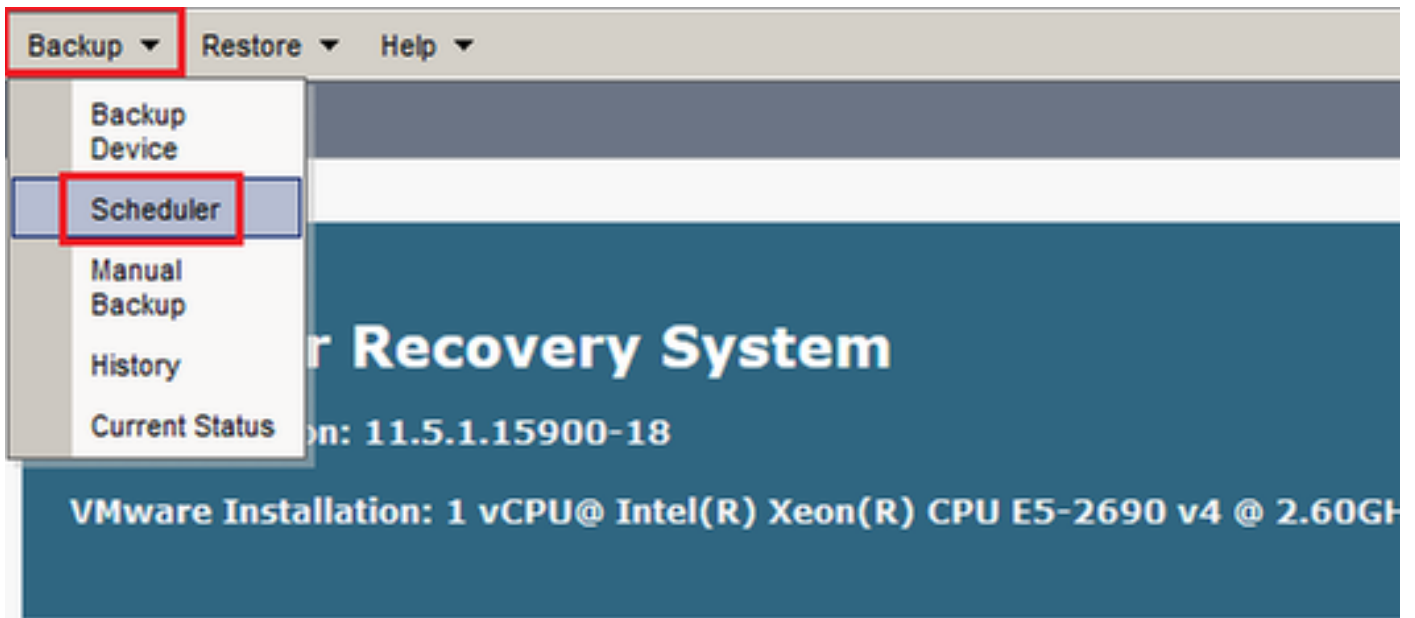
```
192.168.1.106 - PuTTY
admin:utils disaster_recovery status backup
Status: Backup operation in progress for server [D3-SB-11PUB], please wait...
Tar Filename: 2018-12-24-13-21-17.tar
Storage Location: NETWORK
Operation: backup
Percentage Complete: 46
UCM D3-SB-11PUB CDPAGT SUCCESS Mon Dec 24 13:21:17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

- 백업이 완료되면 명령 구문과 함께 성공 메시지가 표시됩니다. 이미지에 표시된 대로 `utils disaster_recovery` 상태 백업:

