



スイッチの管理

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取り付けたハードウェア モジュールに関する情報の表示

show hardware コマンドを使用すれば、スitchに取り付けたスitch ハードウェアおよびハードウェア モジュールに関する情報を表示できます。

```
ASW4_QP_LEM# show hardwareCisco Nexus Operating System (NX-OS) Software
TAC support: http://www.cisco.com/tac
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http://www.gnu.org/licenses/old-licenses/library.txt.
```

```
Software
  BIOS: version 01.09
  NXOS: version 10.3(2) [Feature Release]
  Host NXOS: version 10.3(2)
  BIOS compile time: 09/28/2022
  NXOS image file is: bootflash:///nxos64-cs.10.3.2.F.bin_24
  NXOS compile time: 11/30/2022 12:00:00 [12/16/2022 04:02:06]
  NXOS boot mode: LXC
```

```
Hardware
  cisco Nexus9000 C9408 Chassis
  Intel(R) Xeon(R) CPU D-1633N @ 2.50GHz with 32801260 kB of memory.
  Processor Board ID FDO262208WX
  Device name: ASW4_QP_LEM
  bootflash: 115343360 kB

Kernel uptime is 2 day(s), 22 hour(s), 9 minute(s), 16 second(s)

Last reset at 282926 usecs after 1671239402
  Reason: Reset Requested by CLI command reload
  System version: 10.3(2)
  Service:

plugin
  Core Plugin, Ethernet Plugin
-----
Switch hardware ID information
-----

Switch is booted up
  Switch type is : Nexus9000 C9408 Chassis
  Model number is N9K-C9408
  H/W version is 0.1
  Part Number is 73-102375-03
  Part Revision is 03
  Manufacture Date is Year 2022 Week 21
  Serial number is FDO262100LC
  CLEI code is 0

-----
Chassis has 8 Module slots
-----
Module1 ok
  Module type is : "Supervisor"
  0 submodules are present
  Model number is
  H/W version is 0.0
  Part Number is
  Part Revision is
  Manufacture Date is Year 1996 Week 0
  Serial number is
  CLEI code is

LEM-Module1 empty

LEM-Module2 ok
  LEM-Module type is : 8x400G Ethernet Module
  0 submodules are present
  Model number is N9K-X9400-8D
  H/W version is 0.3
  Part Number is 73-102376-03
  Part Revision is 07
  Manufacture Date is Year 2022 Week 22
  Serial number is FDO26221BA7
  CLEI code is 0

LEM-Module3 ok
  LEM-Module type is : 16x200G Ethernet Module
  0 submodules are present
  Model number is N9K-X9400-16W
  H/W version is 0.3
  Part Number is 73-102377-03
```

```
Part Revision is 07
Manufacture Date is Year 2022 Week 22
Serial number is FDO262213VA
CLEI code is 0

LEM-Module4 empty

LEM-Module5 ok
LEM-Module type is : 8x400G Ethernet Module
0 submodules are present
Model number is N9K-X9400-8D
H/W version is 0.3
Part Number is 73-102376-03
Part Revision is 07
Manufacture Date is Year 2022 Week 22
Serial number is FDO26221BAK
CLEI code is 0

LEM-Module6 empty

LEM-Module7 ok
LEM-Module type is : 16x200G Ethernet Module
0 submodules are present
Model number is N9K-X9400-16W
H/W version is 0.3
Part Number is 73-102377-03
Part Revision is 07
Manufacture Date is Year 2022 Week 22
Serial number is FDO262213VQ
CLEI code is 0

LEM-Module8 empty

-----
Chassis has 4 PowerSupply Slots
-----

PS1 fail/shutdown
Power supply type is: 2000.00W 220v AC
Model number is NXA-PAC-2KW-PI
H/W version is 0
Part Number is 341-1888-01
Part Revision is A0
Manufacture Date is Year 2021 Week 47
Serial number is POG2547JACK
CLEI code is CMUPAFGCAA

PS2 fail/shutdown
Power supply type is: 2000.00W 220v AC
Model number is NXA-PAC-2KW-PI
H/W version is 0
Part Number is 341-1888-01
Part Revision is A0
Manufacture Date is Year 2021 Week 47
Serial number is POG2547JA1Q
CLEI code is CMUPAFGCAA

PS3 fail/shutdown
Power supply type is: 2000.00W 220v AC
Model number is NXA-PAC-2KW-PI
H/W version is 0
Part Number is 341-1888-01
Part Revision is A0
Manufacture Date is Year 2021 Week 47
```

```

Serial number is POG2547JAH6
CLEI code is CMUPAFGCAA

PS4 ok
Power supply type is: 2000.00W 220v AC
Model number is NXA-PAC-2KW-PI
H/W version is 0
Part Number is 341-1888-01
Part Revision is A0
Manufacture Date is Year 2021 Week 47
Serial number is POG2547JA20
CLEI code is CMUPAFGCAA

-----
Chassis has 5 Fan slots
-----

Fan1 ok

Fan2 ok

Fan3 ok

Fan4 ok

Fan5 ok

ASW4_QP_LEM#

