

通过CLI备份和恢复CUCM的操作

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简介

本文档介绍如何使用灾难恢复系统(DRS)在带命令行界面(CLI)的Cisco Unified Communications Manager(CUCM)上执行备份和恢复操作的过程。

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先决条件

读者无需满足任何前提条件即可理解本文档内容。

要求

本文档没有任何特定的要求。

使用的组件

本文档不限于特定的软件和硬件版本。

背景信息

管理员通常通过灾难恢复系统(DRS)Web图形用户界面(GUI)执行备份和恢复操作。

在许多情况下，管理员由于网络问题或Cisco Tomcat服务未运行而无法登录到灾难恢复系统(DRS)网页。

在这些情况下，管理员可以使用灾难恢复系统(DRS)、命令行界面(CLI)命令执行备份或恢复操作。

备份过程

1.添加备份设备。

语法:

```
utils disaster_recovery device add network <backup device name> <path> <ip-address of remote
```

server> <username> [backups number of backups]

示例：

```
admin:utils disaster_recovery device add network linuxbox ./ 10.48.53.123 ccmadmin
Please enter password to connect to network server 10.48.53.123:****
drfCliMsg: Backup Device has been saved successfully.
```

2.检查添加的设备。

语法:

utils disaster_recovery设备列表

示例：

```
admin:utils disaster_recovery device list
Device Name          Device Type          Device Path
-----
linuxbox             NETWORK             ./
```

3.备份。

语法:

utils disaster_recovery backup network <featurelist> <backup device name>

功能列表 — 要备份的功能列表，以逗号分隔。使用“**utils disaster_recovery show_registration <servername>**”可显示已注册功能的列表。

示例：

```
admin:utils disaster_recovery backup network UCM,CDR_CAR,PLM linuxbox
drfCliMsg: Backup initiated successfully. Please run 'utils disaster_recovery status backup'
command to see the status
```

```
<p style="background-image: url('http://www.cisco.com/en/US/i/templates/warn.gif'); background-
repeat: no-repeat; background- position: 2px 4px;
height: auto; width: auto; padding: 10px 5px 10px 35px; margin-top: 10px; margin-bottom: 10px;
border-top: 1px solid #ccc; border-bottom: 1px
solid #ccc; overflow-x: hidden;"><strong>Warning</strong>: {The DRS Backup archive encryption
depends on the current security password (Provided at the time of install). During a restore,
you could be prompted to enter this security password if this password has been changed.}</p>
```

4.检查备份的状态。

语法:

utils disaster_recovery status backup

示例：

```
admin:utils disaster_recovery status backup

Status: SUCCESS :Backup Completed...
```

Tar Filename: 2017-08-18-12-17-19.tar
Storage Location: NETWORK
Operation: backup
Percentage Complete: 100
PLM CUCM160 ELM-AGENT SUCCESS Fri Aug 18 12:17:19 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_plm_elm-agent.log
PLM CUCM160 ELM-SERVER SUCCESS Fri Aug 18 12:17:21 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_plm_elm-server.log
CDR_CAR CUCM160 CAR SUCCESS Fri Aug 18 12:17:27 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_cdr_car_car.log
UCM CUCM160 BAT SUCCESS Fri Aug 18 12:19:23 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_bat.log
UCM CUCM160 CCMPREFS SUCCESS Fri Aug 18 12:19:25 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_ccmprefs.log
UCM CUCM160 PLATFORM SUCCESS Fri Aug 18 12:19:30 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_platform.log
UCM CUCM160 TCT SUCCESS Fri Aug 18 12:19:34 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_tct.log
UCM CUCM160 SYSLOGAGT SUCCESS Fri Aug 18 12:19:35 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_syslogagt.log
UCM CUCM160 CDPAGT SUCCESS Fri Aug 18 12:19:36 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_cdpagt.log
UCM CUCM160 CLM SUCCESS Fri Aug 18 12:19:37 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_clm.log
UCM CUCM160 CCMDB SUCCESS Fri Aug 18 12:19:37 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_ccmdb.log
UCM CUCM160 TFTP SUCCESS Fri Aug 18 12:20:15 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_tftp.log
UCM CUCM160 ANN SUCCESS Fri Aug 18 12:21:33 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_ann.log
UCM CUCM160 MOH SUCCESS Fri Aug 18 12:21:34 CEST 2017 activelog/platform/drf/log/2017-08-18-12-17-19_b_cucm160_ucm_moh.log

恢复过程

1. 检查远程sftp服务器上存在的备份文件。

语法:

```
utils disaster_recovery show_backupfiles <backup device name>
```

示例 :

```
admin:utils disaster_recovery show_backupfiles linux123
```

```
2017-08-18-14-45-38
```

```
2017-08-18-12-17-19
```

- 2.从备份恢复系统

从上一输出中选择备份文件。

语法:

```
utils disaster_recovery restore network <ip-address of remote server> <tarfilename> <backup device name>
```

