

从CPS (QPS)环境的收集的调试信息与一份脚本

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简介

本文描述您能在思科策略套件的脚本(CPS)使用为了同时获取几本调试日志。从CPS版本5.3.x通过版本6.x，您使用集成调试脚本zip_debug_info.sh。在CPS版本7.x您使用集成脚本capture_env.sh为了收集日志。本文解释两个方法。

通过6.x调试CPS版本的5.3.x脚本

zip_debug_info.sh脚本在pcrfclient01 VM的(虚拟机)路径/opt/broadhop/installer/diag查找。

```
[root@pcrfclient01]#ls -lrth /opt/broadhop/installer/diag/
total 48
-rwxr-xr-x 1 qns qns 2778 May 27 13:30 about.sh
-rw-r--r-- 1 qns qns 888 Jun 25 18:16 diagnostics.ini
-rwxr-xr-x 1 qns qns 16241 May 27 13:30 diagnostics.sh
-rwxr-xr-x 1 qns qns 1449 May 27 13:30 list_installed_features.sh
-rwxr-xr-x 1 qns qns 4370 May 27 13:30 list_staged_features.sh
drwxr-xr-x 6 qns qns 4096 May 27 13:30 performance
-rwxr-xr-x 1 qns qns 334 May 27 13:30 test.sh
-rwxr-xr-x 1 qns qns 1970 May 27 13:30 zip_debug_info.sh
[root@pcrfclient01]#
```

此脚本收集此套信息：

1. clock_skew.txt
2. 统一engine.log
3. 统一qns.log
4. diagnostics.txt
5. disk_usage.txt
6. 等/broadhop/

7. features.txt
8. 主机
9. 演出features.txt
10. svn.repos

捕获注册CPS

运行在pcrfclient01 VM的zip_debug_info.sh。它获取这些日志并且创建zipfile存储在 /var/tmp/debug_info- <date>.zip :

```
[root@pcrfclient01]# zip_debug_info.sh

Creating Zipfile with Debug Info...
=====
Capturing /etc/broadhop...
Capturing Logs...
Capturing Policy Builder Data...
Capturing Diagnostics...
Capturing Installed Software Versions...
Capturing Staged Software Features...
Capturing Disk Usage...
Capturing Clock Skew...
Creating zip file: /var/tmp/debug_info-2014-06-25.zip...
=====
Output debug information to: /var/tmp/debug_info-2014-06-25.zip
[root@pcrfclient01]#
```

CPS版本7.x的脚本和以后

capture_env.sh脚本查找在pcrfclient01 VM的/var/qps/bin/support/env。

```
[root@dc1-pcrfclient01 ~]# cd /var/qps/bin/support/env/

[root@dc1-pcrfclient01 env]# ls -lrt
total 200
-rwxr-xr-x 1 root root 7401 Apr 29 13:04 migrate_qps_6
-rw-r--r-- 1 root root 78798 Apr 29 13:04 env_mongo.sh
-rwxr-xr-x 1 root root 20878 Apr 29 13:04 env_import.sh
-rw-r--r-- 1 root root 62170 Apr 29 13:04 env_functions.sh
-rwxr-xr-x 1 root root 18603 Apr 29 13:04 env_export.sh
-rwxr-xr-x 1 root root 3192 Apr 29 13:04 capture_env.sh
[root@dc1-pcrfclient01 env]#
```

脚本收集此套信息：

1. clock_skew.txt
2. 统一engine.log
3. 统一qns.log
4. diagnostics.txt
5. disk_usage.txt
6. 等/broadhop/
7. features.txt
8. 主机

9. 演出features.txt

10. svn.repos

捕获注册CPS

在pcrfclient01 VM的路径/var/qps/bin/support/env/运行capture_env.sh。它获取这些日志并且创建zipfile存储在位置/var/tmp/capture_env- <YYYY-MM-DD>.tgz ：

```
[root@dc1-pcrfclient01 env]# capture_env.sh

Creating archive of QPS environment information...
-----
Capturing /etc/broadhop...
Capturing Logs...
Capturing Policy Builder Data...
Capturing Diagnostics...
Capturing Installed Software Versions...
Capturing Staged Software Features...
Capturing Disk Usage...
Capturing Clock Skew...
Creating the archive /var/tmp/capture_env-2015-06-17.tgz...
The QPS environment information has been exported
to /var/tmp/capture_env-2015-06-17.tgz
[root@dc1-pcrfclient01 env]#
```

拿来从CPS系统的收集的信息

请使用所有FTP (Flie传输协议)客户端为了登陆到您的pcrfclient01 VM和根据日志是生成的联机在/var/tmp的CPS软件版本拿来debug_info-<date>.zip或capture_env-<YYYY-DD-MM>.tgz。

示例：

Note:在CPS版本7.x，生成的文件名是capture_env-<YYYY-MM-DD>.tgz。

为在diagnosticsh.ini文件的错误排除故障在diagnostics.sh输出中

问题

如果遇到此错误，当您运行zip_debug_info.sh脚本(或时，当您运行diagnostics.sh)那么请按照在此部分提供的解决方案：

Error:

```
Creating Zipfile with Debug Info...
=====
Capturing /etc/broadhop...
Capturing Logs...
Capturing Policy Builder Data...
```

```
Capturing Diagnostics...
/opt/broadhop/installer/diag/diagnostics.ini: line 27: 27718: command not found
Capturing Installed Software Versions...
```

解决方案

编辑文件/opt/broadhop/installer/diag/diagnostics.ini并且分离与逗号的DB_REPL_PORTS而不是空间。这将解决该问题。

更正格式

```
Creating Zipfile with Debug Info...
=====

Capturing /etc/broadhop...
Capturing Logs...
Capturing Policy Builder Data...
Capturing Diagnostics...
/opt/broadhop/installer/diag/diagnostics.ini: line 27: 27718: command not found
Capturing Installed Software Versions...
```

不正确的格式

```
Creating Zipfile with Debug Info...
=====

Capturing /etc/broadhop...
Capturing Logs...
Capturing Policy Builder Data...
Capturing Diagnostics...
/opt/broadhop/installer/diag/diagnostics.ini: line 27: 27718: command not found
Capturing Installed Software Versions...
```