

Nexus 7000/5000内部用户名，用于在记帐日志中显示的Nexus平台上执行命令

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简介

本文档介绍在vPC设置中Nexus交换机的日志中出现未定义的用户名的原因。

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档中的信息基于以下软件和硬件版本：

- Nexus 7000
- vPC设置中的[Nexus 5000](#)。

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。

背景信息

在Nexus 5000和Nexus 7000平台上运行NX-OS时，即使用户未明确定义这些用户名，也可以在记帐日志中观察到用户名，如“root”、“_emuser”、“svc-isan”和“admin”。这些用户名在交换机中预定

义，本文档说明在记帐日志中可以观察到上述用户名的条件。

用户名 解释和日志

此测试是在Nexus 5000交换机上执行的。

=====

在Nexus 5000上，当运行命令copy run start时，当对其执行配置保存(copy run start)时，用
下示例：

根

```
Tue May 6 05:25:28 2014:type=update:id=10.10.10.10@pts/0:user=admin:cmd=
Performing configuration copy.
Tue May 6 05:25:30 2014:type=start:id=vsh.20707:user=root:cmd=
Tue May 6 05:25:31 2014:type=stop:id=vsh.20707:user=root:cmd=
Tue May 6 05:25:35 2014:type=update:id=10.10.10.10@pts/0:user=admin:cmd=
copy running-config startup-config (SUCCESS)
```

此测试是在支持EEM (嵌入式事件管理器) 功能的Nexus 5000交换机上执行。

=====

当在Nexus 5000交换机上配置EEM脚本，并检测到端口关闭事件时，EEM脚本将进入接口配
的，特别针对交换矩阵扩展器(FEX)端口Ethernet 114/1/1)，并将其恢复。请参阅以下示例：

```
Nexus5K# sh run eem

!Command: show running-config eem
!Time: Sun Apr 27 04:56:04 2014

version 6.0(2)N2(4)
event manager applet test
event syslog pattern "ETHPORT-5-IF_DOWN_NONE"
action 1.0 cli enable
action 2.0 cli conf t
action 3.0 cli interface ether 114/1/1
action 4.0 cli no shut
action 5.0 cli end
```

__eemuser

使用用户名“admin1”登录Nexus 5000，该用户名在本地配置。请参阅此登录会话示例：

```
Nexus1# show users
NAME      LINE      TIME          IDLE          PID COMMENT
admin1    pts/2     Apr 27 04:31  .             31579 (10.137.76.223) *
```

手动关闭连接到Nexus 5000的其中一个FEX模块上的端口E114/1/1。端口在此日志中退回：

```
2014 Apr 27 04:56:26 N5K-C5548UP %ETHPORT-5-IF_DOWN_NONE:
Interface Ethernet114/1/32 is down (Transceiver Absent)
2014 Apr 27 04:56:27 N5K-C5548UP %ETHPORT-5-IF_ADMIN_UP:
Interface Ethernet114/1/32 is admin up.
```

在记帐日志中，用户“eem_user”帐户在“admin1”用户手动关闭端口后未执行关闭。请参阅以下

```

Sun Apr 27 04:56:25 2014:type=update:id=10.10.10.10@pts/2:user=admin1:
cmd=configure terminal ; interface Ethernet114/1/1 (SUCCESS)
Sun Apr 27 04:56:25 2014:type=update:id=10.10.10.10@pts/2:user=admin1:
cmd=configure terminal ; interface Ethernet114/1/1 ; shutdown (REDIRECT)
Sun Apr 27 04:56:26 2014:type=update:id=10.10.10.10@pts/2:user=admin1:
cmd=configure terminal ; interface Ethernet114/1/1 ; shutdown (SUCCESS)
Sun Apr 27 04:56:26 2014:type=start:id=vsh.32539:user=__eemuser:cmd=
Sun Apr 27 04:56:27 2014:type=update:id=vsh.32539:user=__eemuser:cmd=configure
terminal ; interface Ethernet114/1/1 (SUCCESS)
Sun Apr 27 04:56:27 2014:type=update:id=vsh.32539:user=__eemuser:cmd=configure
terminal ; interface Ethernet114/1/1 ; no shutdown (REDIRECT)
Sun Apr 27 04:56:27 2014:type=update:id=vsh.32539:user=__eemuser:cmd=configure
terminal ; interface Ethernet114/1/1 ; no shutdown (SUCCESS)

```

从上述时间戳和触发EEM脚本时，用户“eem_user”会记录“no shut”的操作。此测试是在Nexus 7000上执行的。

=====

当在Nexus 7000上配置EEM脚本并检测到端口管理关闭事件时，EEM脚本将进入接口配置模式(101/1/10专用于测试目的)，并将其恢复。请参阅以下示例：

```

event manager applet TEST
event syslog pattern ".*ETHPORT-5-IF_DOWN_ADMIN_DOWN.*"
action 1.0 cli enable
action 2.0 cli conf t
action 3.0 cli int e101/1/10
action 4.0 cli no shut
action 5.0 cli end
action 6.0 syslog msg INTERFACE CHANGED TO ADMIN NO SHUT
\ action 7.0 syslog priority critical msg INTERFACE HAS BEEN CHANGED TO ADMIN UP

