

与VSS密码恢复流程的Catalyst 4500 Series Switches

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Introduction

本文在虚拟交换系统(VSS)模式描述Cisco Catalyst 4500 Series switches的密码恢复流程该运行。

Prerequisites

Components Used

本文的信息根据Cisco Catalyst 4500 Series switches该运行Supervisor引擎7-E。

The information in this document was created from the devices in a specific lab environment.All of the devices used in this document started with a cleared (default) configuration.If your network is live, make sure that you understand the potential impact of any command.

背景信息

在运行VSS模式的Cisco Catalyst 4500 Series switches的密码恢复要求您转换交换机成独立模式，必须完成为了绕过启动配置。如果不转换交换机，您收到此错误信息：

```
***** CAUTION *****
*
* Switch is booting up in VSS mode but
* startup-config is being ignored. Autoboot is
* disabled and now dropping into ROMMON.
*
* Please configure the switch for not ignoring
* startup-config if it is needed to work in VSS Mode
*
* OR
* clear VS_SWITCH_NUMBER rommon variable to boot
* the switch in standalone mode.
*****
```

```
*Jul 29 12:25:59.403: %RF-5-RF_RELOAD: Self Reload.
Reason: Startup-config ignore not allowed in VSS mode
*Jul 29 12:25:59.568: %SYS-5-RELOAD:
Reload requested by Platform redundancy manager. Reload Reason:
Startup-config ignore not allowed in VSS mode.Please stand by while
```

按**Ctrl-C**，在重新加载为了中断在rommon后的每个机箱。清除VS_SWITCH_NUMBER rommon变量(rommon1>被移置的VS_SWITCH_NUMBER)为了引导交换机在独立模式。

密码恢复流程

在您转换交换机成独立模式后，您必须单个执行在两交换机的密码恢复。在本文描述的程序从交换机1在VSS模式下开始，并且必须为交换机2.重复。

为了执行在运行VSS模式的Cisco Catalyst 4500 Series switches的密码恢复，请完成这些步骤：

1. 如果备份以前，请保持从VSS的**running-config**方便在一个外部文件。此配置可以用于重新配置VSS，在密码恢复完成后(第10)步。
2. 通过禁用功率重新载入交换机对每个机箱，并且进入rommon：

<After each chassis is reloaded>

```
Restarting system.
```

```
Type control-C to prevent autobooting.
```

```
. .
```

```
Autoboot cancelled..... please wait!!!
```

```
rommon 1 > [interrupt]
```

```
rommon 1 >set
```

```
PS1=rommon ! >
```

```
RommonVer=15.0(1r)SG1
```

```
BOOT=bootflash:cat4500e-universalk9.SPA.03.04.00.SG.151-2.SG.bin,12;
```

```
ConfigReg=0x2102
```

```
DiagMonitorAction=Normal
```

```
BootedFileName=bootflash:cat4500e-universalk9.SPA.03.04.00.SG.151-2.SG.bin
```

```
VS_SWITCH_NUMBER=1
```

```
ConsecPostPassedCnt=7
```

```
RET_2_RTS=12:20:28 UTC Mon Jul 29 2013
```

```
RET_2_RCALTS=1375100428
```

```
rommon 2 >
```

3. 配置交换机为了忽略启动配置：

<After each chassis is reloaded>

```
Restarting system.
```

```
Type control-C to prevent autobooting.
```

```
. .
```

```
Autoboot cancelled..... please wait!!!
```

```
rommon 1 > [interrupt]
```

```
rommon 1 >set
```

```
PS1=rommon ! >
```

```
RommonVer=15.0(1r)SG1
```

```
BOOT=bootflash:cat4500e-universalk9.SPA.03.04.00.SG.151-2.SG.bin,12;
```

```
ConfigReg=0x2102
```

```
DiagMonitorAction=Normal
```

```
BootedFileName=bootflash:cat4500e-universalk9.SPA.03.04.00.SG.151-2.SG.bin
```

```
VS_SWITCH_NUMBER=1
```

```
ConsecPostPassedCnt=7
```

```
RET_2_RTS=12:20:28 UTC Mon Jul 29 2013
```

```
RET_2_RCALTS=1375100428
```

```
rommon 2 >
```

4. 验证更改**config-register**：

<After each chassis is reloaded>

Restarting system.

