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# ãfçãf¹¼ãf%ã™ã, Cisco Nexus 9000 ã,·ãfªãf¹¼ã,°ã,¹ã,ªãffãfã® Fibre Channel over Ethernet NPV

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ã,çãf%ãfã,ªã,¶ãfªãf¹¼ID : cisco-sa-20190306-nxos-npv-dos  
ã^ã...-é-æ—¥ : 2019-03-06 16:00  
ãfãf¹¼ã,ãfãf³ 1.0 : Final  
CVSSã,¹ã,³ã,ç : 7.4  
ã>žéç- : No workarounds available  
Cisco ãfã,° ID : [CSCvk44504](#)

[CVE-2019-1617](#)

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Cisco NX-OS ã,½ãfãf^ã,lä,šã,çã® Fibre Channel over Etherneti¼^FCoEi¼%oN  
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<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20190306-nxos-npv-dos>

ã"ã®ã,çãf%ãfã,ªã,¶ãfªã-ã€2019 ã¹ 3  
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[Cisco Event Response: March 2019 Cisco FXOS and NX-OS Software Security Advisory Bundled](#)

[Publication](#)ã€ã,ã,ç...šã—ã|ãããããã,ã€,,ã€,

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æœ-è,,†ã¼±æ€šã-ã€Cisco NX-OS

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- ã,¹ã,çãfãf%ãã,çãfãf³ NX-OSãfçãf¼ãf%ã® Nexus 9000ã,ãfãf¼ã,ºã,¹ã,ãffãf

è,,†ã¼±æ€šã€ã~ãœ”ã™ã,ã®ã-ã€æ¬ã® Nexus 9000ã,ãfãf¼ã,ºã® PID

ã®ãçãšã™ã€,

- N9K-C92160YC-X
- N9K-C9272Q
- N9K-C9236C
- N9K-C93180YC-EX
- N9K-X9732C-EX
- N9K-C93180LC-EX
- N9K-C93180YC-FX
- N9K-X9736C-FX

ã,ã,¹ãfãfãã® PIDã,è:”çœã™ã,ã«ã-ã€show inventory CLI

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<#root>

9K-A# show inventory

NAME: "Chassis", DESCR: "Nexus9000 C93128TX Chassis"

PID:

**N9K-C93128TX**

, VID: V02 , SN: SAL1822TF13

NAME: "Slot 1", DESCR: "1/10G-T Ethernet Module"

PID: N9K-C93128TX , VID: V02 , SN: SAL1822TF13

NAME: "Slot 2", DESCR: "40G Ethernet Expansion Module"

PID: N9K-M12PQ , VID: V01 , SN: SAL1910AMHD

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- è²â½"ãf†ãfã,ã,¹ã vPC ãf"ã,ç  
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- fcoe-npv æ©ÿèf½ã, 'ã,çãf³ã,ããf³ã,¹ãf^ãf¼ãf«ã™ã,ã€,

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### Cisco NX-OS ã,½ãfãf^ã,|ã,šã,çãfãfãf¼ã,¹ã@ã^ãã^¥

ç@;ç†è€...ã-ã€ããf†ãfã,ã,¹ã@ CLI ã§ show version

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Cisco NX-OS

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Cisco NX-OS ã,½ãfãf^ã,|ã,šã,çãfãfãf¼ã,¹ 7.0(3)I5(1)

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```

nxos-switch# show version
Cisco Nexus Operating System (NX-OS) Software
TAC support: http://www.cisco.com/tac
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Lesser General Public License (LGPL) Version 2.0.
A copy of each such license is available at
http://www.opensource.org/licenses/gpl-2.0.php and
http://opensource.org/licenses/gpl-3.0.html and
http://www.opensource.org/licenses/lgpl-2.1.php and
http://www.gnu.org/licenses/old-licenses/library.txt.
Software
  BIOS: version 07.57
  NXOS: version 7.0(3)I5(1) [build 7.0(3)I5(0.9)]
  BIOS compile time: 06/29/2016
  NXOS image file is: bootflash:///nxos.7.0.3.I5.0.9.bin
  NXOS compile time: 8/1/2016 23:00:00 [08/02/2016 00:30:32]
  .
  .
  .

```



Legend:

(\*) - local vPC is down, forwarding via vPC peer-link

vPC domain id : 10  
Peer status :

peer adjacency formed ok

vPC keep-alive status :

peer is alive

Configuration consistency status : success  
Per-vlan consistency status : success  
Type-2 inconsistency reason : Consistency Check Not Performed  
vPC role : primary  
Number of vPCs configured : 1  
Peer Gateway : Enabled  
Dual-active excluded VLANs : -  
Graceful Consistency Check : Enabled  
Auto-recovery status : Disabled  
Delay-restore status : Timer is off.(timeout = 30s)  
Delay-restore SVI status : Timer is off.(timeout = 10s)

vPC Peer-link status

```
-----
```

id	Port	Status	Active vlans
1	Po1	up	1

```
-----
```

vPC status

```
-----
```

id	Port	Status	Consistency	Reason	Active vlans
10	Po10	up	success	success	1