```

スイッチのハードウェアインベントリの表示

show inventory コマンドを使用して、スイッチに取り付けられている現場交換可能ユニット (FRU) に関する情報を表示できます。

```

ASW4_QP_LEM# show inventory
NAME: "Chassis", DESCR: "Nexus9000 C9408 Chassis"
PID: N9K-C9408 , VID: V00 , SN: FDO262100LC

NAME: "Switch Card", DESCR: "Switch Card"
PID: N9K-C9400-SW-GX2A , VID: V00 , SN: FDO262200E1

NAME: "Slot 1", DESCR: "Supervisor"
PID: N9K-C9400-SUP-A , VID: V00 , SN: FDO262208WX

NAME: "Slot 27", DESCR: "Supervisor"
PID: N9K-C9400-SUP-A , VID: V00 , SN: FDO262208WX

NAME: "LEM 2", DESCR: "8x400G Ethernet Module"
PID: N9K-X9400-8D , VID: V00 , SN: FDO26221BA7

NAME: "LEM 3", DESCR: "16x200G Ethernet Module"
PID: N9K-X9400-16W , VID: V00 , SN: FDO262213VA

NAME: "LEM 5", DESCR: "8x400G Ethernet Module"
PID: N9K-X9400-8D , VID: V00 , SN: FDO26221BAK

NAME: "LEM 7", DESCR: "16x200G Ethernet Module"
PID: N9K-X9400-16W , VID: V00 , SN: FDO262213VQ

NAME: "Power Supply 1", DESCR: "Nexus9000 C9408 Chassis Power Supply"
PID: NXA-PAC-2KW-PI , VID: V01 , SN: POG2547JACK

```

```

NAME: "Power Supply 2", DESCR: "Nexus9000 C9408 Chassis Power Supply"
PID: NXA-PAC-2KW-PI      , VID: V01 , SN: POG2547JA1Q

NAME: "Power Supply 3", DESCR: "Nexus9000 C9408 Chassis Power Supply"
PID: NXA-PAC-2KW-PI      , VID: V01 , SN: POG2547JAH6

NAME: "Power Supply 4", DESCR: "Nexus9000 C9408 Chassis Power Supply"
PID: NXA-PAC-2KW-PI      , VID: V01 , SN: POG2547JA20

NAME: "Fan 1", DESCR: "Nexus9000 C9408 Chassis Fan Module"
PID: N9K-C9400-FAN-PI    , VID: V01 , SN: N/A

NAME: "Fan 2", DESCR: "Nexus9000 C9408 Chassis Fan Module"
PID: N9K-C9400-FAN-PI    , VID: V01 , SN: N/A

NAME: "Fan 3", DESCR: "Nexus9000 C9408 Chassis Fan Module"
PID: N9K-C9400-FAN-PI    , VID: V01 , SN: N/A

NAME: "Fan 4", DESCR: "Nexus9000 C9408 Chassis Fan Module"
PID: N9K-C9400-FAN-PI    , VID: V01 , SN: N/A

NAME: "Fan 5", DESCR: "Nexus9000 C9408 Chassis Fan Module"
PID: N9K-C9400-FAN-PI    , VID: V01 , SN: N/A

ASW4_QP_LEM#
    
```

スイッチのモジュールの表示

show module コマンドを使用して、スイッチに取り付けたモジュールに関する情報を表示できます。

```

switch# show module
Mod Ports      Module-Type          Model                Status
-----
1      0      Supervisor          N9K-C9408-SUP-A     active *
27     0      Virtual Supervisor  N9K-C9400-SUP-A     active *

Mod Sw          Hw      Slot
-----
1      10.3(2)      0.4     LC1
27     10.3(2)      0.4     SUP1

Mod  MAC-Address(es)                Serial-Num
---  -
1    60-26-aa-48-c8-40 to 60-26-aa-48-c8-7f  FDO262208WX
27   60-26-aa-48-c8-40 to 60-26-aa-48-c8-7f  FDO262208WX

Mod  Online Diag Status
---  -
1    Pass
27   Pass

* this terminal session
Lem Ports      Module-Type          Model                Status
-----
1      16     16x200G Ethernet  N9K-X9400-8D        ok
2      8      8x400G Ethernet   N9K-X9400-8D        ok
4      8      8x400G Ethernet   N9K-X9400-16W       ok
    
```

```

Mod  Sw                Hw      Slot
---  -
1    NA                0.1010 LC1
2    NA                0.1010 LC2
4    NA                0.1010 LC4

Lem  MAC-Address(es)          Serial-Num
---  -
1    0c-75-bd-37-2c-fe to 0c-75-bd-37-2d-1d  FOC223620GT
2    0c-75-bd-37-2d-1e to 0c-75-bd-37-2d-3d  FOC224291Q8
4    0c-75-bd-37-2d-5e to 0c-75-bd-37-2d-7d  FOC224291TA

Lem  Online Diag Status
---  -
1    Pass
2    Pass
4    Pass
switch#

