

```
#sh run
```

```
Building configuration...
```

```
Current configuration : 9167 bytes
```

```
!
```

```
! Last configuration change at 16:59:15 UTC Wed Feb 16 2000 by admin
```

```
!
```

```
version 16.12
```

```
no service pad
```

```
service timestamps debug datetime msec
```

```
service timestamps log datetime msec
```

```
service password-encryption
```

```
service call-home
```

```
no platform punt-keepalive disable-kernel-core
```

```
no platform punt-keepalive settings
```

```
no platform bridge-security all
```

```
!
```

```
hostname SW1
```

```
!
```

```
!
```

```
no aaa new-model
```

```
ptp mode e2transparent
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
ip arp entry learn 1000
```

```
no ip domain lookup
```

```
ip domain name
```

```
!
```

!

!

login on-success log

call-home

! If contact email address in call-home is configured as sch-smart-licensing@cisco.com

! the email address configured in Cisco Smart License Portal will be used as contact email address to send SCH notifications.

contact-email-addr sch-smart-licensing@cisco.com

profile "CiscoTAC-1"

active

destination transport-method http

no destination transport-method email

no device-tracking logging theft

!

crypto pki trustpoint SLA-TrustPoint

enrollment pkcs12

revocation-check crl

!

crypto pki trustpoint TP-self-signed-2661602703

enrollment selfsigned

subject-name cn=IOS-Self-Signed-Certificate-2661602703

revocation-check none

rsakeypair TP-self-signed-2661602703

!

!

crypto pki certificate chain SLA-TrustPoint

certificate ca 01

30820321 30820209 A0030201 02020101 300D0609 2A864886 F70D0101 0B050030

32310E30 0C060355 040A1305 43697363 6F312030 1E060355 04031317 43697363

6F204C69 63656E73 696E6720 526F6F74 20434130 1E170D31 33303533 30313934

3834375A 170D3338 30353330 31393438 34375A30 32310E30 0C060355 040A1305

43697363 6F312030 1E060355 04031317 43697363 6F204C69 63656E73 696E6720  
526F6F74 20434130 82012230 0D06092A 864886F7 0D010101 05000382 010F0030  
82010A02 82010100 A6BCBD96 131E05F7 145EA72C 2CD686E6 17222EA1 F1EFF64D  
CBB4C798 212AA147 C655D8D7 9471380D 8711441E 1AAF071A 9CAE6388 8A38E520  
1C394D78 462EF239 C659F715 B98C0A59 5BBB5CBD 0CFEBEA3 700A8BF7 D8F256EE  
4AA4E80D DB6FD1C9 60B1FD18 FFC69C96 6FA68957 A2617DE7 104FDC5F EA2956AC  
7390A3EB 2B5436AD C847A2C5 DAB553EB 69A9A535 58E9F3E3 C0BD23CF 58BD7188  
68E69491 20F320E7 948E71D7 AE3BCC84 F10684C7 4BC8E00F 539BA42B 42C68BB7  
C7479096 B4CB2D62 EA2F505D C7B062A4 6811D95B E8250FC4 5D5D5FB8 8F27D191  
C55F0D76 61F9A4CD 3D992327 A8BB03BD 4E6D7069 7CBADF8B DF5F4368 95135E44  
DFC7C6CF 04DD7FD1 02030100 01A34230 40300E06 03551D0F 0101FF04 04030201  
06300F06 03551D13 0101FF04 05300301 01FF301D 0603551D 0E041604 1449DC85  
4B3D31E5 1B3E6A17 606AF333 3D3B4C73 E8300D06 092A8648 86F70D01 010B0500  
03820101 00507F24 D3932A66 86025D9F E838AE5C 6D4DF6B0 49631C78 240DA905  
604EDCDE FF4FED2B 77FC460E CD636FDB DD44681E 3A5673AB 9093D3B1 6C9E3D8B  
D98987BF E40CBD9E 1AECA0C2 2189BB5C 8FA85686 CD98B646 5575B146 8DFC66A8  
467A3DF4 4D565700 6ADF0F0D CF835015 3C04FF7C 21E878AC 11BA9CD2 55A9232C  
7CA7B7E6 C1AF74F6 152E99B7 B1FCF9BB E973DE7F 5BDDEB86 C71E3B49 1765308B  
5FB0DA06 B92AFE7F 494E8A9E 07B85737 F3A58BE1 1A48A229 C37C1E69 39F08678  
80DDCD16 D6BACECA EEBC7CF9 8428787B 35202CDC 60E4616A B623CDBD 230E3AFB  
418616A9 4093E049 4D10AB75 27E86F73 932E35B5 8862FDAE 0275156F 719BB2F0  
D697DF7F 28