Type control-C to prevent autobooting.

. .

Autoboot cancelled..... please wait!!!

rommon 1 > [interrupt]

rommon 1 >set

PS1=rommon ! >

RommonVer=15.0(1r)SG1

BOOT=bootflash:cat4500e-universalk9.SPA.03.04.00.SG.151-2.SG.bin,12;

ConfigReg=0x2102

DiagMonitorAction=Normal

BootedFileName=bootflash:cat4500e-universalk9.SPA.03.04.00.SG.151-2.SG.bin

VS_SWITCH_NUMBER=1

ConsecPostPassedCnt=7

RET_2_RTS=12:20:28 UTC Mon Jul 29 2013

RET_2_RCALTS=1375100428

rommon 2 >

5. 输入清楚的swnum命令，清除虚拟交换机编号并且转换交换机成独立模式：

rommon 4 >clear swnum

rommon 5 >

rommon 5 >set

PS1=rommon ! >

RommonVer=15.0(1r)SG1

BOOT=bootflash:cat4500e-universalk9.SPA.03.04.00.SG.151-2.SG.bin,12;

DiagMonitorAction=Normal

BootedFileName=bootflash:cat4500e-universalk9.SPA.03.04.00.SG.151-2.SG.bin

BootStatus=Failure

ConsecPostPassedCnt=8

ConfigReg=0x2142

RET_2_RTS=12:25:59 UTC Mon Jul 29 2013

RET_2_RCALTS=1375100759

6. 引导有期望镜像的交换机。交换机忽略启动配置，并且创建空白配置：

rommon 4 >clear swnum

rommon 5 >

rommon 5 >set

PS1=rommon ! >

RommonVer=15.0(1r)SG1

BOOT=bootflash:cat4500e-universalk9.SPA.03.04.00.SG.151-2.SG.bin,12;

DiagMonitorAction=Normal

BootedFileName=bootflash:cat4500e-universalk9.SPA.03.04.00.SG.151-2.SG.bin

BootStatus=Failure

ConsecPostPassedCnt=8

ConfigReg=0x2142

RET_2_RTS=12:25:59 UTC Mon Jul 29 2013

RET_2_RCALTS=1375100759

按Enter为了开始。

7. 配置交换机和参数的一个新的密码为了转换交换机成VSS模式。更改config-register为了再避免配置的旁路：

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#username xxxx password xxxx

Switch(config)#enable secret xxxx

4k_vss(config)#config-register 0x2102

4k_vss(config)#

4k_vss(config)#switch virtual domain 100

4k_vss(config-vs-domain)#switch 1

```
4k_vss(config-vs-domain)#end
4k_vss#wr
Building configuration...
Compressed configuration from 2988 bytes to 1385 bytes
```

8. 再转换交换机成VSS模式：

```
4k_vss#switch convert mode virtual

***** CAUTION *****
* No VSL port is configured or all VSL ports *
* are put in shutdown state.                *
* This may cause Dual-Active mode of VSS.    *
*****
This command will convert all interface names
to naming convention "interface-type switch-number/slot/port",
save the running config to startup-config and
reload the switch.
Do you want to proceed? [yes/no]: yes
Converting interface names
Building configuration...
Compressed configuration from 3113 bytes to 1424 bytes[OK]
Saving converted configuration to bootflash: ...
Destination filename [startup-config.converted_vs-20130729-130331]?
Please stand by while rebooting the system...
```

9. 重复另一台交换机此程序，并且配置它加入VSS模式作为**交换机2**。 **Note:**关于如何配置交换机的更多信息在VSS模式下，请参考[Catalyst 4500 Series Switch软件配置指南](#)，[最近版本的IOS XE 3.4.0SG和IOS 15.1\(2\)SG的配置的VSS部分](#)。

10. 打开在文本编辑的step1保存的原始**running-config**，并且从配置删除旧密码。现在装载此修正的配置在交换机是安全的。这保证再没有重新配置老，丢失的密码。