```

スイッチのシリアル PROM (SPROM) の表示

show sprom コマンドを使用して、スイッチの SPROM に関する情報を表示できます。

```

switch# show sprom backplane 1
DISPLAY backplane sprom contents:
Common block:
  Block Signature : 0xABAB
  Block Version   : 3
  Block Length    : 160
  Block Checksum  : 0x168E
  EEPROM Size     : 65535
  Block Count     : 3
  FRU Major Type  : 0x6002
  FRU Minor Type  : 0x0
  OEM String      : Cisco Systems, Inc
  Product Number  : N9K-C9408
  Serial Number   : FOC23086N6A
  Part Number     : 73-19248-01
  Part Revision   : 1
  Mfg Deviation   : 0
  H/W Version     : 0.0
  Mfg Bits        : 0
  Engineer Use    : 0
  snmpOID         : 9.12.3.1.3.1824.0.0
  Power Consump   : -6200
  RMA Code        : 0-0-0-0
  CLEI Code       : 12345678
  VID             : V01
Chassis specific block:
  Block Signature : 0x6001
  Block Version   : 3
  Block Length    : 39
  Block Checksum  : 0x419
  Feature Bits    : 0x0
  HW Changes Bits : 0x0
  Stackmib OID    : 0
  MAC Addresses   : 00-00-ab-cd-dc-ba
  Number of MACs : 128

```



```

switch# show environment
Fan:
-----
Fan          Model          Hw    Direction    Status
-----
Fan1(sys_fan1)  N9K-C9400-FAN-PI  --    front-to-back  Ok
Fan2(sys_fan2)  N9K-C9400-FAN-PI  --    front-to-back  Ok
Fan3(sys_fan3)  N9K-C9400-FAN-PI  --    front-to-back  Ok
Fan4(sys_fan4)  N9K-C9400-FAN-PI  --    front-to-back  Ok
Fan5(sys_fan5)  N9K-C9400-FAN-PI  --    front-to-back  Ok
Fan_in_PS1     --              --    front-to-back  Ok
Fan_in_PS2     --              --    front-to-back  Ok
Fan_in_PS3     --              --    front-to-back  Ok
Fan_in_PS4     --              --    front-to-back  Ok
Fan Zone Speed: Zone 1: 0x72
Fan Air Filter : NotSupported

Power Supply:
Voltage: 12 Volts
Power          Actual          Actual          Total
Supply        Model          Output          Input          Capacity        Status
              (Watts )      (Watts )      (Watts )
-----
1            NXA-PAC-2KW-PI    507 W          552 W          2000 W          Ok
2            NXA-PAC-2KW-PI    555 W          603 W          2000 W          Ok
3            NXA-PAC-2KW-PI    506 W          552 W          2000 W          Ok
4            NXA-PAC-2KW-PI    507 W          552 W          2000 W          Ok

Power Usage Summary:
-----
Power Supply redundancy mode (configured)      PS-Redundant
Power Supply redundancy mode (operational)     PS-Redundant

Total Power Capacity (based on configured mode)      6000.00 W
Total Grid-A (first half of PS slots) Power Capacity 4000.00 W
Total Grid-B (second half of PS slots) Power Capacity 4000.00 W
Total Power of all Inputs (cumulative)              8000.00 W
Total Power Output (actual draw)                    2075.00 W
Total Power Input (actual draw)                     2259.00 W
Total Power Allocated (budget)                      N/A
Total Power Available for additional modules         N/A

Temperature:
-----
Module  Sensor          MajorThresh  MinorThres  CurTemp  Status
              (Celsius)      (Celsius)    (Celsius)
-----
1       FRONT          55           35          35       Ok
1       BACK           80           70          36       Ok
1       CPU            90           80          55       Ok
1       Quadpeaks     125          100         81       Ok
ASW4_QP_LEM#

```

スイッチの環境温度の表示

show environment temperature コマンドを使用して、スイッチの環境に関する詳細を表示できます。


```
ASW4_QP_LEM# show environment temperature
```

```
show environment temperature
```

```
Temperature:
```

```
-----  
Module   Sensor           MajorThresh   MinorThres   CurTemp      Status  
          (Celsius)       (Celsius)    (Celsius)  
-----  
1        FRONT           55            35           35           Ok  
1        BACK            80            70           36           Ok  
1        CPU             90            80           49           Ok  
1        Quadpeaks     125           100          81           Ok  
ASW4_QP_LEM#
```


翻訳について

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