

```
CMS#sho clock
* 03:10:29.963 EST Wed Mar 3 1993
CMS#sho ver
Cisco IOS Software, C3750 Software (C3750-IPSERVICESK9-M), Version
12.2(55)SE12, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2017 by Cisco Systems, Inc.
Compiled Thu 28-Sep-17 02:29 by prod_rel_team
Image text-base: 0x01000000, data-base: 0x02F00000

ROM: Bootstrap program is C3750 boot loader
BOOTLDR: C3750 Boot Loader (C3750-HBOOT-M) Version 12.2(44)SE5, RELEASE
SOFTWARE (fcl)
```

```
CMS uptime is 2 days, 8 hours, 10 minutes
System returned to ROM by power-on
System image file is "flash:/c3750-ip-servicesk9-mz.122-55.SE12/c3750-
ip-servicesk9-mz.122-55.SE12.bin"
```

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<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

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```
cisco WS-C3750G-24TS-1U (PowerPC405) processor (revision D0) with 131072K
bytes of memory.
Processor board ID FOC1049Y23X
Last reset from power-on
5 Virtual Ethernet interfaces
56 Gigabit Ethernet interfaces
The password-recovery mechanism is enabled.
```

512K bytes of flash-simulated non-volatile configuration memory.

```
Base ethernet MAC Address       : 00:1A:6D:38:DF:00
Motherboard assembly number     : 73-10219-07
Power supply part number        : 341-0098-02
Motherboard serial number       : FOC10490D30
Power supply serial number      : AZS104700SM
Model revision number           : D0
Motherboard revision number     : B0
Model number                    : WS-C3750G-24TS-S1U
System serial number            : FOC1049Y23X
```

```

Top Assembly Part Number      : 800-26859-01
Top Assembly Revision Number  : B0
Version ID                    : V03
CLEI Code Number             : CNMWS00ARC
Hardware Board Revision Number : 0x09

```

```

Switch Ports Model          SW Version      SW Image
-----
*  1 28    WS-C3750G-24TS-1U  12.2(55)SE12   C3750-IPSERVICESK9-M
    2 28    WS-C3750G-24TS-1U  12.2(55)SE12   C3750-IPSERVICESK9-M

```

Switch 02  
-----

```

Switch Uptime                : 2 days, 8 hours, 10 minutes
Base ethernet MAC Address    : 00:1A:6D:33:4D:80
Motherboard assembly number  : 73-10219-07
Power supply part number     : 341-0098-02
Motherboard serial number    : FOC104805JL
Power supply serial number   : AZS104700PL
Model revision number        : D0
Motherboard revision number  : B0
Model number                 : WS-C3750G-24TS-S1U
System serial number         : FOC1049Y290
Top assembly part number     : 800-26859-01
Top assembly revision number : B0
Version ID                   : V03
CLEI Code Number            : CNMWS00ARC

```

Configuration register is 0xF

CMS# sho inv

```

NAME: "1", DESCR: "WS-C3750G-24TS-1U"
PID: WS-C3750G-24TS-S1U, VID: V03 , SN: FOC1049Y23X

```

```

NAME: "GigabitEthernet1/0/28", DESCR: "1000BaseBX10-U SFP"
PID: GLC-BX-U , VID: V02 , SN: D8790600466

```

```

NAME: "2", DESCR: "WS-C3750G-24TS-1U"
PID: WS-C3750G-24TS-S1U, VID: V03 , SN: FOC1049Y290

```

```

NAME: "GigabitEthernet2/0/28", DESCR: "1000BaseBX10-U SFP"
PID: GLC-BX-U , VID: V02 , SN: D8790600452

```

CMS#sho switch

Switch/Stack Mac Address : 001a.6d38.df00

Switch#	Role	Mac Address	Priority	H/W Version	Current State
* 1	Master	001a.6d38.df00	15	0	Ready
2	Member	001a.6d33.4d80	14	0	Ready

CMS# sho vlan

VLAN Name	Status	Ports							
1. default	active	Gi1/0/1, Gi1/0/2, Gi1/0/3 Gi1/0/4, Gi1/0/5, Gi1/0/6 Gi1/0/7, Gi1/0/8, Gi1/0/9 Gi1/0/10, Gi1/0/11, Gi1/0/12 Gi1/0/13, Gi1/0/14, Gi1/0/15 Gi1/0/16, Gi1/0/17, Gi1/0/18 Gi1/0/19, Gi1/0/20, Gi1/0/21 Gi1/0/22, Gi1/0/23, Gi1/0/24 Gi1/0/25, Gi1/0/26, Gi1/0/27 Gi2/0/1, Gi2/0/2, Gi2/0/3 Gi2/0/4, Gi2/0/5, Gi2/0/6 Gi2/0/7, Gi2/0/8, Gi2/0/9 Gi2/0/10, Gi2/0/11, Gi2/0/12 Gi2/0/13, Gi2/0/14, Gi2/0/15 Gi2/0/16, Gi2/0/17, Gi2/0/18 Gi2/0/19, Gi2/0/20, Gi2/0/21 Gi2/0/22, Gi2/0/23, Gi2/0/24 Gi2/0/25, Gi2/0/26, Gi2/0/27 Gi2/0/28							
608 CMS-RADIO	active								
VLAN Name	Status	Ports							
638 CMS-MGMT	active								
666 COD-CMS	active								
671 CMS-RWT	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

608	enet	100608	1500	-	-	-	-	-	0	0
638	enet	100638	1500	-	-	-	-	-	0	0
666	enet	100666	1500	-	-	-	-	-	0	0
671	enet	100671	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
---------	-----------	------	-------

-----  
 ----

```
CMS# sho ip int br
```

Interface	IP-Address	OK?	Method	Status
Protocol				
Vlan1	unassigned	YES	NVRAM	up
down				
Vlan608	172.28.38.241	YES	NVRAM	up
down				
Vlan638	172.28.166.113	YES	NVRAM	up
down				
Vlan666	172.29.48.42	YES	NVRAM	up
Vlan671	172.29.48.81	YES	NVRAM	up
down				
GigabitEthernet1/0/1	unassigned	YES	unset	down
down				
GigabitEthernet1/0/2	unassigned	YES	unset	down
down				
GigabitEthernet1/0/3	unassigned	YES	unset	down
down				
GigabitEthernet1/0/4	unassigned	YES	unset	down
down				
GigabitEthernet1/0/5	unassigned	YES	unset	down
down				
GigabitEthernet1/0/6	unassigned	YES	unset	down
down				
GigabitEthernet1/0/7	unassigned	YES	unset	down
down				
GigabitEthernet1/0/8	unassigned	YES	unset	down
down				
GigabitEthernet1/0/9	unassigned	YES	unset	down
down				
GigabitEthernet1/0/10	unassigned	YES	unset	down
down				
GigabitEthernet1/0/11	unassigned	YES	unset	down
down				
GigabitEthernet1/0/12	unassigned	YES	unset	down
down				

GigabitEthernet1/0/13	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/14	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/15	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/16	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/17	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/18	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/19	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/20	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/21	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/22	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/23	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/24	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/25	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/26	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/27	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/28	unassigned	YES	unset	up	up
GigabitEthernet2/0/1	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/2	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/3	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/4	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/5	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/6	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/7	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/8	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/9	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/10	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/11	unassigned	YES	unset	down	
down					

```

GigabitEthernet2/0/12  unassigned      YES unset  down
down
GigabitEthernet2/0/13  unassigned      YES unset  down
down
GigabitEthernet2/0/14  unassigned      YES unset  down
down
GigabitEthernet2/0/15  unassigned      YES unset  down
down
GigabitEthernet2/0/16  unassigned      YES unset  down
down
GigabitEthernet2/0/17  unassigned      YES unset  down
down
GigabitEthernet2/0/18  unassigned      YES unset  down
down
GigabitEthernet2/0/19  unassigned      YES unset  down
down
GigabitEthernet2/0/20  unassigned      YES unset  down
down
GigabitEthernet2/0/21  unassigned      YES unset  down
down
GigabitEthernet2/0/22  unassigned      YES unset  down
down
GigabitEthernet2/0/23  unassigned      YES unset  down
down
GigabitEthernet2/0/24  unassigned      YES unset  down
down
GigabitEthernet2/0/25  unassigned      YES unset  down
down
GigabitEthernet2/0/26  unassigned      YES unset  down
down
GigabitEthernet2/0/27  unassigned      YES unset  down
down
GigabitEthernet2/0/28  unassigned      YES unset  down
down
Port-channel1          unassigned      YES unset  up

```

up

CMS#sho mac add

CMS#sho mac address-table

Mac Address Table

```

-----
Vlan      Mac Address      Type      Ports
-----
All       0100.0ccc.cccc   STATIC    CPU
All       0100.0ccc.cccd   STATIC    CPU
All       0180.c200.0000   STATIC    CPU
All       0180.c200.0001   STATIC    CPU
All       0180.c200.0002   STATIC    CPU
All       0180.c200.0003   STATIC    CPU
All       0180.c200.0004   STATIC    CPU
All       0180.c200.0005   STATIC    CPU
All       0180.c200.0006   STATIC    CPU
All       0180.c200.0007   STATIC    CPU
All       0180.c200.0008   STATIC    CPU
All       0180.c200.0009   STATIC    CPU

```

```
All      0180.c200.000a    STATIC    CPU
All      0180.c200.000b    STATIC    CPU
All      0180.c200.000c    STATIC    CPU
All      0180.c200.000d    STATIC    CPU
All      0180.c200.000e    STATIC    CPU
All      0180.c200.000f    STATIC    CPU
All      0180.c200.0010    STATIC    CPU
All      ffff.ffff.ffff     STATIC    CPU
666      1caa.07da.8ec9     DYNAMIC   Po1
Total Mac Addresses for this criterion: 21
CMS#  sho start
Using 5483 out of 524288 bytes
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service linenumbers
service sequence-numbers
service unsupported-transceiver
!
hostname CMS
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
aaa authentication login default local-case
!
!
!
aaa session-id common
clock timezone EST -5
clock summer-time EDT recurring
switch 1 provision ws-c3750g-24ts-lu
switch 2 provision ws-c3750g-24ts-lu
system mtu routing 1500
vtp domain PSNET
vtp mode transparent
ip routing
no ip domain-lookup
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
```

```
!  
!  
!  
crypto pki trustpoint TP-self-signed-1832078720  
  enrollment selfsigned  
  subject-name cn=IOS-Self-Signed-Certificate-1832078720  
  revocation-check none  
  rsakeypair TP-self-signed-1832078720  
!  
!  
crypto pki certificate chain TP-self-signed-1832078720  
  certificate self-signed 01 nvram:IOS-Self-Sig#3031.cer  
!  
!  
!  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
vlan internal allocation policy ascending  
!  
vlan 608  
  name CMS-RADIO  
!  
vlan 638  
  name CMS-MGMT  
!  
vlan 666  
  name COD-CMS  
!  
vlan 671  
  name CMS-RWT  
!  
!  
!  
!  
interface Port-channel1  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 666  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/1  
!  
interface GigabitEthernet1/0/2  
!  
interface GigabitEthernet1/0/3  
!  
interface GigabitEthernet1/0/4  
!  
interface GigabitEthernet1/0/5  
!  
interface GigabitEthernet1/0/6  
!  
interface GigabitEthernet1/0/7  
!
```

```
interface GigabitEthernet1/0/8
!
interface GigabitEthernet1/0/9
!
interface GigabitEthernet1/0/10
!
interface GigabitEthernet1/0/11
!
interface GigabitEthernet1/0/12
!
interface GigabitEthernet1/0/13
!
interface GigabitEthernet1/0/14
!
interface GigabitEthernet1/0/15
!
interface GigabitEthernet1/0/16
!
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
!
interface GigabitEthernet1/0/23
!
interface GigabitEthernet1/0/24
description *** MOTOROLA PTP 600 TO RICCIUTI WATER TOWER ***
switchport trunk encapsulation dot1q
switchport trunk native vlan 671
switchport trunk allowed vlan 671
switchport mode trunk
!
interface GigabitEthernet1/0/25
!
interface GigabitEthernet1/0/26
!
interface GigabitEthernet1/0/27
!
interface GigabitEthernet1/0/28
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 666
switchport mode trunk
channel-group 1 mode active
!
interface GigabitEthernet2/0/1
!
interface GigabitEthernet2/0/2
```

```
!  
interface GigabitEthernet2/0/3  
!  
interface GigabitEthernet2/0/4  
!  
interface GigabitEthernet2/0/5  
!  
interface GigabitEthernet2/0/6  
!  
interface GigabitEthernet2/0/7  
!  
interface GigabitEthernet2/0/8  
!  
interface GigabitEthernet2/0/9  
!  
interface GigabitEthernet2/0/10  
!  
interface GigabitEthernet2/0/11  
!  
interface GigabitEthernet2/0/12  
!  
interface GigabitEthernet2/0/13  
!  
interface GigabitEthernet2/0/14  
!  
interface GigabitEthernet2/0/15  
!  
interface GigabitEthernet2/0/16  
!  
interface GigabitEthernet2/0/17  
!  
interface GigabitEthernet2/0/18  
!  
interface GigabitEthernet2/0/19  
!  
interface GigabitEthernet2/0/20  
!  
interface GigabitEthernet2/0/21  
!  
interface GigabitEthernet2/0/22  
!  
interface GigabitEthernet2/0/23  
!  
interface GigabitEthernet2/0/24  
!  
interface GigabitEthernet2/0/25  
!  
interface GigabitEthernet2/0/26  
!  
interface GigabitEthernet2/0/27  
!  
interface GigabitEthernet2/0/28  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 666
```

```
switchport mode trunk
channel-group 1 mode active
!
interface Vlan1
no ip address
!
interface Vlan608
ip address 172.28.38.241 255.255.255.240
!
interface Vlan638
ip address 172.28.166.113 255.255.255.240
!
interface Vlan666
description *** 2GB FIBER LINKS TO CODDINGTON CORE ***
bandwidth 2000000
ip address 172.29.48.42 255.255.255.248
ip ospf message-digest-key 1 md5 7 083108405A2D5504022D075733
ip ospf network point-to-point
!
interface Vlan671
description *** 300MB MICROWAVE TO RICCIUTI WATER TOWER ***
bandwidth 300000
ip address 172.29.48.81 255.255.255.248
ip ospf message-digest-key 1 md5 7 071F65421D3D49160734005F1D
ip ospf network point-to-point
!
router ospf 1001
router-id 172.29.48.42
log-adjacency-changes
auto-cost reference-bandwidth 10000
area 0 authentication message-digest
passive-interface Vlan608
passive-interface Vlan638
network 172.28.38.240 0.0.0.15 area 0
network 172.28.166.112 0.0.0.15 area 0
network 172.29.48.0 0.0.0.255 area 0
!
ip classless
no ip http server
no ip http secure-server
!
!
ip sla enable reaction-alerts
!
!
vstack
banner login ^CC
***** Metro Boston Homeland Security Region (MBHSR) *****
***** PSnet: Public Safety Network (www.ps-net.org) *****
.
Authorized access only! All access is logged!
Notice: Any unauthorized use of this system is unlawful and
subject to civil and criminal penalties.
Disconnect immediately if not authorized to use this system!
```

```
.
^C
!
line con 0
  exec-timeout 15 0
  logging synchronous
line vty 0 4
  privilege level 15
  logging synchronous
  transport input ssh
line vty 5 15
  privilege level 15
  logging synchronous
  transport input ssh
!
ntp server 10.254.176.254
ntp server 10.254.66.254
ntp server 10.254.160.254 key 0 prefer
end
```