示例：

```
admin:utils disaster_recovery restore network 10.48.53.160 2017-08-18-14-45-38 linux123
```

```
drfCliMsg: WARNING! There are nodes in current production cluster but NOT present in the backup.
These nodes will be removed if you restore the Publisher. If you want to keep these nodes, you
will need to manually re-add them after the restore.
```

```
Do you want DRS to perform a SHA-1 File Integrity Check of your backup archives y/n?(n) : y
```

```
Please enter the comma separated features you wish to restore. Valid features for server CUCM160
are PLM,CDR_CAR,UCM:PLM,CDR_CAR,UCM
```

```
Do you want to restore database from the subscriber y/n?(n) : n
```

```
drfCliMsg: Restore initiated successfully. Please run 'utils disaster_recovery status restore'
command to see the status
```

```
ALERT: Please restart the server(s) before performing the next restore for changes to take
effect. In case of a cluster, restart the entire cluster.
```

```
<p style="background-image: url('http://www.cisco.com/en/US/i/templates/note.gif'); background-
repeat: no-repeat; background- position: 2px 4px;
height: auto; width: auto; padding: 10px 5px 10px 35px; margin-top: 10px; margin-bottom: 10px;
border-top: 1px solid #ccc; border-bottom: 1px
solid #ccc; overflow-x: hidden;"><strong>Note</strong>: {If you are restoring the system to be
in FIPS mode, please note that it will be enabled during this restore, but will not take effect
until the next reboot..}</p>
```

3. 检查恢复状态

恢复过程可能需要时间，具体取决于数据库大小。

语法:

```
utils disaster_recovery status restore
```

示例：

```
admin:utils disaster_recovery status restore
```

```
Status: SUCCESS :Restore Completed...
```

```
Tar Filename: 2017-08-18-14-45-38.tar
```

```
Storage Location: NETWORK
```

```
Operation: restore
```

```
Percentage Complete: 100
```

```
CDR_CAR CUCM160 CAR SUCCESS Fri Aug 18 15:20:15 CEST 2017
```

```
activelog/platform/drf/log/2017-08-18-15-20-01_r_cucm160_cdr_car_car.log
```

```
PLM CUCM160 ELM-AGENT SUCCESS Fri Aug 18 15:24:34 CEST 2017
```

```
activelog/platform/drf/log/2017-08-18-15-20-01_r_cucm160_plm_elm-agent.log
```

```
PLM CUCM160 ELM-SERVER SUCCESS Fri Aug 18 15:24:34 CEST 2017
```

```
activelog/platform/drf/log/2017-08-18-15-20-01_r_cucm160_plm_elm-server.log
```

```
UCM CUCM160 BAT SUCCESS Fri Aug 18 15:27:06 CEST 2017 activelog/platform/drf/log/2017-
08-18-15-20-01_r_cucm160_ucm_bat.log
```

```
UCM CUCM160 CCMPPREFS SUCCESS Fri Aug 18 15:27:06 CEST 2017
```

```
activelog/platform/drf/log/2017-08-18-15-20-01_r_cucm160_ucm_ccmprefs.log
```

```
UCM CUCM160 PLATFORM SUCCESS Fri Aug 18 15:27:13 CEST 2017
```

```
activelog/platform/drf/log/2017-08-18-15-20-01_r_cucm160_ucm_platform.log
```

```
UCM CUCM160 TCT SUCCESS Fri Aug 18 15:32:15 CEST 2017 activelog/platform/drf/log/2017-
```

08-18-15-20-01_r_cucm160_ucm_tct.log
UCM CUCM160 SYSLOGAGT SUCCESS Fri Aug 18 15:34:39 CEST 2017
activelog/platform/drf/log/2017-08-18-15-20-01_r_cucm160_ucm_syslogagt.log
UCM CUCM160 CDPAGT SUCCESS Fri Aug 18 15:34:39 CEST 2017
activelog/platform/drf/log/2017-08-18-15-20-01_r_cucm160_ucm_cdpagt.log
UCM CUCM160 CLM SUCCESS Fri Aug 18 15:37:03 CEST 2017 activelog/platform/drf/log/2017-
08-18-15-20-01_r_cucm160_ucm_clm.log
UCM CUCM160 CCMDB SUCCESS Fri Aug 18 15:37:05 CEST 2017
activelog/platform/drf/log/2017-08-18-15-20-01_r_cucm160_ucm_ccmdb.log
UCM CUCM160 TFTP SUCCESS Fri Aug 18 15:45:12 CEST 2017
activelog/platform/drf/log/2017-08-18-15-20-01_r_cucm160_ucm_tftp.log
UCM CUCM160 ANN SUCCESS Fri Aug 18 15:46:38 CEST 2017 activelog/platform/drf/log/2017-
08-18-15-20-01_r_cucm160_ucm_ann.log
UCM CUCM160 MOH SUCCESS Fri Aug 18 15:46:39 CEST 2017 activelog/platform/drf/log/2017-
08-18-15-20-01_r_cucm160_ucm_moh.log

相关条目

[思科统一通信解决方案命令行界面参考指南](#)

[Cisco Unified Communications Manager和IM & Presence服务灾难恢复系统管理指南](#)