

```
XXXX-IPT-CoreSW01#show ip igmp snooping querier detail ?
| Output modifiers
<cr>
```

```
XXXX-IPT-CoreSW01#show ip igmp snooping querier detail
Vlan      IP Address          IGMP Version  Port
-----
1         172.16.35.254      v2            Switch
8         172.16.35.254      v2            Switch
9         172.16.35.254      v2            Switch
10        172.16.35.254      v2            Switch
11        172.16.35.254      v2            Switch
12        172.16.35.254      v2            Switch
20        172.16.35.254      v2            Switch
30        172.16.35.254      v2            Switch
33        172.16.35.254      v2            Switch
34        172.16.35.254      v2            Switch
35        172.16.35.254      v2            Switch
```

Global IGMP switch querier status

```
-----
admin state           : Enabled
admin version         : 2
source IP address     : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count      : 2
tcn query interval (sec) : 10
```

Vlan 1: IGMP switch querier status

```
-----
elected querier is 172.16.35.254 (this switch querier)
-----
admin state           : Enabled (state inherited)
admin version         : 2
source IP address     : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count      : 2
tcn query interval (sec) : 10
operational state     : Querier
operational version   : 2
tcn query pending count : 0
```

Vlan 8: IGMP switch querier status

```
-----
elected querier is 172.16.35.254 (this switch querier)
-----
admin state           : Enabled (state inherited)
admin version         : 2
source IP address     : 172.16.35.254
```

query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count : 2
tcn query interval (sec) : 10
operational state : Querier
operational version : 2
tcn query pending count : 0

Vlan 9: IGMP switch querier status

elected querier is 172.16.35.254 (this switch querier)

admin state : Enabled (state inherited)
admin version : 2
source IP address : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count : 2
tcn query interval (sec) : 10
operational state : Querier
operational version : 2
tcn query pending count : 0

Vlan 10: IGMP switch querier status

elected querier is 172.16.35.254 (this switch querier)

admin state : Enabled (state inherited)
admin version : 2
source IP address : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count : 2
tcn query interval (sec) : 10
operational state : Querier
operational version : 2
tcn query pending count : 0

Vlan 11: IGMP switch querier status

elected querier is 172.16.35.254 (this switch querier)

admin state : Enabled (state inherited)
admin version : 2
source IP address : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count : 2
tcn query interval (sec) : 10
operational state : Querier

operational version : 2
tcn query pending count : 0

Vlan 12: IGMP switch querier status

elected querier is 172.16.35.254 (this switch querier)

admin state : Enabled (state inherited)
admin version : 2
source IP address : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count : 2
tcn query interval (sec) : 10
operational state : Querier
operational version : 2
tcn query pending count : 0

Vlan 20: IGMP switch querier status

elected querier is 172.16.35.254 (this switch querier)

admin state : Enabled (state inherited)
admin version : 2
source IP address : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count : 2
tcn query interval (sec) : 10
operational state : Querier
operational version : 2
tcn query pending count : 0

Vlan 30: IGMP switch querier status

elected querier is 172.16.35.254 (this switch querier)

admin state : Enabled (state inherited)
admin version : 2
source IP address : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count : 2
tcn query interval (sec) : 10
operational state : Querier
operational version : 2
tcn query pending count : 0

Vlan 33: IGMP switch querier status

elected querier is 172.16.35.254 (this switch querier)

```

-----
admin state           : Enabled (state inherited)
admin version         : 2
source IP address     : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count      : 2
tcn query interval (sec) : 10
operational state    : Querier
operational version   : 2
tcn query pending count : 0

```

Vlan 34: IGMP switch querier status

```

-----
elected querier is 172.16.35.254 (this switch querier)
-----

```

```

admin state           : Enabled (state inherited)
admin version         : 2
source IP address     : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count      : 2
tcn query interval (sec) : 10
operational state    : Querier
operational version   : 2
tcn query pending count : 0

```

Vlan 35: IGMP switch querier status

```

-----
elected querier is 172.16.35.254 (this switch querier)
-----