quit

crypto pki certificate chain TP-self-signed-2661602703

certificate self-signed 01

30820330 30820218 A0030201 02020101 300D0609 2A864886 F70D0101 05050030  
31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274  
69666963 6174652D 32363631 36303237 3033301E 170D3030 30313031 30303032  
31325A17 0D333030 31303130 30303030 305A3031 312F302D 06035504 03132649  
4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D32 36363136  
30323730 33308201 22300D06 092A8648 86F70D01 01010500 0382010F 00308201

0A028201 0100B20D F704DBC0 42BF3A8C 2A21F00B 076199C9 29BEDAF5 A4166159  
DBD9BA36 3843A19F 2898E22D E9BF0808 F5434652 8A0DD69A D74B1520 C806DB0B  
D749513F EA7E3206 F1D04464 ODE9F314 24201B55 7404914F 5E696E5F DB7F545D  
40DDF760 07769950 64A86B11 E1E36EC0 72DFB0E4 6B2374C2 886CD540 8DB7ED4D  
3F7983AE FBCF6F5F 31AB2056 DA7FABFC C859E7BB D58D8876 A3134520 E28492F4  
2D0CACAE 9A49BF43 E1F168F4 EA036972 6B671AB1 3969C545 2A42BD20 67AB26E6  
3F12D09F 1767AC6E 1ED855D9 499A39A9 56B3FDF6 C06C3AF6 781E20C4 4CCE82CB  
8E941646 B8903BF8 AC7FF5ED D2A06B35 7A8C46AA 1EE18D75 7EE8D5B2 096D608D  
AC95C571 C5D50203 010001A3 53305130 0F060355 1D130101 FF040530 030101FF  
301F0603 551D2304 18301680 14944600 F640EEF8 1206247D 5464B9DC F6B0489E  
30301D06 03551D0E 04160414 944600F6 40EEF812 06247D54 64B9DCF6 B0489E30  
300D0609 2A864886 F70D0101 05050003 82010100 79631789 1789373D 6DC8EDC9  
052DC506 972602DA 24BD8E68 7C0A5734 687B302F 1855276B 8DE5103D CFC4D5F4  
7817E0ED 4FA21241 E521F2A9 F8211294 248AC338 A31F188F 5D54B39D 96266131  
2ADB72FC 149F3131 BA4FE37C F6160023 7E56FD9A 7A9E467E 7753CC6A 63CD2BBA  
C0A02F26 C2F780CD C2749648 48F628E6 D160D44E 7DBDE896 2AC106D8 2EB418DC  
DC1F985C 057799DB 263DDBAC 3E451E3F FC8A4DEB B2AF1AB3 A4E06930 A94BF6C5  
C777A658 CC2F5514 71EFFF54 861DC0D5 8969AC6A C104E607 A8EC0CC4 9BCB1093  
5382966E CE20F869 BB7786AB 67A3E06B 5636B547 0409E1BC B8926499 CD55A778  
DD8DE880 6EB928F9 450D1868 F9C893E2 705BAB60

quit

!

diagnostic bootup level minimal

!

!

!

spanning-tree mode rapid-pvst

spanning-tree extend system-id

memory free low-watermark processor 89969

!