```
CMS#sho run
Building configuration...
```

```
Current configuration : 6837 bytes
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service linenumbers
service sequence-numbers
service unsupported-transceiver
!
hostname CMS
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
aaa authentication login default local-case
!
!
!
aaa session-id common
```

```
clock timezone EST -5
clock summer-time EDT recurring
switch 1 provision ws-c3750g-24ts-1u
switch 2 provision ws-c3750g-24ts-1u
system mtu routing 1500
vtp domain PSNET
vtp mode transparent
ip routing
no ip domain-lookup
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
!
!
!
crypto pki trustpoint TP-self-signed-1832078720
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1832078720
  revocation-check none
  rsakeypair TP-self-signed-1832078720
!
!
crypto pki certificate chain TP-self-signed-1832078720
  certificate self-signed 01
    30820246 308201AF A0030201 02020101 300D0609 2A864886 F70D0101 04050030
    31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274
    69666963 6174652D 31383332 30373837 3230301E 170D3933 30333031 30303033
    31365A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649
    4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D31 38333230
    37383732 3030819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281
    8100D2C2 8FA1DBF4 300424F0 08F42A2C 3FC03212 6445434F B495564D 273BD044
    52DF5708 3E4B29E1 0614FC86 3BB63FD8 C5FDD92A 09D5B9EF 56F695EB F7F95F2A
    7759BE7B 32D89DB5 BA00D07B 0517D6D8 B81997F4 42A6A4E7 D4A86B3E 67466071
    9D80045D 58C88207 FC1BA332 5E9DD137 5C7FDD30 071C7D69 80EBEE19 4265101D
    34C10203 010001A3 6E306C30 0F060355 1D130101 FF040530 030101FF 30190603
    551D1104 12301082 0E434D53 2E70732D 6E65742E 6F726730 1F060355 1D230418
    30168014 A8BAD556 B2DA9A81 7DD7B744 A6C2D68C DCE095BB 301D0603 551D0E04
    160414A8 BAD556B2 DA9A817D D7B744A6 C2D68CDC E095BB30 0D06092A 864886F7
    0D010104 05000381 81001E6A 8814F0C3 2BDB644D 947B493D 0C0196AB 6F3304AC
    54E58C51 4643A90C CCD554B0 E63C2A74 2769A85F B505A9A3 08BDFE9A 60E7D91B
    FE3030FB 3595E21F E7CCDB33 536914BB 770A3447 0CE11A35 17A05CDF 0D53B158
    A3AAE2BE 20902B85 C1AD0169 05F490A1 90FCABCA 8E4DB159 EBDD5787 BCE3F348
    8DB0B638 35AA4BD7 DBDA
  quit
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 608
  name CMS-RADIO
```

```
!  
vlan 638  
  name CMS-MGMT  
!  
vlan 666  
  name COD-CMS  
!  
vlan 671  
  name CMS-RWT  
!  
!  
!  
!  
interface Port-channel1  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 666  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/1  
!  
interface GigabitEthernet1/0/2  
!  
interface GigabitEthernet1/0/3  
!  
interface GigabitEthernet1/0/4  
!  
interface GigabitEthernet1/0/5  
!  
interface GigabitEthernet1/0/6  
!  
interface GigabitEthernet1/0/7  
!  
interface GigabitEthernet1/0/8  
!  
interface GigabitEthernet1/0/9  
!  
interface GigabitEthernet1/0/10  
!  
interface GigabitEthernet1/0/11  
!  
interface GigabitEthernet1/0/12  
!  
interface GigabitEthernet1/0/13  
!  
interface GigabitEthernet1/0/14  
!  
interface GigabitEthernet1/0/15  
!  
interface GigabitEthernet1/0/16  
!  
interface GigabitEthernet1/0/17  
!  
interface GigabitEthernet1/0/18  
!
```

```
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
!
interface GigabitEthernet1/0/23
!
interface GigabitEthernet1/0/24
description *** MOTOROLA PTP 600 TO RICCIUTI WATER TOWER ***
switchport trunk encapsulation dot1q
switchport trunk native vlan 671
switchport trunk allowed vlan 671
switchport mode trunk
!
interface GigabitEthernet1/0/25
!
interface GigabitEthernet1/0/26
!
interface GigabitEthernet1/0/27
!
interface GigabitEthernet1/0/28
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 666
switchport mode trunk
channel-group 1 mode active
!
interface GigabitEthernet2/0/1
!
interface GigabitEthernet2/0/2
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
!
interface GigabitEthernet2/0/5
!
interface GigabitEthernet2/0/6
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
!
interface GigabitEthernet2/0/9
!
interface GigabitEthernet2/0/10
!
interface GigabitEthernet2/0/11
!
interface GigabitEthernet2/0/12
!
interface GigabitEthernet2/0/13
```

```
!  
interface GigabitEthernet2/0/14  
!  
interface GigabitEthernet2/0/15  
!  
interface GigabitEthernet2/0/16  
!  
interface GigabitEthernet2/0/17  
!  
interface GigabitEthernet2/0/18  
!  
interface GigabitEthernet2/0/19  
!  
interface GigabitEthernet2/0/20  
!  
interface GigabitEthernet2/0/21  
!  
interface GigabitEthernet2/0/22  
!  
interface GigabitEthernet2/0/23  
!  
interface GigabitEthernet2/0/24  
!  
interface GigabitEthernet2/0/25  
!  
interface GigabitEthernet2/0/26  
!  
interface GigabitEthernet2/0/27  
!  
interface GigabitEthernet2/0/28  
    switchport trunk encapsulation dot1q  
    switchport trunk allowed vlan 666  
    switchport mode trunk  
    channel-group 1 mode active  
!  
interface Vlan1  
    no ip address  
!  
interface Vlan608  
    ip address 172.28.38.241 255.255.255.240  
!  
interface Vlan638  
    ip address 172.28.166.113 255.255.255.240  
!  
interface Vlan666  
    description *** 2GB FIBER LINKS TO CODDINGTON CORE ***  
    bandwidth 2000000  
    ip address 172.29.48.42 255.255.255.248  
    ip ospf message-digest-key 1 md5 7 083108405A2D5504022D075733  
    ip ospf network point-to-point  
!  
interface Vlan671  
    description *** 300MB MICROWAVE TO RICCIUTI WATER TOWER ***  
    bandwidth 300000
```

```
ip address 172.29.48.81 255.255.255.248
ip ospf message-digest-key 1 md5 7 071F65421D3D49160734005F1D
ip ospf network point-to-point
!
router ospf 1001
router-id 172.29.48.42
log-adjacency-changes
auto-cost reference-bandwidth 10000
area 0 authentication message-digest
passive-interface Vlan608
passive-interface Vlan638
network 172.28.38.240 0.0.0.15 area 0
network 172.28.166.112 0.0.0.15 area 0
network 172.29.48.0 0.0.0.255 area 0
!
ip classless
no ip http server
no ip http secure-server
!
!
ip sla enable reaction-alerts
!
!
vstack
banner login ^CC
***** Metro Boston Homeland Security Region (MBHSR) *****
***** PSnet: Public Safety Network (www.ps-net.org) *****
.
Authorized access only! All access is logged!
Notice: Any unauthorized use of this system is unlawful and
subject to civil and criminal penalties.
Disconnect immediately if not authorized to use this system!
.
^C
!
line con 0
exec-timeout 15 0
logging synchronous
line vty 0 4
privilege level 15
logging synchronous
transport input ssh
line vty 5 15
privilege level 15
logging synchronous
transport input ssh
!
ntp server 10.254.176.254
ntp server 10.254.66.254
ntp server 10.254.160.254 key 0 prefer
end
```

COD#sho clock  
\* 00:15:51.615 EDT Sat May 8 1993

COD#sho ver  
Cisco IOS Software, C3750 Software (C3750-IPSERVICESK9-M), Version  
12.2(55)SE12, RELEASE SOFTWARE (fc2)  
Technical Support: <http://www.cisco.com/techsupport>  
Copyright (c) 1986-2017 by Cisco Systems, Inc.  
Compiled Thu 28-Sep-17 02:29 by prod\_rel\_team  
Image text-base: 0x01000000, data-base: 0x02F00000

ROM: Bootstrap program is C3750 boot loader  
BOOTLDR: C3750 Boot Loader (C3750-HBOOT-M) Version 12.2(44)SE5, RELEASE  
SOFTWARE (fcl)

COD uptime is 9 weeks, 5 days, 4 hours, 38 minutes  
System returned to ROM by power-on  
System image file is "flash:c3750-ipervicesk9-mz.122-55.SE12.bin"

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:

<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

cisco WS-C3750G-12S (PowerPC405) processor (revision Z0) with 131072K bytes of memory.

Processor board ID FDO1514Y0KY

Last reset from power-on

9 Virtual Ethernet interfaces

24 Gigabit Ethernet interfaces

The password-recovery mechanism is enabled.

512K bytes of flash-simulated non-volatile configuration memory.

Base ethernet MAC Address : 1C:AA:07:DA:8E:80

Motherboard assembly number : 73-9678-14

Power supply part number : 341-0048-03

Motherboard serial number : FDO151416VF

Power supply serial number : LIT15100TP1

Model revision number : Z0

Motherboard revision number : A0

Model number : WS-C3750G-12S-S

System serial number : FDO1514Y0KY

Top Assembly Part Number : 800-25856-12  
 Top Assembly Revision Number : C0  
 Version ID : V14  
 CLEI Code Number : COMAF10BRA  
 Hardware Board Revision Number : 0x06

Switch Ports Model	SW Version	SW Image
-----	-----	-----
* 1 12 WS-C3750G-12S	12.2(55)SE12	C3750-IPSERVICESK9-M

Configuration register is 0xF

COD#sho inv

NAME: "1", DESCR: "WS-C3750G-12S"

PID: WS-C3750G-12S-S , VID: V14 , SN: FDO1514Y0KY

NAME: "GigabitEthernet1/0/1", DESCR: "1000BaseBX10-D SFP"

PID: GLC-BX-D , VID: V01 , SN: F176CO36219

NAME: "GigabitEthernet1/0/2", DESCR: "1000BaseBX10-D SFP"

PID: GLC-BX-D , VID: V01 , SN: F176CO36215

NAME: "GigabitEthernet1/0/3", DESCR: "1000BaseBX10-D SFP"

PID: GLC-BX-D , VID: V01 , SN: F176CO36218

NAME: "GigabitEthernet1/0/4", DESCR: "1000BaseBX10-D SFP"

PID: GLC-BX-D , VID: V01 , SN: F176CO36212

NAME: "GigabitEthernet1/0/5", DESCR: "1000BaseBX10-D SFP"

PID: GLC-BX-D , VID: V01 , SN: F176CO36216

NAME: "GigabitEthernet1/0/6", DESCR: "1000BaseBX10-D SFP"

PID: GLC-BX-D , VID: V01 , SN: F176CO36140

NAME: "GigabitEthernet1/0/7", DESCR: "1000BaseBX10-D SFP"

PID: GLC-BX-D , VID: V01 , SN: F176CO36138

NAME: "GigabitEthernet1/0/11", DESCR: "10/100/1000BaseTX SFP"

PID: Unspecified , VID: , SN: 1WT000131

NAME: "GigabitEthernet1/0/12", DESCR: "1000BaseSX SFP"

PID: GLC-SX-MMD , VID: V01 , SN: D8782606807

COD#sho switch

Switch/Stack Mac Address : 1caa.07da.8e80

Switch#	Role	Mac Address	Priority	H/W Version	Current State
-----	-----	-----	-----	-----	-----
* 1	Master	1caa.07da.8e80	15	0	Ready
2	Member	0000.0000.0000	0	0	Provisioned

COD#sho vlan

VLAN Name	Status	Ports
1. default	active	Gil/0/7, Gil/0/8, Gil/0/9 Gil/0/10, Gil/0/12
601 COD-RADIO	active	
631 COD-MGMT	active	
661 COD-QMC	active	
662 COD-PD	active	
663 COD-FD	active	
664 COD-NQHS	active	
665 COD-PT	active	
666 COD-CMS	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
601 enet	100601	1500	-	-	-	-	-	0	0
631 enet	100631	1500	-	-	-	-	-	0	0

VLAN Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
661 enet	100661	1500	-	-	-	-	-	0	0
662 enet	100662	1500	-	-	-	-	-	0	0
663 enet	100663	1500	-	-	-	-	-	0	0
664 enet	100664	1500	-	-	-	-	-	0	0
665 enet	100665	1500	-	-	-	-	-	0	0
666 enet	100666	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
---------	-----------	------	-------

COD#sho ip int br

Interface Protocol	IP-Address	OK?	Method	Status	
Vlan1 down	unassigned	YES	NVRAM	up	
Vlan601 down	172.28.38.241	YES	NVRAM	up	
Vlan631 down	172.28.166.225	YES	NVRAM	up	
Vlan661	172.29.48.1	YES	NVRAM	up	up
Vlan662	172.29.48.9	YES	NVRAM	up	up
Vlan663	172.29.48.17	YES	NVRAM	up	up
Vlan664	172.29.48.25	YES	NVRAM	up	up
Vlan665	172.29.48.33	YES	NVRAM	up	up
Vlan666	172.29.48.41	YES	NVRAM	up	up
GigabitEthernet1/0/1 down	unassigned	YES	unset	up	up
GigabitEthernet1/0/2 down	unassigned	YES	unset	up	up
GigabitEthernet1/0/3 down	unassigned	YES	unset	up	up
GigabitEthernet1/0/4 down	unassigned	YES	unset	up	up
GigabitEthernet1/0/5 down	unassigned	YES	unset	up	up
GigabitEthernet1/0/6 down	unassigned	YES	unset	up	up
GigabitEthernet1/0/7 down	unassigned	YES	unset	down	
GigabitEthernet1/0/8 down	unassigned	YES	unset	down	
GigabitEthernet1/0/9 down	unassigned	YES	unset	down	
GigabitEthernet1/0/10 down	unassigned	YES	unset	down	
GigabitEthernet1/0/11	172.16.1.160	YES	NVRAM	up	up
GigabitEthernet1/0/12 down	unassigned	YES	unset	down	
GigabitEthernet2/0/1 down	unassigned	YES	unset	down	
GigabitEthernet2/0/2 down	unassigned	YES	unset	down	
GigabitEthernet2/0/3 down	unassigned	YES	unset	down	
GigabitEthernet2/0/4 down	unassigned	YES	unset	down	
GigabitEthernet2/0/5 down	unassigned	YES	unset	down	
GigabitEthernet2/0/6 down	unassigned	YES	unset	down	
GigabitEthernet2/0/7 down	unassigned	YES	unset	down	
GigabitEthernet2/0/8 down	unassigned	YES	unset	down	
GigabitEthernet2/0/9 down	unassigned	YES	unset	down	
GigabitEthernet2/0/10 down	unassigned	YES	unset	down	
GigabitEthernet2/0/11 down	unassigned	YES	unset	down	

```

GigabitEthernet2/0/12  unassigned      YES unset  down
down
Port-channel1          unassigned      YES unset  up          up
Port-channel2          unassigned      YES unset  up          up
Port-channel3          unassigned      YES unset  up          up
Port-channel4          unassigned      YES unset  down
down
Port-channel5          unassigned      YES unset  up          up
Port-channel6          unassigned      YES unset  up          up
COD#sho mac
% Incomplete command.

```

```

COD#sho mac a
COD#sho mac add
COD#sho mac address-table
      Mac Address Table

```

```

-----

```

Vlan	Mac Address	Type	Ports
----	-----	-----	-----
All	0100.0ccc.cccc	STATIC	CPU
All	0100.0ccc.cccd	STATIC	CPU
All	0180.c200.0000	STATIC	CPU
All	0180.c200.0001	STATIC	CPU
All	0180.c200.0002	STATIC	CPU
All	0180.c200.0003	STATIC	CPU
All	0180.c200.0004	STATIC	CPU
All	0180.c200.0005	STATIC	CPU
All	0180.c200.0006	STATIC	CPU
All	0180.c200.0007	STATIC	CPU
All	0180.c200.0008	STATIC	CPU
All	0180.c200.0009	STATIC	CPU
All	0180.c200.000a	STATIC	CPU
All	0180.c200.000b	STATIC	CPU
All	0180.c200.000c	STATIC	CPU
All	0180.c200.000d	STATIC	CPU
All	0180.c200.000e	STATIC	CPU
All	0180.c200.000f	STATIC	CPU
All	0180.c200.0010	STATIC	CPU
All	ffff.ffff.ffff	STATIC	CPU
661	001c.0f94.5d9c	DYNAMIC	Po1
661	001c.0f94.5dc3	DYNAMIC	Po1
664	001a.a278.e3c3	DYNAMIC	Gi1/0/4
664	0064.4034.f799	DYNAMIC	Gi1/0/4
662	001a.6d60.021c	DYNAMIC	Po2
662	001a.6d60.0242	DYNAMIC	Po2
663	001a.6d39.009c	DYNAMIC	Po3
663	001a.6d39.00c1	DYNAMIC	Po3
666	001a.6d38.df1c	DYNAMIC	Po6
666	001a.6d38.df43	DYNAMIC	Po6
665	001a.6d38.ef9c	DYNAMIC	Po5
665	001a.e274.cb43	DYNAMIC	Po5

```

Total Mac Addresses for this criterion: 32
COD# sho startt

```

```
^
% Invalid input detected at '^' marker.