```

```

admin state           : Enabled (state inherited)
admin version         : 2
source IP address     : 172.16.35.254
query-interval (sec) : 60
max-response-time (sec) : 10
querier-timeout (sec) : 120
tcn query count      : 2
tcn query interval (sec) : 10
operational state    : Querier
operational version   : 2
tcn query pending count : 0

```

XXXX-IPT-CoreSW01#show vlan

VLAN Name	Status	Ports
1 default	active	
8 Interconnect	active	Gi1/0/11
9 Voice-Server	active	Gi1/0/12, Gi1/1/2
10 3rdParty-Phones	active	
11 Cisco-Phones	active	

```

12 Cisco-Phones-2 active
20 VLAN0020 active
30 VLAN0030 active
33 AV active
34 Client active
35 IPTV active
1002 fddi-default act/unsup
1003 token-ring-default act/unsup
1004 fddinet-default act/unsup
1005 trnet-default act/unsup

```

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode
Trans1	Trans2							
1	enet	100001	1500	-	-	-	-	0
0								
8	enet	100008	1500	-	-	-	-	0
0								
9	enet	100009	1500	-	-	-	-	0
0								
10	enet	100010	1500	-	-	-	-	0
0								
11	enet	100011	1500	-	-	-	-	0
0								
12	enet	100012	1500	-	-	-	-	0
0								
20	enet	100020	1500	-	-	-	-	0
0								
30	enet	100030	1500	-	-	-	-	0
0								
33	enet	100033	1500	-	-	-	-	0
0								
34	enet	100034	1500	-	-	-	-	0
0								
35	enet	100035	1500	-	-	-	-	0
0								
1002	fddi	101002	1500	-	-	-	-	0
0								
1003	tr	101003	1500	-	-	-	-	0
0								
1004	fdnet	101004	1500	-	-	-	ieee	0
0								
1005	trnet	101005	1500	-	-	-	ibm	0
0								

Remote SPAN VLANs

Primary	Secondary	Type	Ports
-----	-----	-----	-----

```

XXXX-IPT-CoreSW01#show cdp nei
XXXX-IPT-CoreSW01#show cdp neighbors
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 Port ID	Local Intrfce	Holdtme	Capability	Platform
CUCM-1 eth0	Gig 1/1/2	134	H	VMware
XXXX-IPT-VG01.XXXX.com Gig 0/0/0	Gig 1/0/12	150	R S I	ISR4431/K
CUC-1 eth0	Gig 1/1/2	176	H	VMware
C3850-1-WLAN-UK-AS Gig 1/0/21	Gig 1/1/1	150	R S I	WS-C3850-
XXXX-IPT-CoreSW02 Gig 1/1/4	Gig 1/1/4	168	R S I	WS-C3850-
XXXX-IPT-CoreSW02 Gig 1/1/3	Gig 1/1/3	153	R S I	WS-C3850-
XXXX-IPT-AccessSW03 Gig 1/0/50	Gig 1/0/3	167	S I	WS-C2960X
XXXX-IPT-AccessSW02 Gig 1/0/50	Gig 1/0/2	178	S I	WS-C2960X
XXXX-IPT-AccessSW01 Gig 1/0/50	Gig 1/0/1	153	S I	WS-C2960X
XXXX-IPT-AccessSW10 Gig 1/0/50	Gig 1/0/10	129	S I	WS-C2960X
XXXX-IPT-AccessSW07 Gig 1/0/50	Gig 1/0/7	137	S I	WS-C2960X
XXXX-IPT-AccessSW06 Gig 1/0/50	Gig 1/0/6	166	S I	WS-C2960X
XXXX-IPT-AccessSW05 Gig 1/0/50	Gig 1/0/5	175	S I	WS-C2960X
XXXX-IPT-AccessSW04 Gig 1/0/50	Gig 1/0/4	176	S I	WS-C2960X
XXXX-IPT-AccessSW09 Gig 1/0/50	Gig 1/0/9	139	S I	WS-C2960X

XXXX-IPT-AccessSW08
Gig 1/0/8 178 S I WS-C2960X
Gig 1/0/50

Total cdp entries displayed : 16
XXXX-IPT-CoreSW01#show run
Building configuration...

Current configuration : 12142 bytes
!
! Last configuration change at 14:32:39 UTC Fri Oct 25 2019 by admin
!
version 16.3
no service pad
service timestamps debug datetime msec
service timestamps log datetime msec
no platform punt-keepalive disable-kernel-core
!
hostname XXXX-IPT-CoreSW01
!
!
vrf definition Mgmt-vrf
!
 address-family ipv4
 exit-address-family
 !
 address-family ipv6
 exit-address-family
 !
enable secret 5 \$1\$uqPI\$ef/EEyokHBoLV3czVHFF//
!
no aaa new-model
switch 1 provision ws-c3850-12s
!
!
!
!
ip routing
!
!
!
ip dhcp excluded-address 172.16.33.201 172.16.33.254
ip dhcp excluded-address 172.16.34.201 172.16.34.254
ip dhcp excluded-address 172.16.35.201 172.16.35.254
ip dhcp excluded-address 172.16.10.129 172.16.10.254
ip dhcp excluded-address 172.16.11.129 172.16.11.254
ip dhcp excluded-address 172.16.12.129 172.16.12.254
ip dhcp excluded-address 172.16.33.101 172.16.33.200
ip dhcp excluded-address 172.16.34.101 172.16.34.200
ip dhcp excluded-address 172.16.35.101 172.16.35.200
!
ip dhcp pool 3rdParty-Phone
 network 172.16.10.0 255.255.255.0
 default-router 172.16.10.254


