

如何重置Cisco Emergency Responder数据库复制

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简介

本文档介绍如何重置Cisco Emergency Responder(CER)数据库复制。

先决条件

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；但是，用于创建本文档的版本是CER第10版。

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

CER数据库复制重置过程

总结步骤

步骤1.使用CER主节点的命令行界面(CLI)检测cerremote数据库表上的条目。

步骤2.在主节点和辅助节点上重新启动服务。

步骤3.从CER主节点的CLI重置复制。

步骤4.重新启动辅助节点。

步骤5.检查复制

步骤6.如有必要，重复此过程

详细步骤

从主服务器的CLI删除cerremote表中的条目

使用命令`run sql delete from cerremote`可删除cerremote数据库表中的条目，然后使用命令`run sql select name from cerremote`确认cerremote表中没有条目。

```
admin:run sql delete from cerremote
Rows: 4
admin:
```

```
admin:run sql select name from cerremote
name
====
admin:
```

从主服务器和辅助服务器的CLI重启服务

使用以下命令在主节点和辅助节点上重新启动服务：

- **utils服务重新启动Cisco Emergency Responder**
- **utils service restart Cisco Tomcat**
- **utils服务重新启动Cisco DB Replicator**
- **utils服务重新启动Cisco IDS或utils服务停止Cisco IDS和 utils服务启动Cisco IDS**

```
admin:utils service restart Cisco Emergency Responder
Don't press Ctrl-c while the service is getting RESTARTED.If Service has not Restarted Properly, execute the same Command Again
Service Manager is running
Cisco Emergency Responder[STOPPING]
Cisco Emergency Responder[STOPPING]
Cisco Emergency Responder[STOPPING]
Cisco Emergency Responder[STOPPING]
Cisco Emergency Responder[STOPPING]
Cisco Emergency Responder[STOPPING]
Commanded Out of Service
Cisco Emergency Responder[NOTRUNNING]
Service Manager is running
Cisco Emergency Responder[STARTING]
Cisco Emergency Responder[STARTING]
Cisco Emergency Responder[STARTED]
admin:
```

```
admin:utils service restart Cisco Tomcat
Don't press Ctrl-c while the service is getting RESTARTED.If Service has not Re
started Properly, execute the same Command Again
Service Manager is running
Cisco Tomcat[STOPPING]
Cisco Tomcat[STOPPING]
Commanded Out of Service
Cisco Tomcat[NOTRUNNING]
Service Manager is running
Cisco Tomcat[STARTING]
Cisco Tomcat[STARTING]
Cisco Tomcat[STARTED]
admin:□
```

```
admin:utils service restart A Cisco DB Replicator
Don't press Ctrl-c while the service is getting RESTARTED.If Service has not Restated Prope
rly, execute the same Command Again
Service Manager is running
Commanded Out of Service
A Cisco DB Replicator[NOTRUNNING]
Service Manager is running
A Cisco DB Replicator[STARTED]
admin:█
```

```
admin:utils service stop Cisco IDS
Service Manager is running
Cisco IDS[STOPPING]
Cisco IDS[STOPPING]
Commanded Out of Service
Cisco IDS[NOTRUNNING]
admin:utils service start Cisco IDS
Service Manager is running
Cisco IDS[STARTING]
Cisco IDS[STARTING]
Cisco IDS[STARTED]
admin:□
```

从主服务器的CLI重置复制

在主节点的CLI中，使用命令utils dbreplication reset all重置集群中的复制。

```
admin:utils dbreplication reset all
Replication reset is in progress.
Background repair of replication will continue after that for about 15 minutes.
Subscriber is CERSub
Please restart the Cisco ER Subscriber node from CUOS administration or using the CLI command
: 'utils system restart'
admin:□
```

从辅助服务器的CLI重新启动服务器

在主节点上重置完成后，会显示重新启动辅助节点的提示。此时，使用命令utils system restart从

CLI重新启动辅助设备。

```
admin:utils system restart
Do you really want to restart ?
Enter (yes/no)? yes

Appliance is being Restarted ...
Warning: Restart could take up to 5 minutes.
Shutting down Service Manager. Please wait...
Manager shutting down services... Please Wait
```

在辅助服务完全服务后检查复制

当辅助服务器处于完全服务状态后，使用命令utils dreplication status从主服务器的CLI检查数据库复制。

```
admin:utils dbreplication status
----- utils dbreplication status -----
Output is in file /var/log/active/er/trace/dbl/sdi/ReplicationStatus.2015_01_21_12_28_48.out
Please use "file view activelog er/trace/dbl/sdi/ReplicationStatus.2015_01_21_12_28_48.out " command to see the o
utput
admin:
```

status命令的输出中有一个file view命令。使用file view命令确认没有问题。

文件视图活动er/trace/dbl/sdi/ReplicationStatus.YYYY_MM_DD_HH_MM_SS.out

```
admin:file view activelog er/trace/dbl/sdi/ReplicationStatus.2015_01_21_12_28_48.out
Wed Jan 21 12:28:48 2015 main()  DEBUG:  -->
Wed Jan 21 12:28:48 2015 main()  DEBUG:  Replication cluster summary:
SERVER          ID STATE      STATUS      QUEUE  CONNECTION CHANGED
-----
g_cer10_cer10_0_2_10000_11      2 Active     Local      0
g_cersub_cer10_0_2_10000_11     3 Active     Connected  0 Jan  8 15:40:17
Wed Jan 21 12:28:48 2015 main()  DEBUG:  <--
end of the file reached
options: q=quit, n=next, p=prev, b=begin, e=end (lines 1 - 7 of 7) :
admin:
```

如果看到以下输出而不是如上所示的“已连接”，则会注意到复制未正确设置。

```
SERVER          ID STATE      STATUS      QUEUE  CONNECTION CHANGED
-----
g_cer10_cer10_0_2_10000_11      2 Active     Local      0
g_cersub_cer10_0_2_10000_11     3 Active     Connecting 165527

SERVER          ID STATE      STATUS      QUEUE  CONNECTION CHANGED
-----
```

g_cer10_cer10_0_2_10000_11	2	Active	Local	0
g_cersub_cer10_0_2_10000_11	3	Active	Disconnect	0

如有必要，请重复此过程

如果复制仍不成功，则可能需要再重复此过程最多两次。如果执行此步骤3次后复制失败，请删除并重新安装订用服务器。