COD# sho start
Using 7205 out of 524288 bytes
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service linenumbers
service sequence-numbers
service unsupported-transceiver
!
hostname COD
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 050D1259351F0601371046
!
!
aaa new-model
!
!
!
!
!
aaa session-id common
clock timezone EST -5
clock summer-time EDT recurring
switch 1 provision ws-c3750g-12s
switch 2 provision ws-c3750g-12s
system mtu routing 1500
vtp mode transparent
ip routing
no ip domain-lookup
ip domain-name ps-net.org
ip host CMS 172.29.48.42
ip host PAGNANO 172.29.48.34
ip host NQHS 172.29.48.26
ip host FIRE 172.29.48.18
ip host POLICE 172.29.48.10
ip host QMC 172.29.48.2
ip name-server 10.254.192.1
!
!
ip vrf CITY-NETWORK
rd 10:10
```

```
!  
!  
!  
crypto pki trustpoint TP-self-signed-2424211712  
  enrollment selfsigned  
  subject-name cn=IOS-Self-Signed-Certificate-2424211712  
  revocation-check none  
  rsakeypair TP-self-signed-2424211712  
!  
!  
crypto pki certificate chain TP-self-signed-2424211712  
  certificate self-signed 01 nvram:IOS-Self-Sig#3232.cer  
!  
!  
!  
spanning-tree mode rapid-pvst  
spanning-tree loopguard default  
spanning-tree logging  
spanning-tree extend system-id  
!  
vlan internal allocation policy ascending  
!  
vlan 601  
  name COD-RADIO  
!  
vlan 631  
  name COD-MGMT  
!  
vlan 661  
  name COD-QMC  
!  
vlan 662  
  name COD-PD  
!  
vlan 663  
  name COD-FD  
!  
vlan 664  
  name COD-NQHS  
!  
vlan 665  
  name COD-PT  
!  
vlan 666  
  name COD-CMS  
!  
!  
!  
!  
interface Port-channel1  
  description ***2GB LAG TO QMC ***  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 661
```

```
    switchport mode trunk
!
interface Port-channel2
  description *** 2GB LAG TO PD ***
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 662
  switchport mode trunk
!
interface Port-channel3
  description *** 2GB LAG TO FD ***
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 663
  switchport mode trunk
!
interface Port-channel4
  description *** 2GB LAG TO NQHS ***
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 664
  switchport mode trunk
!
interface Port-channel5
  description *** 2GB LAG TO PT ***
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 665
  switchport mode trunk
!
interface Port-channel6
  description *** 2GB LAG TO CMS ***
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 666
  switchport mode trunk
!
interface GigabitEthernet1/0/1
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 661
  switchport mode trunk
  channel-group 1 mode active
!
interface GigabitEthernet1/0/2
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 662
  switchport mode trunk
  channel-group 2 mode active
!
interface GigabitEthernet1/0/3
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 663
  switchport mode trunk
  channel-group 3 mode active
!
interface GigabitEthernet1/0/4
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 664
  switchport mode trunk
```

```
channel-group 4 mode active
!
interface GigabitEthernet1/0/5
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 665
switchport mode trunk
channel-group 5 mode active
!
interface GigabitEthernet1/0/6
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 666
switchport mode trunk
channel-group 6 mode active
!
interface GigabitEthernet1/0/7
!
interface GigabitEthernet1/0/8
!
interface GigabitEthernet1/0/9
!
interface GigabitEthernet1/0/10
!
interface GigabitEthernet1/0/11
no switchport
ip vrf forwarding CITY-NETWORK
ip address 172.16.1.160 255.255.255.0
!
interface GigabitEthernet1/0/12
!
interface GigabitEthernet2/0/1
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 661
switchport mode trunk
channel-group 1 mode active
!
interface GigabitEthernet2/0/2
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 662
switchport mode trunk
channel-group 2 mode active
!
interface GigabitEthernet2/0/3
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 663
switchport mode trunk
channel-group 3 mode active
!
interface GigabitEthernet2/0/4
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 664
switchport mode trunk
channel-group 4 mode active
!
interface GigabitEthernet2/0/5
```

```
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 665
switchport mode trunk
channel-group 5 mode active
!
interface GigabitEthernet2/0/6
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 666
switchport mode trunk
channel-group 6 mode active
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
!
interface GigabitEthernet2/0/9
!
interface GigabitEthernet2/0/10
!
interface GigabitEthernet2/0/11
!
interface GigabitEthernet2/0/12
!
interface Vlan1
no ip address
!
interface Vlan601
ip address 172.28.38.241 255.255.255.240
!
interface Vlan631
ip address 172.28.166.225 255.255.255.224
!
interface Vlan661
bandwidth 2000000
ip address 172.29.48.1 255.255.255.248
ip ospf message-digest-key 1 md5 7 095C0A074A3147011B2A0F7932
ip ospf network point-to-point
!
interface Vlan662
bandwidth 2000000
ip address 172.29.48.9 255.255.255.248
ip ospf message-digest-key 1 md5 7 03141F05553B715F5E2F12560E
ip ospf network point-to-point
!
interface Vlan663
bandwidth 2000000
ip address 172.29.48.17 255.255.255.248
ip ospf message-digest-key 1 md5 7 15024F02571E7B3738153E710A
ip ospf network point-to-point
!
interface Vlan664
bandwidth 2000000
ip address 172.29.48.25 255.255.255.248
ip ospf message-digest-key 1 md5 7 095C0A074A3147011B2A0F7932
```

```
ip ospf network point-to-point
!
interface Vlan665
bandwidth 2000000
ip address 172.29.48.33 255.255.255.248
ip ospf message-digest-key 1 md5 7 140756055F307A38340E38663B
ip ospf network point-to-point
!
interface Vlan666
bandwidth 2000000
ip address 172.29.48.41 255.255.255.248
ip ospf message-digest-key 1 md5 7 044B4F085C151C5D193F0E440B
ip ospf network point-to-point
!
router ospf 1001
log-adjacency-changes
auto-cost reference-bandwidth 10000
area 0 authentication message-digest
passive-interface Vlan601
passive-interface Vlan631
network 172.28.38.240 0.0.0.15 area 0
network 172.28.166.224 0.0.0.31 area 0
network 172.29.48.0 0.0.0.255 area 0
!
ip classless
ip route vrf CITY-NETWORK 0.0.0.0 0.0.0.0 172.16.1.2
no ip http server
no ip http secure-server
!
!
!
!
vstack
banner login ^CC
***** Metro Boston Homeland Security Region (MBHSR) *****
***** PSnet: Public Safety Network (www.ps-net.org) *****
.
Authorized access only! All access is logged!
Notice: Any unauthorized use of this system is unlawful and
subject to civil and criminal penalties.
Disconnect immediately if not authorized to use this system!
.
^C
!
line con 0
logging synchronous
line vty 0 4
privilege level 15
logging synchronous
transport input ssh
line vty 5 15
privilege level 15
logging synchronous
transport input ssh
```

```
!  
ntp server 10.254.176.254  
ntp server 10.254.66.254  
ntp server 10.254.160.254 key 0 prefer  
end
```

```
COD#sho run  
Building configuration...
```

```
Current configuration : 8540 bytes
```

```
!  
version 12.2  
no service pad  
service tcp-keepalives-in  
service tcp-keepalives-out  
service timestamps debug datetime localtime show-timezone  
service timestamps log datetime msec localtime show-timezone  
service password-encryption  
service linenumbers  
service sequence-numbers  
service unsupported-transceiver  
!  
hostname COD  
!  
boot-start-marker  
boot-end-marker  
!  
no logging console  
!  
username ftgtech privilege 15 password 7 050D1259351F0601371046  
!  
!  
aaa new-model  
!  
!  
!  
!  
!  
aaa session-id common  
clock timezone EST -5  
clock summer-time EDT recurring  
switch 1 provision ws-c3750g-12s  
switch 2 provision ws-c3750g-12s  
system mtu routing 1500  
vtp mode transparent  
ip routing  
no ip domain-lookup  
ip domain-name ps-net.org  
ip host QMC 172.29.48.2  
ip host POLICE 172.29.48.10  
ip host FIRE 172.29.48.18  
ip host NQHS 172.29.48.26  
ip host PAGNANO 172.29.48.34  
ip host CMS 172.29.48.42
```

```
ip name-server 10.254.192.1
!
!
ip vrf CITY-NETWORK
 rd 10:10
!
!
!
crypto pki trustpoint TP-self-signed-2424211712
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-2424211712
 revocation-check none
 rsakeypair TP-self-signed-2424211712
!
!
crypto pki certificate chain TP-self-signed-2424211712
 certificate self-signed 01
 3082023F 308201A8 A0030201 02020101 300D0609 2A864886 F70D0101 04050030
 31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274
 69666963 6174652D 32343234 32313137 3132301E 170D3933 30333031 30303032
 30375A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649
 4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D32 34323432
 31313731 3230819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281
 8100C2C2 B490E3BE 4FB4E8E0 508C3C88 4C793DB4 2C70A584 92669E54 3A42C424
 95896FE0 0C4E6D6C 079B5DB7 E740B205 9CAE0616 4044A807 EF5EDF51D CFF3654A
 9F6FC8E6 7137BB12 17F4B8BB 3D8BE555 AC9C8A80 CF4440D0 F5EDF51D CFF3654A
 2E39BC80 D6C07F1E 5142CFB6 9C0EDBA5 39617D86 2B75179E 1A5D2C2F 61E193FF
 37730203 010001A3 67306530 0F060355 1D130101 FF040530 030101FF 30120603
 551D1104 0B300982 07537769 7463682E 301F0603 551D2304 18301680 149D9160
 960D7B0F 382DB1B8 66F9A49E 62B5DAEE 97301D06 03551D0E 04160414 9D916096
 0D7B0F38 2DB1B866 F9A49E62 B5DAEE97 300D0609 2A864886 F70D0101 04050003
 8181006A EA1F42EC 8C297F03 9F6327AF F6844BC2 24EA035E 6CEF25DC 76F3EC68
 94E245EF 362C499B BC2F4F23 01C2FA4B 09443449 078F852F 351977B3 061451BF
 6647D35F B8A74B74 014815EB CDD93135 61EE3B0A 049C1638 20A3871F D8B4F111
 2D56ABFA 89571E8D 855FC54F 98726E09 1B1A946C 3C0F62C6 35FE9557 2E173921
2DAB23
 quit
!
!
!
!
spanning-tree mode rapid-pvst
spanning-tree loopguard default
spanning-tree logging
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 601
 name COD-RADIO
!
vlan 631
 name COD-MGMT
!
```

```
vlan 661
  name COD-QMC
!
vlan 662
  name COD-PD
!
vlan 663
  name COD-FD
!
vlan 664
  name COD-NQHS
!
vlan 665
  name COD-PT
!
vlan 666
  name COD-CMS
!
!
!
!
interface Port-channel1
  description ***2GB LAG TO QMC ***
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 661
  switchport mode trunk
!
interface Port-channel2
  description *** 2GB LAG TO PD ***
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 662
  switchport mode trunk
!
interface Port-channel3
  description *** 2GB LAG TO FD ***
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 663
  switchport mode trunk
!
interface Port-channel4
  description *** 2GB LAG TO NQHS ***
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 664
  switchport mode trunk
!
interface Port-channel5
  description *** 2GB LAG TO PT ***
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 665
  switchport mode trunk
!
interface Port-channel6
  description *** 2GB LAG TO CMS ***
  switchport trunk encapsulation dot1q
```

```
switchport trunk allowed vlan 666
switchport mode trunk
!
interface GigabitEthernet1/0/1
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 661
switchport mode trunk
channel-group 1 mode active
!
interface GigabitEthernet1/0/2
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 662
switchport mode trunk
channel-group 2 mode active
!
interface GigabitEthernet1/0/3
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 663
switchport mode trunk
channel-group 3 mode active
!
interface GigabitEthernet1/0/4
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 664
switchport mode trunk
channel-group 4 mode active
!
interface GigabitEthernet1/0/5
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 665
switchport mode trunk
channel-group 5 mode active
!
interface GigabitEthernet1/0/6
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 666
switchport mode trunk
channel-group 6 mode active
!
interface GigabitEthernet1/0/7
!
interface GigabitEthernet1/0/8
!
interface GigabitEthernet1/0/9
!
interface GigabitEthernet1/0/10
!
interface GigabitEthernet1/0/11
no switchport
ip vrf forwarding CITY-NETWORK
ip address 172.16.1.160 255.255.255.0
!
interface GigabitEthernet1/0/12
!
```

```
interface GigabitEthernet2/0/1
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 661
  switchport mode trunk
  channel-group 1 mode active
!
interface GigabitEthernet2/0/2
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 662
  switchport mode trunk
  channel-group 2 mode active
!
interface GigabitEthernet2/0/3
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 663
  switchport mode trunk
  channel-group 3 mode active
!
interface GigabitEthernet2/0/4
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 664
  switchport mode trunk
  channel-group 4 mode active
!
interface GigabitEthernet2/0/5
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 665
  switchport mode trunk
  channel-group 5 mode active
!
interface GigabitEthernet2/0/6
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 666
  switchport mode trunk
  channel-group 6 mode active
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
!
interface GigabitEthernet2/0/9
!
interface GigabitEthernet2/0/10
!
interface GigabitEthernet2/0/11
!
interface GigabitEthernet2/0/12
!
interface Vlan1
  no ip address
!
interface Vlan601
  ip address 172.28.38.241 255.255.255.240
!
```