```
4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D32
30393233
36363834 37308201 22300D06 092A8648 86F70D01 01010500 0382010F
00308201
0A028201 0100B753 7A297430 D78FD6B8 7D16EB81 6DB7E156 6EBDDBC9
7C3987AA
1EF334A9 2B8A1D51 255ADC4F 95372746 30C984C9 64E2BFC3 ECC3B9E7
89D45135
07AA4619 DAA9665C B1C0DA58 6375EA6D 6389CA09 EE479E4B 747E212F
A7D59FAC
1C884A17 DE319070 171249A4 E4486378 34FC1391 6890318C 3D7AA8AE
111BD63A
8686CA95 46CA50D0 70940DDC DF310CEF BDA77CF0 03D783E2 C2189838
4D47A696
C5D457C3 AA67FAC3 F37C28BC F7E06B87 42C01B27 5E88769C 4F629CE0
23B5AEA1
BDD4ED1F C65D1FB0 6E032E04 CE5940D0 E96A074A F2D33DAA 37FF9C6B
4DE5CE2A
00A0470E 223F2A49 357A0235 6E58B1F9 32FA7105 138DE59F 19CBC59B
A4787634
AF8D07F6 0D8B0203 010001A3 53305130 0F060355 1D130101 FF040530
030101FF
301F0603 551D2304 18301680 14428BC0 991847FA A453FDA1 42BE91B3
86D756CE
64301D06 03551D0E 04160414 428BC099 1847FAA4 53FDA142 BE91B386
D756CE64
300D0609 2A864886 F70D0101 05050003 82010100 343FA354 B87473CC
A4DAFC99
2338A091 B552FC82 E379040D 9676FE91 E9F2617D 52396EBB F541F6F3
6DACC2CE
6671B245 1F70C209 F0DEEE1E 82DD3285 48CFD577 90FF5A3A 5459DC00
49DFB0C4
086FF5F0 1BE81F51 BD22DB08 AB99B81D D6A2E535 9267E11B BB997EE7
D6D3D5CD
47A668A2 9805F9A3 B7AE1F4F C5A9B2A4 47B2AC39 44C44828 EEDEA147
8DB416B2
FE951CA8 BB644C5B 7C65CED9 ED029431 181536BF 84A4F0CA 5201B572
63D051C0
4AFA141B 15AC17A5 6E952FFB B22421DB 5A6D6BDB 4121A172 ACCFE995
1080F019
D3928224 4B6A97F3 2357BA8F EDD3BCC5 8B79F96E A56F5E81 B13779E3
621B363D
3E67C0AB 2BC970B3 0ACC1A29 92C647E2 6ABF6691
quit
```