```
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:
```

## GUI를 통한 예약 백업 활성화 절차

1단계. CUCM > Disaster Recovery System > Backup > Scheduler >> Add New New로 이동합니다



2단계. 이미지에 표시된 자동 백업 작업 이름을 추가합니다.

**Scheduler**

Save Set Default Disable Schedule Enable Schedule Back

**Status**  
 Status: Ready

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

**Select Backup Device**

3단계. 백업 장치 선택

**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

4단계. 백업할 기능을 선택합니다.

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

**Select Features \***

UCM  CDR\_CAR  PLM

The following components are registered with Disaster Recovery System:

5단계. 시작 날짜를 선택하고 빈도를 선택합니다.

**Start Backup at \***

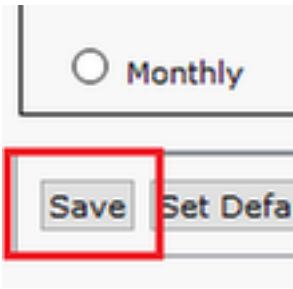
Date 2018 Dec 30 Time 00 Hour 00 Minute

**Frequency \***

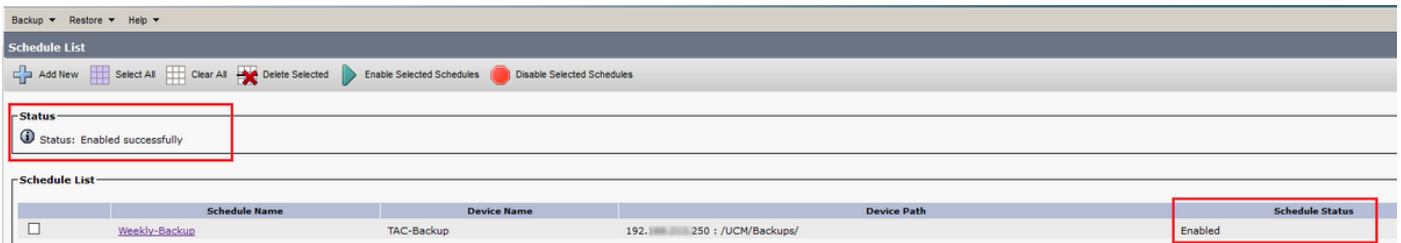
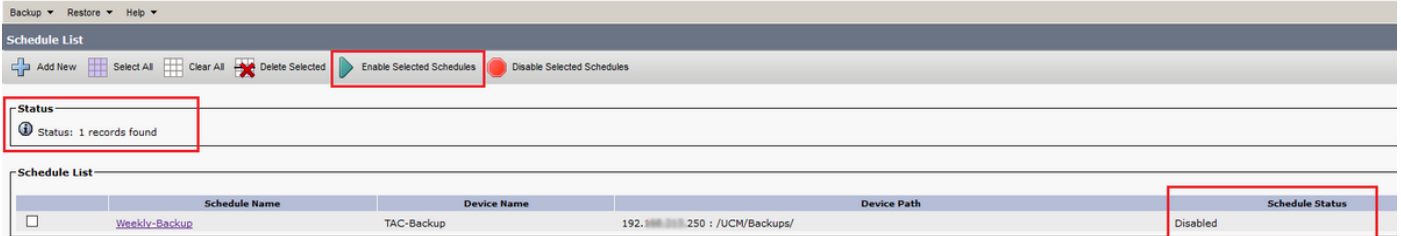
Once  
 Daily  
 Weekly  
 Monthly

Monday  Tuesday  Wednesday  Thursday  
 Friday  Saturday  Sunday

6단계. 저장



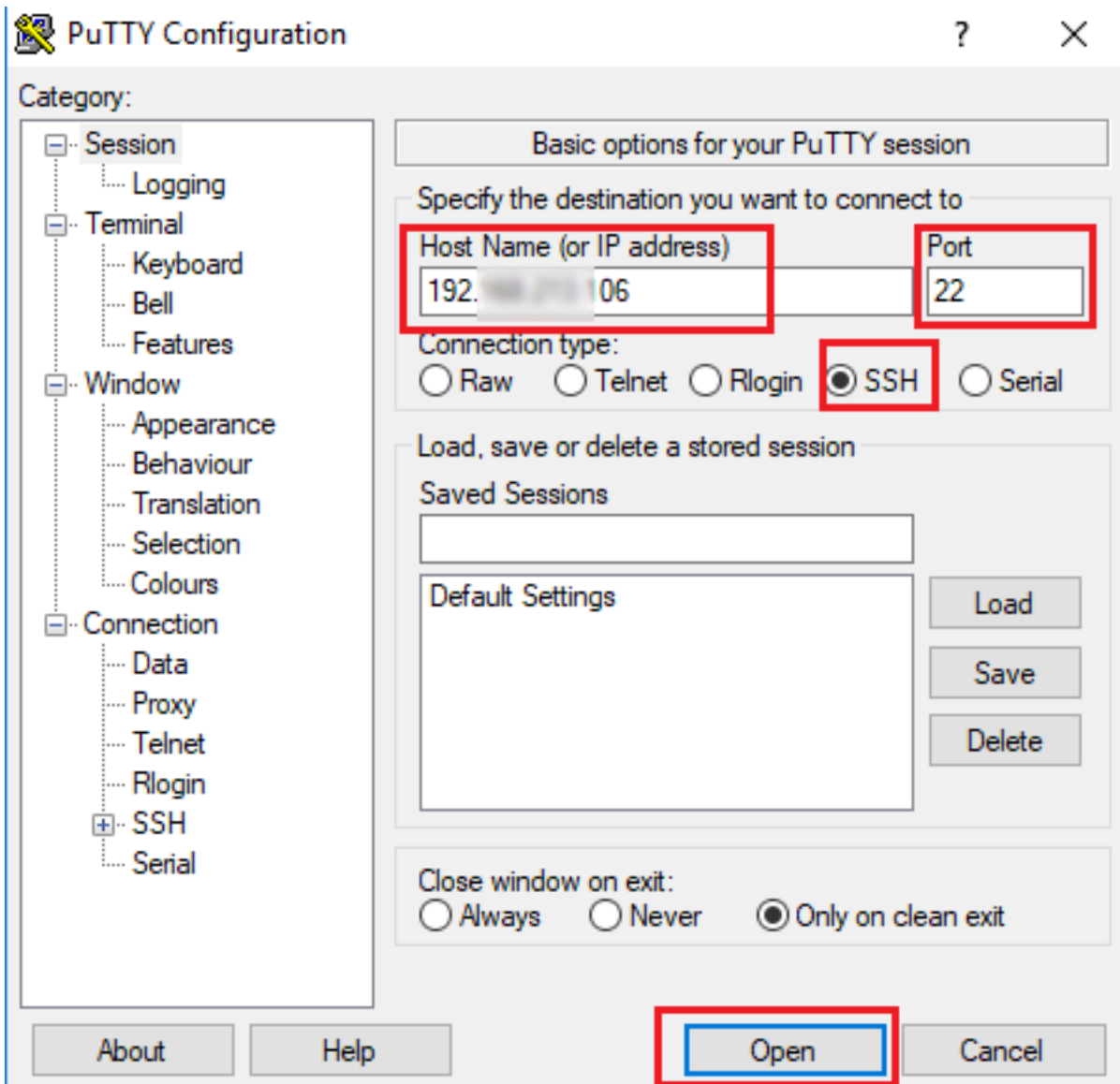