```
interface Vlan631
 ip address 172.28.166.225 255.255.255.224
!
interface Vlan661
 bandwidth 2000000
 ip address 172.29.48.1 255.255.255.248
 ip ospf message-digest-key 1 md5 7 095C0A074A3147011B2A0F7932
 ip ospf network point-to-point
!
interface Vlan662
 bandwidth 2000000
 ip address 172.29.48.9 255.255.255.248
 ip ospf message-digest-key 1 md5 7 03141F05553B715F5E2F12560E
 ip ospf network point-to-point
!
interface Vlan663
 bandwidth 2000000
 ip address 172.29.48.17 255.255.255.248
 ip ospf message-digest-key 1 md5 7 15024F02571E7B3738153E710A
 ip ospf network point-to-point
!
interface Vlan664
 bandwidth 2000000
 ip address 172.29.48.25 255.255.255.248
 ip ospf message-digest-key 1 md5 7 095C0A074A3147011B2A0F7932
 ip ospf network point-to-point
!
interface Vlan665
 bandwidth 2000000
 ip address 172.29.48.33 255.255.255.248
 ip ospf message-digest-key 1 md5 7 140756055F307A38340E38663B
 ip ospf network point-to-point
!
interface Vlan666
 bandwidth 2000000
 ip address 172.29.48.41 255.255.255.248
 ip ospf message-digest-key 1 md5 7 044B4F085C151C5D193F0E440B
 ip ospf network point-to-point
!
router ospf 1001
 log-adjacency-changes
 auto-cost reference-bandwidth 10000
 area 0 authentication message-digest
 passive-interface Vlan601
 passive-interface Vlan631
 network 172.28.38.240 0.0.0.15 area 0
 network 172.28.166.224 0.0.0.31 area 0
 network 172.29.48.0 0.0.0.255 area 0
!
 ip classless
 ip route vrf CITY-NETWORK 0.0.0.0 0.0.0.0 172.16.1.2
 no ip http server
 no ip http secure-server
!
```

```
!  
!  
!  
vstack  
banner login ^CC  
***** Metro Boston Homeland Security Region (MBHSR) *****  
***** PSnet: Public Safety Network (www.ps-net.org) *****  
.  
Authorized access only! All access is logged!  
Notice: Any unauthorized use of this system is unlawful and  
subject to civil and criminal penalties.  
Disconnect immediately if not authorized to use this system!  
.  
^C  
!  
line con 0  
logging synchronous  
line vty 0 4  
privilege level 15  
logging synchronous  
transport input ssh  
line vty 5 15  
privilege level 15  
logging synchronous  
transport input ssh  
!  
ntp server 10.254.176.254  
ntp server 10.254.66.254  
ntp server 10.254.160.254 key 0 prefer  
end
```

```
FD#sho clock
* 21:10:10.888 EDT Fri Sep 24 1993
FD# sho ver
Cisco IOS Software, C3750 Software (C3750-IPSERVICESK9-M), Version
12.2(55)SE12, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2017 by Cisco Systems, Inc.
Compiled Thu 28-Sep-17 02:29 by prod_rel_team
Image text-base: 0x01000000, data-base: 0x02F00000

ROM: Bootstrap program is C3750 boot loader
BOOTLDR: C3750 Boot Loader (C3750-HBOOT-M) Version 12.2(44)SE5, RELEASE
SOFTWARE (fcl)
```

```
FD uptime is 29 weeks, 5 days, 1 hour, 10 minutes
System returned to ROM by power-on
System image file is "flash:/c3750-ip-servicesk9-mz.122-55.SE12/c3750-
ip-servicesk9-mz.122-55.SE12.bin"
```

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:  
<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

```
cisco WS-C3750G-24TS-1U (PowerPC405) processor (revision D0) with 131072K
bytes of memory.
Processor board ID FOC1049Y263
Last reset from power-on
3 Virtual Ethernet interfaces
56 Gigabit Ethernet interfaces
The password-recovery mechanism is enabled.
```

```
512K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address      : 00:1A:6D:39:00:80
Motherboard assembly number    : 73-10219-07
Power supply part number      : 341-0098-02
Motherboard serial number     : FOC10490D7S
Power supply serial number     : AZS104700VB
Model revision number         : D0
Motherboard revision number   : B0
Model number                  : WS-C3750G-24TS-S1U
System serial number          : FOC1049Y263
```

Top Assembly Part Number : 800-26859-01  
Top Assembly Revision Number : B0  
Version ID : V03  
CLEI Code Number : CNMWS00ARC  
Hardware Board Revision Number : 0x09

Switch Ports Model	SW Version	SW Image
-----	-----	-----
* 1 28 WS-C3750G-24TS-1U	12.2(55)SE12	C3750-IPSERVICESK9-M
2 28 WS-C3750G-24TS-1U	12.2(55)SE12	C3750-IPSERVICESK9-M

Switch 02  
-----

Switch Uptime : 29 weeks, 5 days, 1 hour, 10 minutes  
Base ethernet MAC Address : 00:1A:A2:8F:9F:80  
Motherboard assembly number : 73-10219-07  
Power supply part number : 341-0098-02  
Motherboard serial number : FOC10515G1G  
Power supply serial number : AZS105005NM  
Model revision number : D0  
Motherboard revision number : B0  
Model number : WS-C3750G-24TS-S1U  
System serial number : FOC1052Y19N  
Top assembly part number : 800-26859-01  
Top assembly revision number : B0  
Version ID : V03  
CLEI Code Number : CNMWS00ARC

Configuration register is 0xF

FD# sho inv  
NAME: "1", DESCR: "WS-C3750G-24TS-1U"  
PID: WS-C3750G-24TS-S1U, VID: V03 , SN: FOC1049Y263

NAME: "GigabitEthernet1/0/28", DESCR: "1000BaseBX10-U SFP"  
PID: GLC-BX-U , VID: V02 , SN: D8790600468

NAME: "2", DESCR: "WS-C3750G-24TS-1U"  
PID: WS-C3750G-24TS-S1U, VID: V03 , SN: FOC1052Y19N

NAME: "GigabitEthernet2/0/28", DESCR: "1000BaseBX10-U SFP"  
PID: GLC-BX-U , VID: V02 , SN: D8790600461

FD#sho switch  
Switch/Stack Mac Address : 001a.6d39.0080

Switch#	Role	Mac Address	Priority	H/W Version	Current State
-----	-----	-----	-----	-----	-----
* 1	Master	001a.6d39.0080	15	0	Ready
2	Member	001a.a28f.9f80	14	0	Ready

FD# sho vlan

VLAN Name	Status	Ports
1. default	active	Gi1/0/25, Gi1/0/26, Gi1/0/27 Gi2/0/1, Gi2/0/2, Gi2/0/3 Gi2/0/4, Gi2/0/5, Gi2/0/6 Gi2/0/7, Gi2/0/8, Gi2/0/9 Gi2/0/10, Gi2/0/11, Gi2/0/12 Gi2/0/13, Gi2/0/14, Gi2/0/15 Gi2/0/16, Gi2/0/17, Gi2/0/18 Gi2/0/19, Gi2/0/20, Gi2/0/21 Gi2/0/22, Gi2/0/23, Gi2/0/24 Gi2/0/25, Gi2/0/26, Gi2/0/27

634 FD-MGMT	active	Gi2/0/28 Gi1/0/1, Gi1/0/2, Gi1/0/3 Gi1/0/4, Gi1/0/5, Gi1/0/6 Gi1/0/7, Gi1/0/8, Gi1/0/9 Gi1/0/10, Gi1/0/11, Gi1/0/12 Gi1/0/13, Gi1/0/14, Gi1/0/15 Gi1/0/16, Gi1/0/17, Gi1/0/18 Gi1/0/19, Gi1/0/20, Gi1/0/21 Gi1/0/22, Gi1/0/23,
-------------	--------	--

663 COD-FD	active	
------------	--------	--

VLAN Name	Status	Ports
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
634 enet	100634	1500	-	-	-	-	-	0	0
663 enet	100663	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
-----
-----

```

```

FD#          sho ip int br
Interface    IP-Address  OK? Method Status
Protocol
Vlan1        unassigned  YES NVRAM  administratively down
down
Vlan634      172.28.166.161 YES manual up
Vlan663      172.29.48.18  YES manual up
GigabitEthernet1/0/1 unassigned  YES unset up
GigabitEthernet1/0/2 unassigned  YES unset down
down
GigabitEthernet1/0/3 unassigned  YES unset down
down
GigabitEthernet1/0/4 unassigned  YES unset down
down
GigabitEthernet1/0/5 unassigned  YES unset down
down
GigabitEthernet1/0/6 unassigned  YES unset down
down
GigabitEthernet1/0/7 unassigned  YES unset down
down
GigabitEthernet1/0/8 unassigned  YES unset down
down
GigabitEthernet1/0/9 unassigned  YES unset down
down
GigabitEthernet1/0/10 unassigned YES unset down
down
GigabitEthernet1/0/11 unassigned YES unset down
down
GigabitEthernet1/0/12 unassigned YES unset down
down
GigabitEthernet1/0/13 unassigned YES unset down
down
GigabitEthernet1/0/14 unassigned YES unset down
down
GigabitEthernet1/0/15 unassigned YES unset down
down
GigabitEthernet1/0/16 unassigned YES unset down
down
GigabitEthernet1/0/17 unassigned YES unset down
down
GigabitEthernet1/0/18 unassigned YES unset down
down

```

GigabitEthernet1/0/19	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/20	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/21	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/22	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/23	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/24	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/25	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/26	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/27	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/28	unassigned	YES	unset	up	up
GigabitEthernet2/0/1	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/2	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/3	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/4	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/5	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/6	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/7	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/8	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/9	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/10	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/11	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/12	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/13	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/14	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/15	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/16	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/17	unassigned	YES	unset	down	
down					

```

GigabitEthernet2/0/18  unassigned      YES unset  down
down
GigabitEthernet2/0/19  unassigned      YES unset  down
down
GigabitEthernet2/0/20  unassigned      YES unset  down
down
GigabitEthernet2/0/21  unassigned      YES unset  down
down
GigabitEthernet2/0/22  unassigned      YES unset  down
down
GigabitEthernet2/0/23  unassigned      YES unset  down
down
GigabitEthernet2/0/24  unassigned      YES unset  down
down
GigabitEthernet2/0/25  unassigned      YES unset  down
down
GigabitEthernet2/0/26  unassigned      YES unset  down
down
GigabitEthernet2/0/27  unassigned      YES unset  down
down
GigabitEthernet2/0/28  unassigned      YES unset  down
down
Port-channel1          unassigned      YES unset  up

```

up

```

FD#          sho mac add
FD#          sho mac address-table
              Mac Address Table

```

-----

Vlan	Mac Address	Type	Ports
----	-----	-----	-----
All	0100.0ccc.cccc	STATIC	CPU
All	0100.0ccc.cccd	STATIC	CPU
All	0180.c200.0000	STATIC	CPU
All	0180.c200.0001	STATIC	CPU
All	0180.c200.0002	STATIC	CPU
All	0180.c200.0003	STATIC	CPU
All	0180.c200.0004	STATIC	CPU
All	0180.c200.0005	STATIC	CPU
All	0180.c200.0006	STATIC	CPU
All	0180.c200.0007	STATIC	CPU
All	0180.c200.0008	STATIC	CPU
All	0180.c200.0009	STATIC	CPU
All	0180.c200.000a	STATIC	CPU
All	0180.c200.000b	STATIC	CPU
All	0180.c200.000c	STATIC	CPU
All	0180.c200.000d	STATIC	CPU
All	0180.c200.000e	STATIC	CPU
All	0180.c200.000f	STATIC	CPU
All	0180.c200.0010	STATIC	CPU
All	ffff.ffff.ffff	STATIC	CPU
634	0020.d235.548f	DYNAMIC	Gi1/0/1
663	1caa.07da.8ec6	DYNAMIC	Po1