```
!
system mtu 9198
license boot level ipbasek9
diagnostic bootup level minimal
spanning-tree mode rapid-pvst
spanning-tree extend system-id
!
!
username admin privilege 15 password 0 Password01!
!
```

```

redundancy
 mode sso
!
!
!
class-map match-any system-cpp-police-topology-control
 description Topology control
class-map match-any system-cpp-police-sw-forward
 description Sw forwarding, SGT Cache Full, LOGGING
class-map match-any system-cpp-default
 description DHCP snooping, show forward and rest of traffic
class-map match-any system-cpp-police-sys-data
 description Learning cache ovfl, Crypto Control, Exception, EGR
Exception, NFL SAMPLED DATA, Gold Pkt, RPF Failed
class-map match-any system-cpp-police-punt-webauth
 description Punt Webauth
class-map match-any system-cpp-police-forus
 description Forus Address resolution and Forus traffic
class-map match-any system-cpp-police-multicast-end-station
 description MCAST END STATION
class-map match-any system-cpp-police-multicast
 description Transit Traffic and MCAST Data
class-map match-any system-cpp-police-l2-control
 description L2 control
class-map match-any system-cpp-police-dot1x-auth
 description DOT1X Auth
class-map match-any system-cpp-police-data
 description ICMP_GEN and BROADCAST
class-map match-any system-cpp-police-control-low-priority
 description ICMP redirect and general punt
class-map match-any system-cpp-police-wireless-priority1
 description Wireless priority 1
class-map match-any system-cpp-police-wireless-priority2
 description Wireless priority 2
class-map match-any system-cpp-police-wireless-priority3-4-5
 description Wireless priority 3,4 and 5
class-map match-any non-client-nrt-class
class-map match-any system-cpp-police-routing-control
 description Routing control
class-map match-any system-cpp-police-protocol-snooping
 description Protocol snooping
!
policy-map port_child_policy
 class non-client-nrt-class
 bandwidth remaining ratio 10
policy-map system-cpp-policy
 class system-cpp-police-data
 police rate 200 pps
 class system-cpp-police-sys-data
 police rate 100 pps
 class system-cpp-police-sw-forward
 police rate 1000 pps
 class system-cpp-police-multicast
 police rate 500 pps

```



```
interface GigabitEthernet1/0/6
  switchport trunk allowed vlan 1,9-12,33-35
  switchport mode trunk
!
interface GigabitEthernet1/0/7
  switchport trunk allowed vlan 1,9,33-35
  switchport mode trunk
!
interface GigabitEthernet1/0/8
  switchport trunk allowed vlan 1,9-12,33-35
  switchport mode trunk
!
interface GigabitEthernet1/0/9
  switchport trunk allowed vlan 1,9-12,33-35
  switchport mode trunk
!
interface GigabitEthernet1/0/10
  switchport access vlan 9
  switchport trunk allowed vlan 1,9-12,33-35
  switchport mode trunk
!
interface GigabitEthernet1/0/11
  description ****To ASA01 G1/2****
  switchport access vlan 8
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/12
  description ****Connect to CUBE01-G0/0/0****
  switchport access vlan 9
  switchport mode access
!
interface GigabitEthernet1/1/1
  description ****Connect to XXXX WLAN SW G1/0/21****
  no switchport
  ip address 10.10.10.2 255.255.255.252
!
interface GigabitEthernet1/1/2
  description ****Connect To BE6M01 Eth0****
  switchport access vlan 9
  switchport mode access
!
interface GigabitEthernet1/1/3
  description ****Connect To CoreSW02 G1/1/3-4****
  switchport mode trunk
!
interface GigabitEthernet1/1/4
  description ****Connect To CoreSW02 G1/1/3-4****
  switchport mode trunk
!
interface TenGigabitEthernet1/1/1
!
interface TenGigabitEthernet1/1/2
!
```