```
-----
```

fc0e-npv æ©ÿèf½ã®ã,1ãftãf¼ã,ã,ã,1ã,çç°èªã™ã,ã«ã-ã€show feature-set CLI  
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<#root>

9K-A# show feature-set

Feature Set Name	ID	State
fex	3	uninstalled
mpls	4	uninstalled
fabric	7	uninstalled

fc0e-npv

uninstalled

# ã,»ã,ãfYãfãf†ã,£ä¾µ®³ã®ç—•è•j

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[Nexus 9000 ã,ãfãf¼ã,°ã,1ã,ããffãfãã®vPC](#)

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[Tx](#)

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**interface counter table** CLIã,³ãfžãf³ãf%ãã,'ã½¿ç"ã—ã¾ã™i¼^egrep -v "0.0 0.0% 0.0

0.0%"ã€Rxãšã,ã³Txã^—ã®çµ±è^æf...ã±ããã,¼ãfãã®ã,ããf³ã,ãf¼ãf•ã,šã,ãã,1ã€™ãã

```
9K-A# sh int counter table | egrep -v "0.0 0.0% 0.0 0.0%"
```

Collecting and processing interface statistics ...

Port	Description	Intvl	Rx Mbps	Rx %	Tx Mbps	Tx %
Ethernet1/49	vPC_Peer_Link	30/30	36078.7	90.2%	36078.7	90.2%
Ethernet1/50/1	N/A	30/30	2.5	0.0%	9019.6	90.2%
Ethernet1/50/2	N/A	30/30	0.0	0.0%	9019.6	90.2%
port-channel36	N/A	30/30	2.5	0.0%	9019.6	90.2%
port-channel100	vPC_Peer_Link	30/30	36078.7	90.2%	36078.7	90.2%

```
9K-B# sh int counter table | egrep -v "0.0 0.0% 0.0 0.0%"
```

Collecting and processing interface statistics ...

Port	Description	Intvl	Rx Mbps	Rx %	Tx Mbps	Tx %
Ethernet1/49	vPC_Peer_Link	30/30	36078.3	90.2%	36078.3	90.2%
Ethernet1/50/1	N/A	30/30	0.0	0.0%	9019.6	90.2%
port-channel36	N/A	30/30	0.0	0.0%	9019.6	90.2%
port-channel100	vPC_Peer_Link	30/30	36078.3	90.2%	36078.3	90.2%

9K-A# sh int counter errors non-zero

interface counter errors non-zero CLI

9K-A# sh int counter errors non-zero

Port	Align-Err	FCS-Err	Xmit-Err	Rcv-Err	UnderSize	OutDiscards
Eth1/49	0	0	0	0	0	426242
Eth1/50/1	0	0	0	0	0	9916163951
Eth1/50/2	0	0	0	0	0	9934560747
Po36	0	0	0	0	0	9916163951
Po100	0	0	0	0	0	426242

9K-B# sh int counter errors non-zero

Port	Align-Err	FCS-Err	Xmit-Err	Rcv-Err	UnderSize	OutDiscards
Eth1/50/1	0	0	0	0	0	9915689573
Po36	0	0	0	0	0	9915689573

TAC

<https://www.cisco.com/c/en/us/support/web/tsd-cisco-worldwide-contacts.html>

## End User License Agreement

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 BIOS ã, çãffãf—ã, °ãf-ãf¼ãf%ã™ã “ã€èè²ã½“è£½ã”ã® ID ã Šã, ^ã³ BIOS  
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- Nexus 3000 ã, ·ãfãf¼ã, °ã, 1ã, ããffãf
- ACI ãfçãf¼ãf%ã® Nexus 9000 ã, ·ãfãf¼ã, °ãf·ã, ãf-ãfãffã, ¯ã, 1ã, ããffãf
- ã, 1ã, çãfãf%ã, çããf³ NX-OS ãfçãf¼ãf%ã® Nexus 9000 ã, ·ãfãf¼ã, °ã, 1ã, ããffãf
- Nexus 9500 R ã, ·ãfãf¼ã, °ãfã, ããfãã, «ãf¼ãf%ã Šã, ^ã³ãf·ã, ãf-ãfãffã, ¯ãfçã, ãfãf¼ãf«

**ã, 1ã, çãfãf%ã, çããf³ NX-OS ãfçãf¼ãf%ã® Nexus  
 9000ã, ·ãfãf¼ã, °ã, 1ã, ããffãf i¼š CSCvk44504**

Cisco NX-OS ã, ½ãf·ãf^ã, 1ã, šã, çããfãfãf¼ã, 1	ã “ã®è, †ã¼±æ£šã «ã¾ã™ã, <æœ€ã^ã®ã¿æ£ãfãfãfãf
7.0(3)I4 ã, ^ã, Šã, ,ã%ã	è, †ã¼±æ£šãã—
7.0(3)I4	è, †ã¼±æ£šãã—
7.0(3)I5	7.0(3)I7(5)
7.0(3)I6	7.0(3)I7(5)
7.0(3)I7	7.0(3)I7(5)
9.2	9.2(2)

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Cisco Nexus ã, 1ã, ããffãfãã «æœ€é©ãª Cisco NX-OS ã, ½ãf·ãf^ã, |ã, šã, çã  
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- [Cisco MDS ã, ·ãfãf¼ã, °ã, 1ã, ããffãf](#)
- [VMware ã'ã' Cisco Nexus 1000V ã, 1ã, ããffãf](#)
- [Cisco Nexus 3000 ã, ·ãfãf¼ã, °ã Šã, ^ã³ 3500 ã, ·ãfãf¼ã, °ã, 1ã, ããffãf](#)
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Cisco UCS ã «æœ€é©ãªª Cisco NX-OS ã, ½ãf·ãf^ã, |ã, šã, çã  
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Cisco Product Security Incident Response

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### URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20190306-nxos-npv-dos>

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