7단계. 예약된 백업을 활성화합니다.



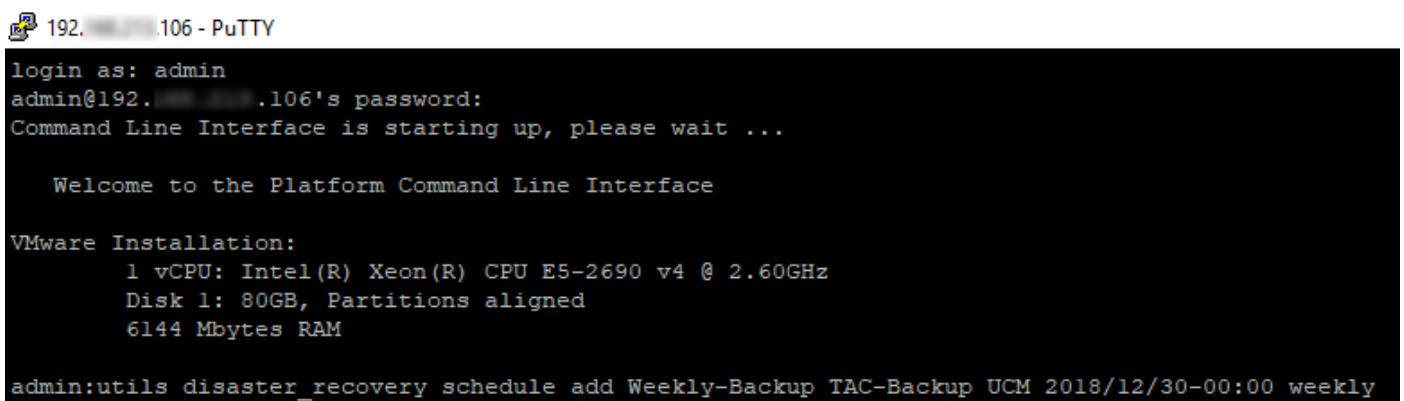
## CLI를 통한 예약 백업 활성화 절차

1단계. CUCM Publisher의 IP 주소에 SSH(Secure Shell)를 입력하고 다음 이미지에 표시된 대로 OS 사용자 이름 및 비밀번호로 인증합니다.





2단계. 명령 구문을 사용하여 예약된 백업을 추가합니다. `utils disaster_recovery schedule add <schedulename> <devicename> <featurelist> <datetime> <이미지에 표시된 빈도>`:



3단계. 다음 명령 구문을 사용하여 예약된 백업을 활성화합니다. `utils disaster_recovery schedule은 <schedulename>을(를) 이미지에 표시된 대로 활성화합니다.`

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

## CUCM 이전 백업 삭제 예

이미지에 표시된 대로 백업 수가 1로 설정된 백업 디바이스 컨피그레이션:

### Backup Device

Save
 Back

**Status**

Status: Ready

**Backup device name**

Backup device name\*

**Select Destination\***

Network Directory	Host name/IP address	Path name	User name	Password
	<input type="text" value="192. 250"/>	<input type="text" value="/UCM/Backups/"/>	<input type="text" value="cisco"/>	<input type="password" value="....."/>

Number of backups to store on Network Directory

이미지에 표시된 것처럼 백업 디렉토리(16개 파일)는 1개만 사용할 수 있습니다.