Total Mac Addresses for this criterion: 22

FD#sho start

```
Using 6621 out of 524288 bytes
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service linenumber
service sequence-numbers
service unsupported-transceiver
!
hostname FD
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
!
!
!
aaa session-id common
clock timezone EST -5
clock summer-time EDT recurring
switch 1 provision ws-c3750g-24ts-1u
switch 2 provision ws-c3750g-24ts-1u
system mtu routing 1500
vtp domain PSNET
vtp mode transparent
ip routing
no ip domain-lookup
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
!
!
!
crypto pki trustpoint TP-self-signed-1832452224
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1832452224
  revocation-check none
  rsakeypair TP-self-signed-1832452224
!
!
crypto pki certificate chain TP-self-signed-1832452224
  certificate self-signed 01 nvram:IOS-Self-Sig#3435.cer
```

```
!  
!  
!  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
vlan internal allocation policy ascending  
!  
vlan 634  
  name FD-MGMT  
!  
vlan 663  
  name COD-FD  
!  
!  
!  
!  
interface Port-channel1  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 663  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/1  
  switchport access vlan 634  
  switchport mode access  
  speed 100  
  duplex half  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/2  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/3  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/4  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/5  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/6  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!
```

```
interface GigabitEthernet1/0/7
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/8
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/9
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/10
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/11
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/12
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/13
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/14
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/15
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/16
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/17
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
```

```
!  
interface GigabitEthernet1/0/18  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/19  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/20  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/21  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/22  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/23  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/24  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/25  
!  
interface GigabitEthernet1/0/26  
!  
interface GigabitEthernet1/0/27  
!  
interface GigabitEthernet1/0/28  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 663  
  switchport mode trunk  
  channel-group 1 mode active  
!  
interface GigabitEthernet2/0/1  
!  
interface GigabitEthernet2/0/2  
!  
interface GigabitEthernet2/0/3  
!
```

```
interface GigabitEthernet2/0/4
!
interface GigabitEthernet2/0/5
!
interface GigabitEthernet2/0/6
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
!
interface GigabitEthernet2/0/9
!
interface GigabitEthernet2/0/10
!
interface GigabitEthernet2/0/11
!
interface GigabitEthernet2/0/12
!
interface GigabitEthernet2/0/13
!
interface GigabitEthernet2/0/14
!
interface GigabitEthernet2/0/15
!
interface GigabitEthernet2/0/16
!
interface GigabitEthernet2/0/17
!
interface GigabitEthernet2/0/18
!
interface GigabitEthernet2/0/19
!
interface GigabitEthernet2/0/20
!
interface GigabitEthernet2/0/21
!
interface GigabitEthernet2/0/22
!
interface GigabitEthernet2/0/23
!
interface GigabitEthernet2/0/24
!
interface GigabitEthernet2/0/25
!
interface GigabitEthernet2/0/26
!
interface GigabitEthernet2/0/27
!
interface GigabitEthernet2/0/28
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 663
  switchport mode trunk
  channel-group 1 mode active
!
```

```
interface Vlan1
  no ip address
  shutdown
!
interface Vlan634
  ip address 172.28.166.161 255.255.255.224
!
interface Vlan663
  description *** 2GB FIBER LINKS TO CODDINGTON CORE ***
  bandwidth 2000000
  ip address 172.29.48.18 255.255.255.248
  ip ospf message-digest-key 1 md5 7 12094119413F5C173A0D2F7B2A
  ip ospf network point-to-point
!
router ospf 1001
  log-adjacency-changes
  auto-cost reference-bandwidth 10000
  area 0 authentication message-digest
  passive-interface Vlan634
  network 172.28.166.160 0.0.0.31 area 0
  network 172.29.48.0 0.0.0.255 area 0
!
ip classless
no ip http server
no ip http secure-server
!
!
ip sla enable reaction-alerts
!
!
vstack
banner login ^CC
***** Metro Boston Homeland Security Region (MBHSR) *****
***** PSnet: Public Safety Network (www.ps-net.org) *****
.
Authorized access only! All access is logged!
Notice: Any unauthorized use of this system is unlawful and
        subject to civil and criminal penalties.
Disconnect immediately if not authorized to use this system!
.
^C
!
line con 0
  exec-timeout 15 0
  logging synchronous
line vty 0 4
  privilege level 15
  transport input ssh
line vty 5 15
  privilege level 15
  transport input ssh
!
ntp server 10.254.176.254
ntp server 10.254.66.254
```

```
ntp server 10.254.160.254 key 0 prefer
end
```

```
FD# sho run
Building configuration...
```

```
Current configuration : 7973 bytes
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service linenumbers
service sequence-numbers
service unsupported-transceiver
!
hostname FD
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
!
!
!
aaa session-id common
clock timezone EST -5
clock summer-time EDT recurring
switch 1 provision ws-c3750g-24ts-1u
switch 2 provision ws-c3750g-24ts-1u
system mtu routing 1500
vtp domain PSNET
vtp mode transparent
ip routing
no ip domain-lookup
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
!
!
!
crypto pki trustpoint TP-self-signed-1832452224
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1832452224
```

```
revocation-check none
rsakeypair TP-self-signed-1832452224
!
!
crypto pki certificate chain TP-self-signed-1832452224
certificate self-signed 01
 30820245 308201AE A0030201 02020101 300D0609 2A864886 F70D0101 04050030
 31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274
 69666963 6174652D 31383332 34353232 3234301E 170D3933 30333031 30303037
 32345A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649
 4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D31 38333234
 35323232 3430819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281
 8100B61E F6B01560 77FD6C0D 7875CD64 D9D6E869 9FA09F63 F05EF681 319B80AD
 5630B944 FBDE4A41 3E9A71E2 43A109A4 9DA1FB1C 14ED71C8 3CA18DD1 BCFC6669
 E2F15F0C C0F01B14 E3D042ED CD27874F 74CAC8EF 6FA2CA1B 312FCB9C FF2CAAC9
 2D4C7A50 A657BCBC 176212E7 DCAE4BEB 317C7E79 7C3B54BF 6BD4565C 2B1D69CC
 BB630203 010001A3 6D306B30 0F060355 1D130101 FF040530 030101FF 30180603
 551D1104 11300F82 0D46442E 70732D6E 65742E6F 7267301F 0603551D 23041830
 168014D4 C536597C 38A7F78C 2478755C 7B7254DD 9E00DC30 1D060355 1D0E0416
 0414D4C5 36597C38 A7F78C24 78755C7B 7254DD9E 00DC300D 06092A86 4886F70D
 01010405 00038181 0017096C 85D1F3C4 0776EF61 3DB0F3CB 5A016589 76B4D100
 38C54F31 A8F8A7D8 2E5A2789 E4F9B67E 0BE93BD9 BB7284C1 DB407398 40D5F282
 629DA1F4 EA47EA7E 6AA67AE7 FDB9CA20 B3F8E872 F0352F42 3BA5DD2D 9D4AB748
 743010EE 4889586F D3DF6CAA 9F5B991C 434E04DF 853C1BBB 89ED951E 1B16D853
 D2AE3043 CDC86DFC 8D
quit
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 634
 name FD-MGMT
!
vlan 663
 name COD-FD
!
!
!
!
interface Port-channel1
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 663
 switchport mode trunk
!
interface GigabitEthernet1/0/1
 switchport access vlan 634
 switchport mode access
 speed 100
 duplex half
 spanning-tree portfast
```

```
!  
interface GigabitEthernet1/0/2  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/3  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/4  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/5  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/6  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/7  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/8  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/9  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/10  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/11  
  switchport access vlan 634  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/12  
  switchport access vlan 634  
  switchport mode access
```

```
spanning-tree portfast
!
interface GigabitEthernet1/0/13
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/14
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/15
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/16
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/17
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/18
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/19
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/20
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/21
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/22
  switchport access vlan 634
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/23
  switchport access vlan 634
```

```
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/24
switchport access vlan 634
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/25
!
interface GigabitEthernet1/0/26
!
interface GigabitEthernet1/0/27
!
interface GigabitEthernet1/0/28
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 663
switchport mode trunk
channel-group 1 mode active
!
interface GigabitEthernet2/0/1
!
interface GigabitEthernet2/0/2
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
!
interface GigabitEthernet2/0/5
!
interface GigabitEthernet2/0/6
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
!
interface GigabitEthernet2/0/9
!
interface GigabitEthernet2/0/10
!
interface GigabitEthernet2/0/11
!
interface GigabitEthernet2/0/12
!
interface GigabitEthernet2/0/13
!
interface GigabitEthernet2/0/14
!
interface GigabitEthernet2/0/15
!
interface GigabitEthernet2/0/16
!
interface GigabitEthernet2/0/17
!
```

```
interface GigabitEthernet2/0/18
!
interface GigabitEthernet2/0/19
!
interface GigabitEthernet2/0/20
!
interface GigabitEthernet2/0/21
!
interface GigabitEthernet2/0/22
!
interface GigabitEthernet2/0/23
!
interface GigabitEthernet2/0/24
!
interface GigabitEthernet2/0/25
!
interface GigabitEthernet2/0/26
!
interface GigabitEthernet2/0/27
!
interface GigabitEthernet2/0/28
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 663
  switchport mode trunk
  channel-group 1 mode active
!
interface Vlan1
  no ip address
  shutdown
!
interface Vlan634
  ip address 172.28.166.161 255.255.255.224
!
interface Vlan663
  description *** 2GB FIBER LINKS TO CODDINGTON CORE ***
  bandwidth 2000000
  ip address 172.29.48.18 255.255.255.248
  ip ospf message-digest-key 1 md5 7 12094119413F5C173A0D2F7B2A
  ip ospf network point-to-point
!
router ospf 1001
  log-adjacency-changes
  auto-cost reference-bandwidth 10000
  area 0 authentication message-digest
  passive-interface Vlan634
  network 172.28.166.160 0.0.0.31 area 0
  network 172.29.48.0 0.0.0.255 area 0
!
ip classless
no ip http server
no ip http secure-server
!
!
ip sla enable reaction-alerts
```

```
!  
!  
vstack  
banner login ^CC  
***** Metro Boston Homeland Security Region (MBHSR) *****  
***** PSnet: Public Safety Network (www.ps-net.org) *****  
.  
Authorized access only! All access is logged!  
Notice: Any unauthorized use of this system is unlawful and  
subject to civil and criminal penalties.  
Disconnect immediately if not authorized to use this system!  
.  
^C  
!  
line con 0  
  exec-timeout 15 0  
  logging synchronous  
line vty 0 4  
  privilege level 15  
  transport input ssh  
line vty 5 15  
  privilege level 15  
  transport input ssh  
!  
ntp server 10.254.176.254  
ntp server 10.254.66.254  
ntp server 10.254.160.254 key 0 prefer  
end
```

```
NQHS-TRANSIT-SW#sho clock
* 21:41:31.200 UTC Mon Apr 12 1993
NQHS-TRANSIT-SW#sho ver
Cisco IOS Software, C3750 Software (C3750-IPSERVICESK9-M), Version
12.2(55)SE12, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2017 by Cisco Systems, Inc.
Compiled Thu 28-Sep-17 02:29 by prod_rel_team
Image text-base: 0x01000000, data-base: 0x02F00000

ROM: Bootstrap program is C3750 boot loader
BOOTLDR: C3750 Boot Loader (C3750-HBOOT-M) Version 12.2(44)SE5, RELEASE
SOFTWARE (fc1)
```

```
NQHS-TRANSIT-SW uptime is 6 weeks, 21 hours, 41 minutes
System returned to ROM by power-on
System image file is "flash:/c3750-ip-servicesk9-mz.122-55.SE12/c3750-
ip-servicesk9-mz.122-55.SE12.bin"
```

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:

<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

```
cisco WS-C3750G-24TS-1U (PowerPC405) processor (revision F0) with 131072K
bytes of memory.
Processor board ID FOC1350Y6HD
Last reset from power-on
2 Virtual Ethernet interfaces
28 Gigabit Ethernet interfaces
The password-recovery mechanism is enabled.
```

512K bytes of flash-simulated non-volatile configuration memory.

```
Base ethernet MAC Address       : 00:64:40:34:F7:80
Motherboard assembly number     : 73-10219-07
Power supply part number        : 341-0098-02
Motherboard serial number       : FOC1350550Q
Power supply serial number       : AZS134706CZ
Model revision number           : F0
Motherboard revision number     : E0
Model number                     : WS-C3750G-24TS-S1U
System serial number            : FOC1350Y6HD
```

```

Top Assembly Part Number      : 800-26859-01
Top Assembly Revision Number  : E0
Version ID                    : V03
CLEI Code Number              : CNMWS00ARC
Hardware Board Revision Number : 0x09

```

```

Switch Ports Model          SW Version          SW Image
-----
*  1 28    WS-C3750G-24TS-1U  12.2(55)SE12      C3750-IPSERVICESK9-M

```

Configuration register is 0xF

```

NQHS-TRANSIT-SW#          sho inv
NAME: "1", DESCR: "WS-C3750G-24TS-1U"
PID: WS-C3750G-24TS-S1U, VID: V03 , SN: FOC1350Y6HD

NAME: "GigabitEthernet1/0/25", DESCR: "1000BaseBX10-U SFP"
PID: GLC-BX-U , VID: V02 , SN: D8790600455

NAME: "GigabitEthernet1/0/26", DESCR: "unsupported"
PID: Unspecified , VID: , SN: PF244BP

```

```

NQHS-TRANSIT-SW#sho switch
Switch/Stack Mac Address : 0064.4034.f780

Switch#  Role  Mac Address          Priority  H/W  Current State
-----
*  1      Master 0064.4034.f780    1        0    Ready

```

```

NQHS-TRANSIT-SW#sho vlan

VLAN Name                Status    Ports
-----
1. default                active    Gi1/0/1, Gi1/0/2, Gi1/0/3
                        Gi1/0/4, Gi1/0/5, Gi1/0/6
                        Gi1/0/7, Gi1/0/8, Gi1/0/9
                        Gi1/0/10, Gi1/0/11,
Gi1/0/12
                        Gi1/0/13, Gi1/0/14,
Gi1/0/15
                        Gi1/0/16, Gi1/0/17,
Gi1/0/18
                        Gi1/0/19, Gi1/0/20,
Gi1/0/21
                        Gi1/0/22, Gi1/0/23,
Gi1/0/24
                        Gi1/0/27, Gi1/0/28
605 VLAN0605              active
664 VLAN0664              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
605	enet	100605	1500	-	-	-	-	-	0	0

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
664	enet	100664	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

```

NQHS-TRANSIT-SW#sho ip int br
Interface          IP-Address      OK? Method Status
Protocol
Vlan1              unassigned      YES unset  up
Vlan664            172.29.48.27   YES manual up
GigabitEthernet1/0/1 unassigned      YES unset  down
down
GigabitEthernet1/0/2 unassigned      YES unset  down
down
GigabitEthernet1/0/3 unassigned      YES unset  down
down
GigabitEthernet1/0/4 unassigned      YES unset  down
down
GigabitEthernet1/0/5 unassigned      YES unset  down
down
GigabitEthernet1/0/6 unassigned      YES unset  down
down
GigabitEthernet1/0/7 unassigned      YES unset  down
down
GigabitEthernet1/0/8 unassigned      YES unset  down
down
GigabitEthernet1/0/9 unassigned      YES unset  down
down

```

```

GigabitEthernet1/0/10  unassigned      YES unset  down
down
GigabitEthernet1/0/11  unassigned      YES unset  down
down
GigabitEthernet1/0/12  unassigned      YES unset  down
down
GigabitEthernet1/0/13  unassigned      YES unset  down
down
GigabitEthernet1/0/14  unassigned      YES unset  down
down
GigabitEthernet1/0/15  unassigned      YES unset  down
down
GigabitEthernet1/0/16  unassigned      YES unset  down
down
GigabitEthernet1/0/17  unassigned      YES unset  down
down
GigabitEthernet1/0/18  unassigned      YES unset  down
down
GigabitEthernet1/0/19  unassigned      YES unset  down
down
GigabitEthernet1/0/20  unassigned      YES unset  down
down
GigabitEthernet1/0/21  unassigned      YES unset  down
down
GigabitEthernet1/0/22  unassigned      YES unset  down
down
GigabitEthernet1/0/23  unassigned      YES unset  down
down
GigabitEthernet1/0/24  unassigned      YES unset  down
down
GigabitEthernet1/0/25  unassigned      YES unset  up
GigabitEthernet1/0/26  unassigned      YES unset  up
GigabitEthernet1/0/27  unassigned      YES unset  down
down
GigabitEthernet1/0/28  unassigned      YES unset  down
down

```

```

up
up

```

```

NQHS-TRANSIT-SW#      sho mac a
NQHS-TRANSIT-SW#      sho mac ad
NQHS-TRANSIT-SW#      sho mac address-table

```

Mac Address Table

-----

Vlan	Mac Address	Type	Ports
----	-----	-----	-----
All	0100.0ccc.cccc	STATIC	CPU
All	0100.0ccc.cccd	STATIC	CPU
All	0180.c200.0000	STATIC	CPU
All	0180.c200.0001	STATIC	CPU
All	0180.c200.0002	STATIC	CPU
All	0180.c200.0003	STATIC	CPU
All	0180.c200.0004	STATIC	CPU
All	0180.c200.0005	STATIC	CPU
All	0180.c200.0006	STATIC	CPU
All	0180.c200.0007	STATIC	CPU

```

All      0180.c200.0008      STATIC      CPU
All      0180.c200.0009      STATIC      CPU
All      0180.c200.000a      STATIC      CPU
All      0180.c200.000b      STATIC      CPU
All      0180.c200.000c      STATIC      CPU
All      0180.c200.000d      STATIC      CPU
All      0180.c200.000e      STATIC      CPU
All      0180.c200.000f      STATIC      CPU
All      0180.c200.0010      STATIC      CPU
All      ffff.ffff.ffff      STATIC      CPU
    1. 001a.a278.e39c      DYNAMIC     Gi1/0/26
    1. 1caa.07da.8e84      DYNAMIC     Gi1/0/25
664     001a.a278.e39c      DYNAMIC     Gi1/0/26
664     001a.a278.e3c3      DYNAMIC     Gi1/0/26
664     1caa.07da.8ec7      DYNAMIC     Gi1/0/25
Total Mac Addresses for this criterion: 25
NQHS-TRANSIT-SW#   sho a
NQHS-TRANSIT-SW#   sho ar
NQHS-TRANSIT-SW#sho start
Using 2195 out of 524288 bytes
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service linenumber
service sequence-numbers
service unsupported-transceiver
!
hostname NQHS-TRANSIT-SW
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
!
!
!
aaa session-id common
switch 1 provision ws-c3750g-24ts-1u
system mtu routing 1500
vtp mode transparent
ip domain-name ps-net.org
ip name-server 10.254.192.1

```