!

alarm-profile defaultPort

alarm not-operating

syslog not-operating

notifies not-operating

!

alarm facility power-supply syslog

alarm facility temperature primary relay major

alarm facility temperature primary syslog

alarm facility temperature primary notifies

!

!

transceiver type all

monitoring

vlan internal allocation policy ascending

!

!

!

!

!

!

!

!

!

!

!

!

!

interface GigabitEthernet1/1

switchport mode trunk

```
!  
interface GigabitEthernet1/2  
  switchport mode trunk  
!  
interface GigabitEthernet1/3  
  switchport access vlan 501  
  switchport mode access  
!  
interface GigabitEthernet1/4  
  switchport access vlan 501  
  switchport mode access  
!  
interface GigabitEthernet1/5  
  switchport access vlan 501  
  switchport mode access  
!  
interface GigabitEthernet1/6  
  switchport access vlan 501  
  switchport mode access  
!  
interface GigabitEthernet1/7  
  switchport access vlan 509  
  switchport mode access  
!  
interface GigabitEthernet1/8  
  switchport access vlan 508  
  switchport mode access  
!  
interface GigabitEthernet1/9  
  switchport access vlan 500  
  switchport mode access
```

```
!  
interface GigabitEthernet1/10  
  switchport mode access  
!  
interface Vlan1  
  no ip address  
!  
interface Vlan510  
  ip address 172.16.8.167 255.255.254.0  
!  
ip default-gateway 172.16.8.1  
ip http server  
ip http authentication local  
ip http secure-server  
ip forward-protocol nd  
!  
ip ssh version 2  
!  
!  
!  
!  
control-plane  
!  
!  
line con 0  
  stopbits 1  
line aux 0  
  stopbits 1  
line vty 0 4  
  login local  
  transport input ssh
```

```
line vty 5 15
```

```
login
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
end
```

```
SW1# sh int trunk
```

Port	Mode	Encapsulation	Status	Native vlan
Gi1/1	on	802.1q	trunking	1
Gi1/2	on	802.1q	trunking	1

```
Port    Vlans allowed on trunk
```

```
Gi1/1   1-4094
```

```
Gi1/2   1-4094
```

```
Port    Vlans allowed and active in management domain
```

```
Gi1/1   1,500-515
```

```
Gi1/2   1,500-515
```

```
Port    Vlans in spanning tree forwarding state and not pruned
```

```
Gi1/1   1,500-515
```

```
Gi1/2   1,500-515
```

```
SW1#sh vlan br
```

VLAN Name	Status	Ports
-----------	--------	-------



```

-----
1 default          active Gi1/10
500 PTZ           active Gi1/9
501 FIXED_CAM     active Gi1/3, Gi1/4, Gi1/5, Gi1/6
502 VLAN0502     active
503 VLAN0503     active
504 VLAN0504     active
505 VLAN0505     active
506 VLAN0506     active
507 VLAN0507     active
508 UPS          active Gi1/8
509 BURGLAR_ALARM active Gi1/7
510 mgmt          active
511 VLAN0511     active
512 VLAN0512     active
513 VLAN0513     active
514 VLAN0514     active
515 VLAN0515     active
1002 fddi-default act/unsup
1003 token-ring-default act/unsup
1004 fddinet-default act/unsup
1005 trnet-default act/unsup

```

SW1#sh cdp nei

Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge

S - Switch, H - Host, I - IGMP, r - Repeater, P - Phone,

D - Remote, C - CVTA, M - Two-port Mac Relay

```

Device ID   Local Infrfce  Holdtme  Capability Platform Port ID
-b8a44f1a7954
           Gig 1/5       113      H Linux  eth0
SW1.       Gig 1/2       148      R S I IE-3200-8 Gig 1/2

```

```

-b8a44f1a9531
      Gig 1/3      114      H Linux  eth0
SW1.  Gig 1/1      162      S I IE-2000-1 Gig 1/1
-b8a44f19cd06
      Gig 1/4      115      H Linux  eth0
-acc8efcfb86
      Gig 1/6      112      H Linux  eth0
-b8a44f1a94a1
      Gig 1/9      94       H Linux  eth0

