



スイッチの管理

- 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 (1 ページ)
- スwitchのハードウェア インベントリの表示 (4 ページ)
- スwitchのモジュールの表示 (5 ページ)
- スwitchのシリアル PROM (SPROM) の表示 (6 ページ)
- スwitchの環境情報の表示 (7 ページ)
- スwitchの環境温度の表示 (8 ページ)

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
Copyright (C) 2002-2022, Cisco and/or its affiliates.
All rights reserved.
The copyrights to certain works contained in this software are
owned by other third parties and used and distributed under their own
licenses, such as open source. This software is provided "as is," and unless
otherwise stated, there is no warranty, express or implied, including but not
limited to warranties of merchantability and fitness for a particular purpose.
Certain components of this software are licensed under
the GNU General Public License (GPL) version 2.0 or
GNU General Public License (GPL) version 3.0 or the GNU
Lesser General Public License (LGPL) Version 2.1 or
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 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 Module 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 Module N9K-X9400-8D        ok
2      8       8x400G Ethernet Module N9K-X9400-8D        ok
4      8       8x400G Ethernet Module 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

このドキュメントは、米国シスコ発行ドキュメントの参考和訳です。リンク情報につきましては、日本語版掲載時点で、英語版にアップデートがあり、リンク先のページが移動/変更されている場合がありますことをご了承ください。あくまでも参考和訳となりますので、正式な内容については米国サイトのドキュメントを参照ください。