```
!  
!  
!  
!  
!  
!  
!  
!  
no errdisable detect cause gbic-invalid  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
vlan internal allocation policy ascending  
!  
vlan 605,664  
!  
!  
!  
interface GigabitEthernet1/0/1  
!  
interface GigabitEthernet1/0/2  
!  
interface GigabitEthernet1/0/3  
!  
interface GigabitEthernet1/0/4  
!  
interface GigabitEthernet1/0/5  
!  
interface GigabitEthernet1/0/6  
!  
interface GigabitEthernet1/0/7  
!  
interface GigabitEthernet1/0/8  
!  
interface GigabitEthernet1/0/9  
!  
interface GigabitEthernet1/0/10  
!  
interface GigabitEthernet1/0/11  
!  
interface GigabitEthernet1/0/12  
!  
interface GigabitEthernet1/0/13  
!  
interface GigabitEthernet1/0/14  
!  
interface GigabitEthernet1/0/15  
!  
interface GigabitEthernet1/0/16  
!  
interface GigabitEthernet1/0/17  
!  
interface GigabitEthernet1/0/18
```

```
!  
interface GigabitEthernet1/0/19  
!  
interface GigabitEthernet1/0/20  
!  
interface GigabitEthernet1/0/21  
!  
interface GigabitEthernet1/0/22  
!  
interface GigabitEthernet1/0/23  
!  
interface GigabitEthernet1/0/24  
!  
interface GigabitEthernet1/0/25  
    switchport trunk encapsulation dot1q  
    switchport mode trunk  
!  
interface GigabitEthernet1/0/26  
    switchport trunk encapsulation dot1q  
    switchport mode trunk  
!  
interface GigabitEthernet1/0/27  
!  
interface GigabitEthernet1/0/28  
!  
interface Vlan1  
    no ip address  
!  
interface Vlan664  
    ip address 172.29.48.27 255.255.255.248  
!  
ip classless  
ip http server  
ip http secure-server  
!  
!  
!  
vstack  
!  
line con 0  
    logging synchronous  
line vty 0 4  
    privilege level 15  
    transport input ssh  
line vty 5 15  
    privilege level 15  
    transport input ssh  
!  
end
```

```
NQHS-TRANSIT-SW#          sho run  
Building configuration...
```

Current configuration : 2195 bytes

```
!  
version 12.2  
no service pad  
service tcp-keepalives-in  
service tcp-keepalives-out  
service timestamps debug datetime localtime show-timezone  
service timestamps log datetime msec localtime show-timezone  
service password-encryption  
service linenumbers  
service sequence-numbers  
service unsupported-transceiver  
!  
hostname NQHS-TRANSIT-SW  
!  
boot-start-marker  
boot-end-marker  
!  
no logging console  
!  
username ftgtech privilege 15 password 7 121F11410658440C043E75  
!  
!  
aaa new-model  
!  
!  
!  
!  
aaa session-id common  
switch 1 provision ws-c3750g-24ts-1u  
system mtu routing 1500  
vtp mode transparent  
ip domain-name ps-net.org  
ip name-server 10.254.192.1  
!  
!  
!  
!  
!  
!  
!  
no errdisable detect cause gbic-invalid  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
vlan internal allocation policy ascending  
!  
vlan 605,664  
!  
!  
!  
!
```

```
interface GigabitEthernet1/0/1
!
interface GigabitEthernet1/0/2
!
interface GigabitEthernet1/0/3
!
interface GigabitEthernet1/0/4
!
interface GigabitEthernet1/0/5
!
interface GigabitEthernet1/0/6
!
interface GigabitEthernet1/0/7
!
interface GigabitEthernet1/0/8
!
interface GigabitEthernet1/0/9
!
interface GigabitEthernet1/0/10
!
interface GigabitEthernet1/0/11
!
interface GigabitEthernet1/0/12
!
interface GigabitEthernet1/0/13
!
interface GigabitEthernet1/0/14
!
interface GigabitEthernet1/0/15
!
interface GigabitEthernet1/0/16
!
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
!
interface GigabitEthernet1/0/23
!
interface GigabitEthernet1/0/24
!
interface GigabitEthernet1/0/25
  switchport trunk encapsulation dot1q
  switchport mode trunk
!
interface GigabitEthernet1/0/26
  switchport trunk encapsulation dot1q
```

```
    switchport mode trunk
!
interface GigabitEthernet1/0/27
!
interface GigabitEthernet1/0/28
!
interface Vlan1
  no ip address
!
interface Vlan664
  ip address 172.29.48.27 255.255.255.248
!
ip classless
ip http server
ip http secure-server
!
!
!
!
vstack
!
line con 0
  logging synchronous
line vty 0 4
  privilege level 15
  transport input ssh
line vty 5 15
  privilege level 15
  transport input ssh
!
end
```

```
PD#sho clock
.14:10:25.217 EDT Tue Jun 5 2018
PD#sho ver
Cisco IOS Software, C3750 Software (C3750-IPSERVICESK9-M), Version
12.2(55)SE12, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2017 by Cisco Systems, Inc.
Compiled Thu 28-Sep-17 02:29 by prod_rel_team
Image text-base: 0x01000000, data-base: 0x02F00000
```

```
ROM: Bootstrap program is C3750 boot loader
BOOTLDR: C3750 Boot Loader (C3750-HBOOT-M) Version 12.2(44)SE5, RELEASE
SOFTWARE (fc1)
```

```
PD uptime is 28 weeks, 5 days, 1 hour, 31 minutes
System returned to ROM by power-on
System restarted at 11:38:43 EST Thu Nov 16 2017
System image file is "flash:/c3750-ip-servicesk9-mz.122-55.SE12/c3750-
ip-servicesk9-mz.122-55.SE12.bin"
```

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:  
<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

```
cisco WS-C3750G-24TS-1U (PowerPC405) processor (revision D0) with 131072K
bytes of memory.
Processor board ID FOC1049Y392
Last reset from power-on
4 Virtual Ethernet interfaces
56 Gigabit Ethernet interfaces
The password-recovery mechanism is enabled.
```

512K bytes of flash-simulated non-volatile configuration memory.

```
Base ethernet MAC Address      : 00:1A:6D:60:02:00
Motherboard assembly number    : 73-10219-07
Power supply part number       : 341-0098-02
Motherboard serial number      : FOC10490DG0
Power supply serial number     : DCA10449248
Model revision number          : D0
Motherboard revision number    : B0
Model number                   : WS-C3750G-24TS-S1U
```

System serial number : FOC1049Y392  
Top Assembly Part Number : 800-26859-01  
Top Assembly Revision Number : B0  
Version ID : V03  
CLEI Code Number : CNMWS00ARC  
Hardware Board Revision Number : 0x09

Switch Ports Model	SW Version	SW Image
* 1 28 WS-C3750G-24TS-1U	12.2(55)SE12	C3750-IPSERVICESK9-M
2 28 WS-C3750G-24TS-1U	12.2(55)SE12	C3750-IPSERVICESK9-M

Switch 02

Switch Uptime : 28 weeks, 5 days, 1 hour, 31 minutes  
Base ethernet MAC Address : 34:A8:4E:79:0C:80  
Motherboard assembly number : 73-10219-10  
Power supply part number : 341-0098-02  
Motherboard serial number : FOC1634GRQF  
Power supply serial number : ALD1625A1SN  
Model revision number : L0  
Motherboard revision number : A0  
Model number : WS-C3750G-24TS-S1U  
System serial number : FOC1636V09H  
Top assembly part number : 800-26859-04  
Top assembly revision number : A0  
Version ID : V07  
CLEI Code Number : COMB600BRC

Configuration register is 0xF

PD# sho inv

NAME: "1", DESCR: "WS-C3750G-24TS-1U"  
PID: WS-C3750G-24TS-S1U, VID: V03 , SN: FOC1049Y392

NAME: "GigabitEthernet1/0/28", DESCR: "1000BaseBX10-U SFP"  
PID: GLC-BX-U , VID: V02 , SN: D8790600467

NAME: "2", DESCR: "WS-C3750G-24TS-1U"  
PID: WS-C3750G-24TS-S1U, VID: V07 , SN: FOC1636V09H

NAME: "GigabitEthernet2/0/28", DESCR: "1000BaseBX10-U SFP"  
PID: GLC-BX-U , VID: V02 , SN: D8790600469

PD#sho switch

Switch/Stack Mac Address : 001a.6d60.0200

Switch#	Role	Mac Address	Priority	H/W Version	Current State
* 1	Master	001a.6d60.0200	15	0	Ready
2	Member	34a8.4e79.0c80	14	0	Ready

PD#sho vlan

VLAN Name	Status	Ports
1. default	active	Gi1/0/13, Gi1/0/14, Gi1/0/15 Gi1/0/16, Gi1/0/17, Gi1/0/18 Gi1/0/19, Gi1/0/20, Gi1/0/21 Gi1/0/22, Gi1/0/23, Gi1/0/25 Gi1/0/26, Gi1/0/27, Gi2/0/1 Gi2/0/2, Gi2/0/3, Gi2/0/4 Gi2/0/5, Gi2/0/6, Gi2/0/7 Gi2/0/8, Gi2/0/9, Gi2/0/10 Gi2/0/11, Gi2/0/12, Gi2/0/13 Gi2/0/14, Gi2/0/15, Gi2/0/16 Gi2/0/17, Gi2/0/18, Gi2/0/19 Gi2/0/20, Gi2/0/21, Gi2/0/22 Gi2/0/23, Gi2/0/24, Gi2/0/25 Gi2/0/26, Gi2/0/27, Gi2/0/28
633 PD-MGMT	active	Gi1/0/1, Gi1/0/2, Gi1/0/3 Gi1/0/4, Gi1/0/5, Gi1/0/6 Gi1/0/7, Gi1/0/8, Gi1/0/9 Gi1/0/10, Gi1/0/11,
Gi1/0/12		
662 COD-PD	active	
667 QMC-PD	active	

VLAN Name	Status	Ports
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
633 enet	100633	1500	-	-	-	-	-	0	0
662 enet	100662	1500	-	-	-	-	-	0	0
667 enet	100667	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

-----  
 ----

```

PD#    sho ip int br
Interface          IP-Address      OK? Method Status
Protocol
Vlan1              unassigned      YES NVRAM  administratively down
down
Vlan633            172.28.166.193 YES NVRAM  up          up
Vlan662            172.29.48.10   YES NVRAM  up          up
Vlan667            172.29.48.50   YES NVRAM  up          up
GigabitEthernet1/0/1 unassigned      YES unset  up          up
GigabitEthernet1/0/2 unassigned      YES unset  down
down
GigabitEthernet1/0/3 unassigned      YES unset  down
down
GigabitEthernet1/0/4 unassigned      YES unset  down
down
GigabitEthernet1/0/5 unassigned      YES unset  down
down
GigabitEthernet1/0/6 unassigned      YES unset  down
down
GigabitEthernet1/0/7 unassigned      YES unset  down
down
GigabitEthernet1/0/8 unassigned      YES unset  down
down
GigabitEthernet1/0/9 unassigned      YES unset  down
down
GigabitEthernet1/0/10 unassigned      YES unset  down
down
GigabitEthernet1/0/11 unassigned      YES unset  down
down
GigabitEthernet1/0/12 unassigned      YES unset  down
down
GigabitEthernet1/0/13 unassigned      YES unset  down
down
GigabitEthernet1/0/14 unassigned      YES unset  down
down
GigabitEthernet1/0/15 unassigned      YES unset  down
down
GigabitEthernet1/0/16 unassigned      YES unset  down
down

```

GigabitEthernet1/0/17	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/18	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/19	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/20	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/21	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/22	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/23	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/24	unassigned	YES	unset	up	up
GigabitEthernet1/0/25	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/26	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/27	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/28	unassigned	YES	unset	up	up
GigabitEthernet2/0/1	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/2	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/3	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/4	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/5	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/6	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/7	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/8	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/9	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/10	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/11	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/12	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/13	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/14	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/15	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/16	unassigned	YES	unset	down	
down					

```

GigabitEthernet2/0/17  unassigned      YES unset  down
down
GigabitEthernet2/0/18  unassigned      YES unset  down
down
GigabitEthernet2/0/19  unassigned      YES unset  down
down
GigabitEthernet2/0/20  unassigned      YES unset  down
down
GigabitEthernet2/0/21  unassigned      YES unset  down
down
GigabitEthernet2/0/22  unassigned      YES unset  down
down
GigabitEthernet2/0/23  unassigned      YES unset  down
down
GigabitEthernet2/0/24  unassigned      YES unset  down
down
GigabitEthernet2/0/25  unassigned      YES unset  down
down
GigabitEthernet2/0/26  unassigned      YES unset  down
down
GigabitEthernet2/0/27  unassigned      YES unset  down
down
GigabitEthernet2/0/28  unassigned      YES unset  down
down
Port-channel1          unassigned      YES unset  up
PD#                    sho mac add
PD#                    sho mac address-table
Mac Address Table

```

```

-----
Vlan      Mac Address      Type      Ports
----      -
All       0100.0ccc.cccc   STATIC    CPU
All       0100.0ccc.cccd   STATIC    CPU
All       0180.c200.0000   STATIC    CPU
All       0180.c200.0001   STATIC    CPU
All       0180.c200.0002   STATIC    CPU
All       0180.c200.0003   STATIC    CPU
All       0180.c200.0004   STATIC    CPU
All       0180.c200.0005   STATIC    CPU
All       0180.c200.0006   STATIC    CPU
All       0180.c200.0007   STATIC    CPU
All       0180.c200.0008   STATIC    CPU
All       0180.c200.0009   STATIC    CPU
All       0180.c200.000a   STATIC    CPU
All       0180.c200.000b   STATIC    CPU
All       0180.c200.000c   STATIC    CPU
All       0180.c200.000d   STATIC    CPU
All       0180.c200.000e   STATIC    CPU
All       0180.c200.000f   STATIC    CPU
All       0180.c200.0010   STATIC    CPU
All       ffff.ffff.ffff   STATIC    CPU
633      0020.d235.5127   DYNAMIC   Gi1/0/1
662      1caa.07da.8ec5   DYNAMIC   Po1

```

```
667    001c.0f94.5d97    DYNAMIC    Gi1/0/24
667    001c.0f94.5dc4    DYNAMIC    Gi1/0/24
Total Mac Addresses for this criterion: 24
PD#      sho start
Using 6305 out of 524288 bytes
!
! Last configuration change at 10:32:42 EDT Mon Jun 4 2018
! NVRAM config last updated at 10:39:23 EDT Mon Jun 4 2018
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service linenumbers
service sequence-numbers
service unsupported-transceiver
!
hostname PD
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
!
!
!
aaa session-id common
clock timezone EST -5
clock summer-time EDT recurring
switch 1 provision ws-c3750g-24ts-1u
switch 2 provision ws-c3750g-24ts-1u
system mtu routing 1500
vtp domain PSNET
vtp mode transparent
authentication mac-move permit
ip routing
no ip domain-lookup
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
!
!
!
crypto pki trustpoint TP-self-signed-1835008512
```