```

Total cdp entries displayed : 7

SW1#sh arp

Protocol	Address	Age (min)	Hardware Addr	Type	Interface
Internet	172.16.8.1	221	0000.0c07.ac0a	ARPA	Vlan510
Internet	172.16.8.113	18	bc4a.56fc.6b41	ARPA	Vlan510
Internet	172.16.8.167	-	6c71.0d14.c66b	ARPA	Vlan510
Internet	172.16.8.180	21	40f0.7879.66eb	ARPA	Vlan510
Internet	172.16.9.137	0	a488.7302.31eb	ARPA	Vlan510
Internet	172.16.9.253	0	5488.de48.80bf	ARPA	Vlan510

#sh cdp nei detail

-----  
Device ID: -b8a44f1a7954

Entry address(es):

IP address: 172.16.25.63

Platform: Linux, Capabilities: Host

Interface: GigabitEthernet1/5, Port ID (outgoing port): eth0

Holdtime : 97 sec

Version :

Network Camera 9.80.2.4

advertisement version: 2

-----

Device ID: SW1.

Entry address(es):

IP address: 172.16.9.137

Platform: cisco IE-3200-8P2S, Capabilities: Router Switch IGMP

Interface: GigabitEthernet1/2, Port ID (outgoing port): GigabitEthernet1/2

Holdtime : 160 sec

Version :

Cisco IOS Software [Gibraltar], IE3x00 Switch Software (IE3x00-UNIVERSALK9-M), Version 16.12.1, RELEASE SOFTWARE (fc3)

Technical Support: <http://www.cisco.com/techsupport>

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Compiled Tue 30-Jul-19 11:50 by mcpre

advertisement version: 2

VTP Management Domain: "

Native VLAN: 1

Duplex: full

Management address(es):

IP address: 172.16.9.137

-----

Device ID: -b8a44f1a9531

Entry address(es):

IP address: 172.16.25.66

Platform: Linux, Capabilities: Host

Interface: GigabitEthernet1/3, Port ID (outgoing port): eth0

Holdtime : 97 sec

Version :

Network Camera 9.80.2.2

advertisement version: 2

-----

Device ID: SW1.

Entry address(es):

IP address: 172.16.8.113

Platform: cisco IE-2000-16PTC-G-L, Capabilities: Switch IGMP

Interface: GigabitEthernet1/1, Port ID (outgoing port): GigabitEthernet1/1

Holdtime : 157 sec

Version :

Cisco IOS Software, IE2000 Software (IE2000-UNIVERSALK9-M), Version 15.2(7)E2, RELEASE SOFTWARE (fc3)

Technical Support: <http://www.cisco.com/techsupport>

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Compiled Sun 15-Mar-20 06:31 by prod\_rel\_team

advertisement version: 2

VTP Management Domain: "

Native VLAN: 1

Duplex: full

Management address(es):

IP address: 172.16.8.113

-----

Device ID: -b8a44f19cd06

Entry address(es):

IP address: 172.16.25.64

Platform: Linux, Capabilities: Host

Interface: GigabitEthernet1/4, Port ID (outgoing port): eth0

Holdtime : 98 sec

Version :

Network Camera 9.80.2.2

advertisement version: 2

-----

Device ID: -accc8efcfb86

Entry address(es):

IP address: 172.16.3.18

Platform: Linux, Capabilities: Host

Interface: GigabitEthernet1/6, Port ID (outgoing port): eth0

Holdtime : 95 sec

Version :

PTZ Network Camera 10.2.0

advertisement version: 2

-----

Device ID: -b8a44f1a94a1

Entry address(es):

IP address: 172.16.2.65

Platform: Linux, Capabilities: Host

Interface: GigabitEthernet1/9, Port ID (outgoing port): eth0

Holdtime : 107 sec

Version :

Network Camera 9.80.2.2

advertisement version: 2