```

如果E101/1/10关闭，EEM脚本将触发且不关闭端口。在日志中，观察到以下消息：

svc-isan

```

2014 Mar 12 07:12:37 Nexus_7000 %ETHPORT-5-IF_DOWN_ADMIN_DOWN:
Interface Ethernet101/1/10 is down (Administratively down)
2014 Mar 12 07:12:38 Nexus_7000 %ETHPORT-5-IF_ADMIN_UP:
Interface Ethernet101/1/10 is admin up .
2014 Mar 12 07:12:38 Nexus_7000 %VSHD-5-VSHD_SYSLOG_CONFIG_I:
Configured from vty by admin on vsh.23673
2014 Mar 12 07:12:38 Nexus_7000 %EEM_ACTION-2-CRIT:
INTERFACE HAS BEEN CHANGED TO ADMIN UP

```

在记帐日志中，您会看到，关闭操作由admin执行，该帐户已用于登录Nexus 7000。您会看到已记录为svc-isan。请参阅Nexus 7000的此记帐日志：

```

Wed Mar 12 07:12:37 2014:type=update:id=10.10.10.10@pts/0:user=admin:
cmd=switchto ; configure terminal ; interface Ethernet101/1/10 ;
shutdown (REDIRECT)
Wed Mar 12 07:12:37 2014:type=update:id=10.10.10.10@pts/0:user=admin:
cmd=switchto ; configure terminal ; interface Ethernet101/1/10 ;

```

```

shutdown (SUCCESS)
Wed Mar 12 07:12:38 2014:type=start:id=vsh.23673:user=svc-isan:cmd=
Wed Mar 12 07:12:38 2014:type=update:id=vsh.23673:user=svc-isan:
cmd=configure terminal ; interface Ethernet101/1/10 (SUCCESS)
Wed Mar 12 07:12:38 2014:type=update:id=vsh.23673:user=svc-isan:
cmd=configure terminal ; interface Ethernet101/1/10 ;
no shutdown (REDIRECT)
Wed Mar 12 07:12:38 2014:type=update:id=vsh.23673:user=svc-isan:
cmd=configure terminal ; interface Ethernet101/1/10 ;
no shutdown (SUCCESS)
Wed Mar 12 07:12:38 2014:type=update:id=vsh.23673:user=svc-isan:
cmd=syslog msg INTERFACE CHANGED TO ADMIN NO SHUT (SUCCESS)
Wed Mar 12 07:12:38 2014:type=update:id=vsh.23673:user=svc-isan:
cmd=syslog priority critical msg INTERFACE HAS BEEN CHANGED TO
ADMIN UP (SUCCESS)

```

此测试是在一对Nexus 5000上使用config-sync执行的。

=====

在一对Nexus 5000上配置同步的预配置可在以下位置找到：[配置同步操作](#)。

此配置用于交换机配置文件：

```
N5K1(config-sync-sp-if)# sh switch-profile buffer
```

```
switch-profile : Test
```

```
-----
Seq-no  Command
-----
```

```

2      interface Ethernet1/8
2.1    switchport
2.2    switchport mode trunk
2.3    switchport trunk allowed vlan 1-100
2.4    shutdown

```

admin

提交更改并将其推送到对等交换机。然后确认它已成功应用：

```

N5K1(config-sync-sp-if)# commit
Verification successful...
Proceeding to apply configuration. This might take a while depending on
amount of configuration in buffer.
Please avoid other configuration changes during this time.
Commit Successful

```

现在，检查N5K1上的记帐日志“test_user”，该日志是登录N5K1的用户名，其中记录了配置更

```

Thu Mar 6 08:19:22 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface
Ethernet1/8 (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface
Ethernet1/8 (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):

```

```

user=test_user:cmd= configure terminal ; interface Ethernet1/8 ;
switchport (REDIRECT)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8 ;
switchport (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8 ;
switchport (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8
(SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8 ;
switchport mode trunk (REDIRECT)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8 ;
switchport mode trunk (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8
(SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742(sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8 ;
switchport trunk allowed vlan 1-100 (REDIRECT)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8 ;
switchport trunk allowed vlan 1-100 (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8
(SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8 ;
shutdown (REDIRECT)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.23742 (sp-commit):
user=test_user:cmd= configure terminal ; interface Ethernet1/8 ;
shutdown (SUCCESS)
Thu Mar 6 08:19:23 2014:type=stop:id=ppm.23742:user=test_user:
cmd=Thu Mar 6 08:19:23 2014:type=update:id=10.10.10.10@pts/1:
user=test_user:cmd= configure sync ; switch-profile Test ;
commit (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=10.10.10.10@pts/1:
user=test_user:cmd= configure sync ; commit (SUCCESS)

```

请参阅此对等Nexus 5000交换机，该交换机将配置更改从N5K1推送。记帐日志报告的时间戳行相同的配置更改：

```

Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8
(SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8
(SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit)
:user=admin:cmd= configure terminal ; interface Ethernet1/8 ;
switchport (REDIRECT)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8 ;
switchport (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8 ;
switchport (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):

```

```
user=admin:cmd= configure terminal ; interface Ethernet1/8
(SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8 ;
switchport mode trunk (REDIRECT)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8 ;
switchport mode trunk (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8
(SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8 ;
switchport trunk allowed vlan 1-100 (REDIRECT)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8 ;
switchport trunk allowed vlan 1-100 (SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8
(SUCCESS)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8 ;
shutdown (REDIRECT)
Thu Mar 6 08:19:23 2014:type=update:id=ppm.21880 (sp-commit):
user=admin:cmd= configure terminal ; interface Ethernet1/8 ;
shutdown (SUCCESS)
```