```
enrollment selfsigned
subject-name cn=IOS-Self-Signed-Certificate-1835008512
revocation-check none
rsakeypair TP-self-signed-1835008512
!
!
crypto pki certificate chain TP-self-signed-1835008512
certificate self-signed 01 nvram:IOS-Self-Sig#3233.cer
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 633
name PD-MGMT
!
vlan 662
name COD-PD
!
vlan 667
name QMC-PD
!
!
!
!
interface Port-channel1
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 662
switchport mode trunk
!
interface GigabitEthernet1/0/1
description *** PD IP MUX ***
switchport access vlan 633
switchport mode access
speed 100
duplex full
spanning-tree portfast
!
interface GigabitEthernet1/0/2
switchport access vlan 633
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/3
switchport access vlan 633
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/4
switchport access vlan 633
switchport mode access
```

```
    spanning-tree portfast
!
interface GigabitEthernet1/0/5
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/6
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/7
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/8
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/9
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/10
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/11
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/12
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/13
!
interface GigabitEthernet1/0/14
!
interface GigabitEthernet1/0/15
!
interface GigabitEthernet1/0/16
!
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
```

```
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
!
interface GigabitEthernet1/0/23
!
interface GigabitEthernet1/0/24
  description *** MOTOROLA PTP 600 TO QMC ***
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 667
  switchport trunk allowed vlan 667
  switchport mode trunk
!
interface GigabitEthernet1/0/25
!
interface GigabitEthernet1/0/26
!
interface GigabitEthernet1/0/27
!
interface GigabitEthernet1/0/28
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 662
  switchport mode trunk
  channel-group 1 mode active
!
interface GigabitEthernet2/0/1
!
interface GigabitEthernet2/0/2
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
!
interface GigabitEthernet2/0/5
!
interface GigabitEthernet2/0/6
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
!
interface GigabitEthernet2/0/9
!
interface GigabitEthernet2/0/10
!
interface GigabitEthernet2/0/11
!
interface GigabitEthernet2/0/12
!
interface GigabitEthernet2/0/13
```

```
!  
interface GigabitEthernet2/0/14  
!  
interface GigabitEthernet2/0/15  
!  
interface GigabitEthernet2/0/16  
!  
interface GigabitEthernet2/0/17  
!  
interface GigabitEthernet2/0/18  
!  
interface GigabitEthernet2/0/19  
!  
interface GigabitEthernet2/0/20  
!  
interface GigabitEthernet2/0/21  
!  
interface GigabitEthernet2/0/22  
!  
interface GigabitEthernet2/0/23  
!  
interface GigabitEthernet2/0/24  
!  
interface GigabitEthernet2/0/25  
!  
interface GigabitEthernet2/0/26  
!  
interface GigabitEthernet2/0/27  
!  
interface GigabitEthernet2/0/28  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 662  
  switchport mode trunk  
  channel-group 1 mode active  
!  
interface Vlan1  
  no ip address  
  shutdown  
!  
interface Vlan633  
  ip address 172.28.166.193 255.255.255.224  
!  
interface Vlan662  
  description *** 2GB FIBER LINKS TO CODDINGTON CORE ***  
  bandwidth 2000000  
  ip address 172.29.48.10 255.255.255.248  
  ip ospf message-digest-key 1 md5 7 11195D0B44265B1F140C207731  
  ip ospf network point-to-point  
!  
interface Vlan667  
  description *** 300MB MICROWAVE TO QMC ***  
  bandwidth 300000  
  ip address 172.29.48.50 255.255.255.248  
  ip ospf message-digest-key 1 md5 7 105E4D17562342181C2221783D
```

```
ip ospf network point-to-point
!
router ospf 1001
  router-id 172.29.48.10
  log-adjacency-changes
  auto-cost reference-bandwidth 10000
  area 0 authentication message-digest
  network 172.28.166.192 0.0.0.31 area 0
  network 172.29.48.0 0.0.0.255 area 0
!
ip classless
no ip http server
no ip http secure-server
!
!
ip sla enable reaction-alerts
!
!
vstack
banner login ^CC
***** Metro Boston Homeland Security Region (MBHSR) *****
***** PSnet: Public Safety Network (www.ps-net.org) *****
.
Authorized access only! All access is logged!
Notice: Any unauthorized use of this system is unlawful and
       subject to civil and criminal penalties.
Disconnect immediately if not authorized to use this system!
.
^C
!
line con 0
  exec-timeout 15 0
  logging synchronous
line vty 0 4
  privilege level 15
  transport input ssh
line vty 5 15
  privilege level 15
  transport input ssh
!
ntp server 10.254.176.254
ntp server 10.254.66.254
ntp server 10.254.160.254 key 0 prefer
end

PD#          sho run
Building configuration...

Current configuration : 7657 bytes
!
! Last configuration change at 10:32:42 EDT Mon Jun 4 2018
! NVRAM config last updated at 10:39:23 EDT Mon Jun 4 2018
!
version 12.2
```

```
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service linenumbers
service sequence-numbers
service unsupported-transceiver
!
hostname PD
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
!
!
!
aaa session-id common
clock timezone EST -5
clock summer-time EDT recurring
switch 1 provision ws-c3750g-24ts-1u
switch 2 provision ws-c3750g-24ts-1u
system mtu routing 1500
vtp domain PSNET
vtp mode transparent
authentication mac-move permit
ip routing
no ip domain-lookup
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
!
!
!
crypto pki trustpoint TP-self-signed-1835008512
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1835008512
  revocation-check none
  rsakeypair TP-self-signed-1835008512
!
!
crypto pki certificate chain TP-self-signed-1835008512
  certificate self-signed 01
    30820245 308201AE A0030201 02020101 300D0609 2A864886 F70D0101 04050030
    31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274
```

```

69666963 6174652D 31383335 30303835 3132301E 170D3933 30333031 30303039
32365A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649
4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D31 38333530
30383531 3230819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281
8100DAD7 7989C490 82D3394B C73624A1 44BE68BE CFB12500 13CA28C3 5D0E042B
B5F73BFF 4E29FE23 53FC779A FB3A0D11 CA5639C8 838C7F28 568C0C59 E2FC2CE3
77D08252 F3A3F7A3 EB4C2EC5 C7845372 0D6946B4 C72095FB 72CF1204 4FC92FD5
80C01EE8 ED8F487E 65ECE476 A66052DF 09007C44 58F409B7 597966E8 6D6CB5AB
DB6B0203 010001A3 6D306B30 0F060355 1D130101 FF040530 030101FF 30180603
551D1104 11300F82 0D50442E 70732D6E 65742E6F 7267301F 0603551D 23041830
1680142A 8CC333D6 85661116 3391408B C183DFF6 C00FB530 1D060355 1D0E0416
04142A8C C333D685 66111633 91408BC1 83DFF6C0 0FB5300D 06092A86 4886F70D
01010405 00038181 006AE1A8 3F6A6423 493C18E0 115AB078 4B7486F1 93780D4A
D8875464 D9D65E15 BB9B934A 13FCF0A9 CC902FFD A28898B2 9D6EABB3 9A1E78E1
E9E9B3A4 F73C85CB 0B89B896 CCD934A7 A23AB6B8 0478115A 3739A146 9263E28E
8F0703F2 CFC22815 0C02A1EC B254E5E7 481CBCEF AFC5CA6C D7C522BA C43DD7CB
1FF09B49 6E20E018 3D
quit
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 633
 name PD-MGMT
!
vlan 662
 name COD-PD
!
vlan 667
 name QMC-PD
!
!
!
!
interface Port-channel1
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 662
 switchport mode trunk
!
interface GigabitEthernet1/0/1
 description *** PD IP MUX ***
 switchport access vlan 633
 switchport mode access
 speed 100
 duplex full
 spanning-tree portfast
!
interface GigabitEthernet1/0/2
 switchport access vlan 633
 switchport mode access

```

```
    spanning-tree portfast
!
interface GigabitEthernet1/0/3
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/4
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/5
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/6
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/7
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/8
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/9
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/10
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/11
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/12
    switchport access vlan 633
    switchport mode access
    spanning-tree portfast
!
interface GigabitEthernet1/0/13
!
```

```
interface GigabitEthernet1/0/14
!
interface GigabitEthernet1/0/15
!
interface GigabitEthernet1/0/16
!
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
!
interface GigabitEthernet1/0/23
!
interface GigabitEthernet1/0/24
description *** MOTOROLA PTP 600 TO QMC ***
switchport trunk encapsulation dot1q
switchport trunk native vlan 667
switchport trunk allowed vlan 667
switchport mode trunk
!
interface GigabitEthernet1/0/25
!
interface GigabitEthernet1/0/26
!
interface GigabitEthernet1/0/27
!
interface GigabitEthernet1/0/28
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 662
switchport mode trunk
channel-group 1 mode active
!
interface GigabitEthernet2/0/1
!
interface GigabitEthernet2/0/2
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
!
interface GigabitEthernet2/0/5
!
interface GigabitEthernet2/0/6
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
```

```
!  
interface GigabitEthernet2/0/9  
!  
interface GigabitEthernet2/0/10  
!  
interface GigabitEthernet2/0/11  
!  
interface GigabitEthernet2/0/12  
!  
interface GigabitEthernet2/0/13  
!  
interface GigabitEthernet2/0/14  
!  
interface GigabitEthernet2/0/15  
!  
interface GigabitEthernet2/0/16  
!  
interface GigabitEthernet2/0/17  
!  
interface GigabitEthernet2/0/18  
!  
interface GigabitEthernet2/0/19  
!  
interface GigabitEthernet2/0/20  
!  
interface GigabitEthernet2/0/21  
!  
interface GigabitEthernet2/0/22  
!  
interface GigabitEthernet2/0/23  
!  
interface GigabitEthernet2/0/24  
!  
interface GigabitEthernet2/0/25  
!  
interface GigabitEthernet2/0/26  
!  
interface GigabitEthernet2/0/27  
!  
interface GigabitEthernet2/0/28  
    switchport trunk encapsulation dot1q  
    switchport trunk allowed vlan 662  
    switchport mode trunk  
    channel-group 1 mode active  
!  
interface Vlan1  
    no ip address  
    shutdown  
!  
interface Vlan633  
    ip address 172.28.166.193 255.255.255.224  
!  
interface Vlan662  
    description *** 2GB FIBER LINKS TO CODDINGTON CORE ***
```

```
bandwidth 2000000
ip address 172.29.48.10 255.255.255.248
ip ospf message-digest-key 1 md5 7 11195D0B44265B1F140C207731
ip ospf network point-to-point
!
interface Vlan667
description *** 300MB MICROWAVE TO QMC ***
bandwidth 300000
ip address 172.29.48.50 255.255.255.248
ip ospf message-digest-key 1 md5 7 105E4D17562342181C2221783D
ip ospf network point-to-point
!
router ospf 1001
router-id 172.29.48.10
log-adjacency-changes
auto-cost reference-bandwidth 10000
area 0 authentication message-digest
network 172.28.166.192 0.0.0.31 area 0
network 172.29.48.0 0.0.0.255 area 0
!
ip classless
no ip http server
no ip http secure-server
!
!
ip sla enable reaction-alerts
!
!
vstack
banner login ^C
***** Metro Boston Homeland Security Region (MBHSR) *****
***** PSnet: Public Safety Network (www.ps-net.org) *****
.
Authorized access only! All access is logged!
Notice: Any unauthorized use of this system is unlawful and
subject to civil and criminal penalties.
Disconnect immediately if not authorized to use this system!
.
^C
!
line con 0
exec-timeout 15 0
logging synchronous
line vty 0 4
privilege level 15
transport input ssh
line vty 5 15
privilege level 15
transport input ssh
!
ntp server 10.254.176.254
ntp server 10.254.66.254
ntp server 10.254.160.254 key 0 prefer
end
```



```
PT#sho clock
* 21:40:18.066 EDT Fri Sep 17 1993
PT#sho ver
Cisco IOS Software, C3750 Software (C3750-IPSERVICESK9-M), Version
12.2(55)SE12, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2017 by Cisco Systems, Inc.
Compiled Thu 28-Sep-17 02:29 by prod_rel_team
Image text-base: 0x01000000, data-base: 0x02F00000

ROM: Bootstrap program is C3750 boot loader
BOOTLDR: C3750 Boot Loader (C3750-HBOOT-M) Version 12.2(44)SE5, RELEASE
SOFTWARE (fc1)
```

```
PT uptime is 28 weeks, 5 days, 1 hour, 40 minutes
System returned to ROM by power-on
System image file is "flash:/c3750-ip-servicesk9-mz.122-55.SE12/c3750-
ip-servicesk9-mz.122-55.SE12.bin"
```

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:

<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

cisco WS-C3750G-24TS-1U (PowerPC405) processor (revision D0) with 131072K bytes of memory.

```
Processor board ID FOC1102Y4LA
Last reset from power-on
5 Virtual Ethernet interfaces
56 Gigabit Ethernet interfaces
The password-recovery mechanism is enabled.
```

512K bytes of flash-simulated non-volatile configuration memory.

```
Base ethernet MAC Address       : 00:1A:E2:74:CB:00
Motherboard assembly number     : 73-10219-07
Power supply part number        : 341-0098-02
Motherboard serial number       : FOC11012TG2
Power supply serial number      : DCA10499080
Model revision number           : D0
Motherboard revision number     : B0
Model number                    : WS-C3750G-24TS-S1U
System serial number            : FOC1102Y4LA
```

Top Assembly Part Number : 800-26859-01  
Top Assembly Revision Number : B0  
Version ID : V03  
CLEI Code Number : CNMWS00ARC  
Hardware Board Revision Number : 0x09

Switch Ports Model	SW Version	SW Image
-----	-----	-----
* 1 28 WS-C3750G-24TS-1U	12.2(55)SE12	C3750-IPSERVICESK9-M
2 28 WS-C3750G-24TS-1U	12.2(55)SE12	C3750-IPSERVICESK9-M

Switch 02  
-----

Switch Uptime : 6 weeks, 18 hours, 43 minutes  
Base ethernet MAC Address : 00:1A:6D:38:EF:80  
Motherboard assembly number : 73-10219-07  
Power supply part number : 341-0098-02  
Motherboard serial number : FOC10490D00  
Power supply serial number : AZS104413FX  
Model revision number : D0  
Motherboard revision number : B0  
Model number : WS-C3750G-24TS-S1U  
System serial number : FOC1049Y24N  
Top assembly part number : 800-26859-01  
Top assembly revision number : B0  
Version ID : V03  
CLEI Code Number : CNMWS00ARC

Configuration register is 0xF

PT# sho ing  
^  
% Invalid input detected at '^' marker.

PT# sho inv  
NAME: "1", DESCR: "WS-C3750G-24TS-1U"  
PID: WS-C3750G-24TS-S1U, VID: V03 , SN: FOC1102Y4LA  
  
NAME: "GigabitEthernet1/0/28", DESCR: "1000BaseBX10-U SFP"  
PID: GLC-BX-U , VID: V02 , SN: D8790600464  
  
NAME: "2", DESCR: "WS-C3750G-24TS-1U"  
PID: WS-C3750G-24TS-S1U, VID: V03 , SN: FOC1049Y24N  
  
NAME: "GigabitEthernet2/0/28", DESCR: "1000BaseBX10-U SFP"  
PID: GLC-BX-U , VID: V02 , SN: D8790600470

PT#sho switch  
Switch/Stack Mac Address : 001a.e274.cb00

Switch#	Role	Mac Address	Priority	H/W Version	Current State
-----	-----	-----	-----	-----	-----