```
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_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:/home/cisco/UCM/Backups#
```

CUCM은 먼저 이전 백업을 삭제하기 전에 백업 파일을 전송하기 시작합니다(32개 파일에 도달함).

**Backup Status**

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

**Backup details**  
Tar Filename: 2018-12-25-11-12-03.tar  
Backup Device: NETWORK  
Operation: BACKUP  
Percentage Complete: 46%

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	CCMPPREFS	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	DNALIASLOOKUP	0	---
UCM	D3-SB-11PUB	DNALIASYNC	0	---

백업이 완료되면 DRS는 Network Directory에 저장할 백업 수(16개 파일)를 준수하기 위해 이전 백업을 삭제합니다.

**Backup Status**

**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
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	CCMPPREFS	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	DNALIASLOOKUP	100	SUCCESS
UCM	D3-SB-11PUB	DNALIASYNC	100	SUCCESS

## 새 백업 생성 및 이전 백업 삭제에 대한 로그 분석

+++++++  
수동 백업이 시작될 때 표시되는 메시지:수동 시작  
+++++++

```
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 =====
```

+++++

**백업 디바이스로 추가된 디바이스입니다.TAC-백업**

+++++

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

+++++

**SFTP에 액세스할 수 있는지 확인**

+++++

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.

+++++

**CUCM이 원격 SFTP 서버에 연결**

+++++

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

+++++

선택한 기능 수:  
선택한 기능 1개 찾음  
기능 이름:UCM

+++++

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: CCMREFSDirectBackup 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

++++  
**지정된 경로에서 33개의 파일 발견**  
++++

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\_CCMPPREFS.tar
- 2018-12-25 11:16:23,886 DEBUG [TarWorkerThread] - drfutils.sftpLsFiles-: 2018-12-24-13-21-17\_D3-SB-11PUB\_UCM\_CCMPPREFS.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\_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\_DNALIASKLOOKUP.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

+++++

백업 수를 추적하는 데 사용됩니다.  
DRS는 이전 백업 ID 목록을 가져옵니다.

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

+++++

목록 크기:1

+++++

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

+++++

+++++

CUCM은 다음을 제거합니다./UCM/백업/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\*

+++++

현재 목록에는 1개의 백업만 있음

+++++

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\_DNALIASKLOOKUP.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.

++++  
**CUCM에서 ChannelSftp를 닫습니다.**  
++++

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...

++++  
**백업 작업 완료**  
++++

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

**다음을 확인합니다.**

백업이 성공했는지 확인하려면 상태 메시지 SUCCESS를 확인해야 합니다.이미지에 표시된 대로 백업 완료:

**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_CCMPREFS.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
  
```

## 문제 해결

CUCM에서 백업 문제를 해결하려면 다음을 수행해야 합니다.

- DRF 로컬 로그
- DRF 마스터 로그

RTMT에서 이미지에 표시된 대로 **Trace and Log Central > Collect Files > Cisco DRF Local & Cisco DRF Master for all servers**로 이동합니다.



Collect Files in progress for node d3-sb-11pub

Select System Services/Applications

Select all Services on all Servers

Name	All Servers	d3-sb-11pub
Cisco CCMAdmin Web Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco CCMRealm Web Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco CCMService Web Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco CCMUser Web Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco CDP	<input type="checkbox"/>	<input type="checkbox"/>
Cisco CDP Agent	<input type="checkbox"/>	<input type="checkbox"/>
Cisco CallManager Cisco IP Phone Services	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Called Party Tracing	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Certificate Change Notification	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Certificate Change Notification Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Common User Interface	<input type="checkbox"/>	<input type="checkbox"/>
Cisco ControlCenter CLI	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Corefile Recovery Tool	<input type="checkbox"/>	<input type="checkbox"/>
Cisco DRF Local	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cisco DRF Master	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cisco Database Cli Output	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Database Installation Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Database Layer Monitor	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Database Library Trace	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Database Notification Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Database Replicator Trace	<input type="checkbox"/>	<input type="checkbox"/>
Cisco DirSync	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Discovery Responder Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco E911 Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco External Call Control Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco GRT Communication Web Service	<input type="checkbox"/>	<input type="checkbox"/>
Cisco Informix Database Service	<input type="checkbox"/>	<input type="checkbox"/>

< Back   Next >   Finish   Cancel

CUCM 9.x 이상의 [추적 수집 방법](#)에서 세부 정보를 찾을 수 있습니다.

원격 SFTP에 액세스하는 것이 좋습니다.