```
interface TenGigabitEthernet1/1/3
!
interface TenGigabitEthernet1/1/4
!
interface Vlan1
  no ip address
  shutdown
!
interface Vlan8
  ip address 172.16.8.28 255.255.255.224
  standby 8 ip 172.16.8.30
  standby 8 priority 110
  standby 8 preempt
!
interface Vlan9
  ip address 172.16.9.252 255.255.255.0
  standby 9 ip 172.16.9.254
  standby 9 priority 110
  standby 9 preempt
!
interface Vlan10
  ip address 172.16.10.252 255.255.255.0
  standby 10 ip 172.16.10.254
  standby 10 priority 110
  standby 10 preempt
!
interface Vlan11
  ip address 172.16.11.252 255.255.255.0
  standby 11 ip 172.16.11.254
  standby 11 priority 110
  standby 11 preempt
!
interface Vlan12
  ip address 172.16.12.252 255.255.255.0
  standby 12 ip 172.16.12.254
  standby 12 priority 110
  standby 12 preempt
!
interface Vlan33
  ip address 172.16.33.252 255.255.255.0
  standby 33 ip 172.16.33.254
  standby 33 priority 110
  standby 33 preempt
!
interface Vlan34
  ip address 172.16.34.252 255.255.255.0
  standby 34 ip 172.16.34.254
  standby 34 priority 110
  standby 34 preempt
!
interface Vlan35
  ip address 172.16.35.252 255.255.255.0
  standby 35 ip 172.16.35.254
  standby 35 priority 110
```

```
standby 35 preempt
!
ip forward-protocol nd
ip pim bsr-candidate Vlan35 0
ip pim rp-candidate Vlan35
ip http server
ip http authentication local
ip http secure-server
ip route 0.0.0.0 0.0.0.0 172.16.8.2
ip route 172.16.1.0 255.255.255.0 172.16.8.1
ip route 172.16.2.0 255.255.255.0 172.16.8.2
ip route 192.168.10.0 255.255.255.0 10.10.10.1
!
ip access-list extended AutoQos-4.0-wlan-Acl-Bulk-Data
  permit tcp any any eq 22
  permit tcp any any eq 465
  permit tcp any any eq 143
  permit tcp any any eq 993
  permit tcp any any eq 995
  permit tcp any any eq 1914
  permit tcp any any eq ftp
  permit tcp any any eq ftp-data
  permit tcp any any eq smtp
  permit tcp any any eq pop3
ip access-list extended AutoQos-4.0-wlan-Acl-MultiEnhanced-Conf
  permit udp any any range 16384 32767
  permit tcp any any range 50000 59999
ip access-list extended AutoQos-4.0-wlan-Acl-Scavenger
  permit tcp any any range 2300 2400
  permit udp any any range 2300 2400
  permit tcp any any range 6881 6999
  permit tcp any any range 28800 29100
  permit tcp any any eq 1214
  permit udp any any eq 1214
  permit tcp any any eq 3689
  permit udp any any eq 3689
  permit tcp any any eq 11999
ip access-list extended AutoQos-4.0-wlan-Acl-Signaling
  permit tcp any any range 2000 2002
  permit tcp any any range 5060 5061
  permit udp any any range 5060 5061
ip access-list extended AutoQos-4.0-wlan-Acl-Transactional-Data
  permit tcp any any eq 443
  permit tcp any any eq 1521
  permit udp any any eq 1521
  permit tcp any any eq 1526
  permit udp any any eq 1526
  permit tcp any any eq 1575
  permit udp any any eq 1575
  permit tcp any any eq 1630
  permit udp any any eq 1630
  permit tcp any any eq 1527
  permit tcp any any eq 6200
  permit tcp any any eq 3389
```

```
permit tcp any any eq 5985
permit tcp any any eq 8080
!
!
!
control-plane
service-policy input system-cpp-policy
!
!
line con 0
stopbits 1
line aux 0
stopbits 1
line vty 0 4
login local
line vty 5 15
login local
!
ntp source Vlan9
!
wsma agent exec
!
wsma agent config
!
wsma agent filesys
!
wsma agent notify
!
!
ap dot11 airtime-fairness policy-name Default 0
ap group default-group
ap hyperlocation ble-beacon 0
ap hyperlocation ble-beacon 1
ap hyperlocation ble-beacon 2
ap hyperlocation ble-beacon 3
ap hyperlocation ble-beacon 4
end
```

XXXX-IPT-CoreSW01#