```

* 1      Master 001a.e274.cb00    15    0      Ready
  2      Member 001a.6d38.ef80    14    0      Ready

```

PT# sho vlan

VLAN Name	Status	Ports
1. default	active	Gi1/0/13, Gi1/0/14, Gi1/0/15 Gi1/0/16, Gi1/0/17, Gi1/0/18 Gi1/0/19, Gi1/0/20, Gi1/0/21 Gi1/0/22, Gi1/0/23, Gi1/0/25 Gi1/0/26, Gi1/0/27, Gi2/0/1 Gi2/0/2, Gi2/0/3, Gi2/0/4 Gi2/0/5, Gi2/0/6, Gi2/0/7 Gi2/0/8, Gi2/0/9, Gi2/0/10 Gi2/0/11, Gi2/0/12, Gi2/0/13 Gi2/0/14, Gi2/0/15, Gi2/0/16 Gi2/0/17, Gi2/0/18, Gi2/0/19 Gi2/0/20, Gi2/0/21, Gi2/0/22 Gi2/0/23, Gi2/0/24, Gi2/0/25 Gi2/0/26, Gi2/0/27,
606 PT-RADIO	active	Gi1/0/1, Gi1/0/2, Gi1/0/3 Gi1/0/4, Gi1/0/5, Gi1/0/6 Gi1/0/7, Gi1/0/8, Gi1/0/9 Gi1/0/10, Gi1/0/11,
636 PT-MGMT	active	
665 COD-PT	active	
669 QMC-PT	active	
1002 fddi-default	act/unsup	
1003 token-ring-default	act/unsup	
1004 fddinet-default	act/unsup	
1005 trnet-default	act/unsup	
VLAN Name	Status	Ports
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Trans1 Trans2		

1.	enet	100001	1500	-	-	-	-	-	0	0
606	enet	100606	1500	-	-	-	-	-	0	0
636	enet	100636	1500	-	-	-	-	-	0	0
665	enet	100665	1500	-	-	-	-	-	0	0
669	enet	100669	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
---------	-----------	------	-------

-----  
 ----

```

PT#      sho ip int br
Interface          IP-Address      OK? Method Status
Protocol
Vlan1              unassigned      YES NVRAM  up
down
Vlan606            172.28.38.177  YES NVRAM  up
Vlan636            172.28.166.49  YES NVRAM  up
down
Vlan665            172.29.48.34   YES NVRAM  up
Vlan669            172.29.48.66   YES NVRAM  up
GigabitEthernet1/0/1 unassigned      YES unset  up
GigabitEthernet1/0/2 unassigned      YES unset  down
down
GigabitEthernet1/0/3 unassigned      YES unset  down
down
GigabitEthernet1/0/4 unassigned      YES unset  down
down
GigabitEthernet1/0/5 unassigned      YES unset  down
down
GigabitEthernet1/0/6 unassigned      YES unset  down
down
GigabitEthernet1/0/7 unassigned      YES unset  down
down
GigabitEthernet1/0/8 unassigned      YES unset  down
down
GigabitEthernet1/0/9 unassigned      YES unset  down
down
GigabitEthernet1/0/10 unassigned      YES unset  down
down
GigabitEthernet1/0/11 unassigned      YES unset  down
down
GigabitEthernet1/0/12 unassigned      YES unset  down
down
GigabitEthernet1/0/13 unassigned      YES unset  down
down
  
```

GigabitEthernet1/0/14	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/15	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/16	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/17	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/18	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/19	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/20	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/21	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/22	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/23	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/24	unassigned	YES	unset	up	up
GigabitEthernet1/0/25	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/26	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/27	unassigned	YES	unset	down	
down					
GigabitEthernet1/0/28	unassigned	YES	unset	up	up
GigabitEthernet2/0/1	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/2	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/3	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/4	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/5	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/6	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/7	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/8	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/9	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/10	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/11	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/12	unassigned	YES	unset	down	
down					
GigabitEthernet2/0/13	unassigned	YES	unset	down	
down					

```

GigabitEthernet2/0/14  unassigned      YES unset  down
down
GigabitEthernet2/0/15  unassigned      YES unset  down
down
GigabitEthernet2/0/16  unassigned      YES unset  down
down
GigabitEthernet2/0/17  unassigned      YES unset  down
down
GigabitEthernet2/0/18  unassigned      YES unset  down
down
GigabitEthernet2/0/19  unassigned      YES unset  down
down
GigabitEthernet2/0/20  unassigned      YES unset  down
down
GigabitEthernet2/0/21  unassigned      YES unset  down
down
GigabitEthernet2/0/22  unassigned      YES unset  down
down
GigabitEthernet2/0/23  unassigned      YES unset  down
down
GigabitEthernet2/0/24  unassigned      YES unset  down
down
GigabitEthernet2/0/25  unassigned      YES unset  down
down
GigabitEthernet2/0/26  unassigned      YES unset  down
down
GigabitEthernet2/0/27  unassigned      YES unset  down
down
GigabitEthernet2/0/28  unassigned      YES unset  down
down
Port-channell          unassigned      YES unset  up
PT#      sho mac add
PT#      sho mac address-table
          Mac Address Table

```

up

-----

Vlan	Mac Address	Type	Ports
----	-----	-----	-----
All	0100.0ccc.cccc	STATIC	CPU
All	0100.0ccc.cccd	STATIC	CPU
All	0180.c200.0000	STATIC	CPU
All	0180.c200.0001	STATIC	CPU
All	0180.c200.0002	STATIC	CPU
All	0180.c200.0003	STATIC	CPU
All	0180.c200.0004	STATIC	CPU
All	0180.c200.0005	STATIC	CPU
All	0180.c200.0006	STATIC	CPU
All	0180.c200.0007	STATIC	CPU
All	0180.c200.0008	STATIC	CPU
All	0180.c200.0009	STATIC	CPU
All	0180.c200.000a	STATIC	CPU
All	0180.c200.000b	STATIC	CPU
All	0180.c200.000c	STATIC	CPU
All	0180.c200.000d	STATIC	CPU

```
All    0180.c200.000e    STATIC    CPU
All    0180.c200.000f    STATIC    CPU
All    0180.c200.0010    STATIC    CPU
All    ffff.ffff.ffff    STATIC    CPU
606    0024.a1bc.a094    DYNAMIC   Gi1/0/1
665    1caa.07da.8ec8    DYNAMIC   Po1
669    001c.0f94.5d96    DYNAMIC   Gi1/0/24
669    001c.0f94.5dc6    DYNAMIC   Gi1/0/24
```

Total Mac Addresses for this criterion: 24

PT#sho start

Using 6351 out of 524288 bytes

!

version 12.2

no service pad

service tcp-keepalives-in

service tcp-keepalives-out

service timestamps debug datetime localtime show-timezone

service timestamps log datetime msec localtime show-timezone

service password-encryption

service linenumbers

service sequence-numbers

service unsupported-transceiver

!

hostname PT

!

boot-start-marker

boot-end-marker

!

no logging console

!

username ftgtech privilege 15 password 7 121F11410658440C043E75

!

!

aaa new-model

!

!

aaa authentication login default local-case

!

!

!

aaa session-id common

clock timezone EST -5

clock summer-time EDT recurring

switch 1 provision ws-c3750g-24ts-1u

switch 2 provision ws-c3750g-24ts-1u

system mtu routing 1500

vtp mode transparent

authentication mac-move permit

ip routing

no ip domain-lookup

ip domain-name ps-net.org

ip name-server 10.254.192.1

!

!

```
!  
!  
crypto pki trustpoint TP-self-signed-3799304960  
  enrollment selfsigned  
  subject-name cn=IOS-Self-Signed-Certificate-3799304960  
  revocation-check none  
  rsakeypair TP-self-signed-3799304960  
!  
!  
crypto pki certificate chain TP-self-signed-3799304960  
  certificate self-signed 01 nvram:IOS-Self-Sig#3031.cer  
!  
!  
!  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
vlan internal allocation policy ascending  
!  
vlan 606  
  name PT-RADIO  
!  
vlan 636  
  name PT-MGMT  
!  
vlan 665  
  name COD-PT  
!  
vlan 669  
  name QMC-PT  
!  
!  
!  
!  
interface Port-channel1  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 665  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/1  
  switchport access vlan 606  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/2  
  switchport access vlan 606  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/3  
  switchport access vlan 606  
  switchport mode access  
  spanning-tree portfast  
!
```

```
interface GigabitEthernet1/0/4
  switchport access vlan 606
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/5
  switchport access vlan 606
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/6
  switchport access vlan 606
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/7
  switchport access vlan 606
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/8
  switchport access vlan 606
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/9
  switchport access vlan 606
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/10
  switchport access vlan 606
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/11
  switchport access vlan 606
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/12
  switchport access vlan 606
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/13
!
interface GigabitEthernet1/0/14
!
interface GigabitEthernet1/0/15
!
interface GigabitEthernet1/0/16
!
interface GigabitEthernet1/0/17
```

```
!  
interface GigabitEthernet1/0/18  
!  
interface GigabitEthernet1/0/19  
!  
interface GigabitEthernet1/0/20  
!  
interface GigabitEthernet1/0/21  
!  
interface GigabitEthernet1/0/22  
!  
interface GigabitEthernet1/0/23  
!  
interface GigabitEthernet1/0/24  
  description *** MOTOROLA PTP 600 SLAVE TO QMC ***  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 669  
  switchport trunk allowed vlan 669  
!  
interface GigabitEthernet1/0/25  
!  
interface GigabitEthernet1/0/26  
!  
interface GigabitEthernet1/0/27  
!  
interface GigabitEthernet1/0/28  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 665  
  switchport mode trunk  
  channel-group 1 mode active  
!  
interface GigabitEthernet2/0/1  
!  
interface GigabitEthernet2/0/2  
!  
interface GigabitEthernet2/0/3  
!  
interface GigabitEthernet2/0/4  
!  
interface GigabitEthernet2/0/5  
!  
interface GigabitEthernet2/0/6  
!  
interface GigabitEthernet2/0/7  
!  
interface GigabitEthernet2/0/8  
!  
interface GigabitEthernet2/0/9  
!  
interface GigabitEthernet2/0/10  
!  
interface GigabitEthernet2/0/11  
!  
interface GigabitEthernet2/0/12
```

```
!  
interface GigabitEthernet2/0/13  
!  
interface GigabitEthernet2/0/14  
!  
interface GigabitEthernet2/0/15  
!  
interface GigabitEthernet2/0/16  
!  
interface GigabitEthernet2/0/17  
!  
interface GigabitEthernet2/0/18  
!  
interface GigabitEthernet2/0/19  
!  
interface GigabitEthernet2/0/20  
!  
interface GigabitEthernet2/0/21  
!  
interface GigabitEthernet2/0/22  
!  
interface GigabitEthernet2/0/23  
!  
interface GigabitEthernet2/0/24  
!  
interface GigabitEthernet2/0/25  
!  
interface GigabitEthernet2/0/26  
!  
interface GigabitEthernet2/0/27  
!  
interface GigabitEthernet2/0/28  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 665  
  switchport mode trunk  
  channel-group 1 mode active  
!  
interface Vlan1  
  no ip address  
!  
interface Vlan606  
  ip address 172.28.38.177 255.255.255.240  
!  
interface Vlan636  
  ip address 172.28.166.49 255.255.255.240  
!  
interface Vlan665  
  description *** 2GB FIBER LINKS TO CODDINGTON CORE ***  
  bandwidth 2000000  
  ip address 172.29.48.34 255.255.255.248  
  ip ospf message-digest-key 1 md5 7 071F65421D3D49160734005F1D  
  ip ospf network point-to-point  
!  
interface Vlan669
```

```
description *** 300MB MICROWAVE TO QMC ***
bandwidth 300000
ip address 172.29.48.66 255.255.255.248
ip ospf message-digest-key 1 md5 7 1315531C583854393B0223602C
ip ospf network point-to-point
!
router ospf 1001
router-id 172.29.48.34
log-adjacency-changes
auto-cost reference-bandwidth 10000
area 0 authentication message-digest
passive-interface Vlan606
passive-interface Vlan636
network 172.28.38.176 0.0.0.15 area 0
network 172.28.166.48 0.0.0.15 area 0
network 172.29.48.0 0.0.0.255 area 0
!
ip classless
no ip http server
no ip http secure-server
!
!
ip sla enable reaction-alerts
!
!
vstack
banner login ^CC
***** Metro Boston Homeland Security Region (MBHSR) *****
***** PSnet: Public Safety Network (www.ps-net.org) *****
.
Authorized access only! All access is logged!
Notice: Any unauthorized use of this system is unlawful and
subject to civil and criminal penalties.
Disconnect immediately if not authorized to use this system!
.
^C
!
line con 0
exec-timeout 15 0
logging synchronous
line vty 0 4
privilege level 15
logging synchronous
transport input ssh
line vty 5 15
privilege level 15
logging synchronous
transport input ssh
!
ntp server 10.254.176.254
ntp server 10.254.66.254
ntp server 10.254.160.254 key 0 prefer
end
```

```
PT#sho run
Building configuration...

Current configuration : 7703 bytes
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service linenumbers
service sequence-numbers
service unsupported-transceiver
!
hostname PT
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
aaa authentication login default local-case
!
!
!
aaa session-id common
clock timezone EST -5
clock summer-time EDT recurring
switch 1 provision ws-c3750g-24ts-1u
switch 2 provision ws-c3750g-24ts-1u
system mtu routing 1500
vtp mode transparent
authentication mac-move permit
ip routing
no ip domain-lookup
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
!
!
!
crypto pki trustpoint TP-self-signed-3799304960
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-3799304960
  revocation-check none
  rsakeypair TP-self-signed-3799304960
```

```
!  
!  
crypto pki certificate chain TP-self-signed-3799304960  
certificate self-signed 01  
 30820245 308201AE A0030201 02020101 300D0609 2A864886 F70D0101 04050030  
 31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274  
 69666963 6174652D 33373939 33303439 3630301E 170D3933 30333031 30303130  
 33365A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649  
 4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D33 37393933  
 30343936 3030819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281  
 8100A6DD F33D12A7 C68CC711 E87E9B09 BED0A4AA 993127D8 7E65E665 D409B853  
 1A1860B2 02B8A2E6 C8C90B63 13F367ED BCCECC71 0B34B51F A0DEDE05 2A5A7B45  
 41C7BAE2 E3AB8AE7 41C5D74C 31B64BC9 A6CA2D8E 68914C45 77CA69F0 A00C8647  
 6C804902 C98B855B 1CF82DC3 6B2B9681 2FED7185 85385191 5A1AC3C7 E95A882F  
 AF770203 010001A3 6D306B30 0F060355 1D130101 FF040530 030101FF 30180603  
 551D1104 11300F82 0D50542E 70732D6E 65742E6F 7267301F 0603551D 23041830  
 1680148A 6842315F 2722DD7E 753D22BF C15B9087 04BD8F30 1D060355 1D0E0416  
 04148A68 42315F27 22DD7E75 3D22BFC1 5B908704 BD8F300D 06092A86 4886F70D  
 01010405 00038181 006A4B36 A4EABD23 89751B07 4A31A746 E4873F1C FFB6631A  
 E9FAE729 BB4662E7 9D44A3B3 22D771BB 521FE25A 2052A348 07B26BED 072D3ED4  
 88FC68DD C9BE61EF F3C412E4 6F93C703 77524453 12110C41 77B4A0A3 C56AF1D0  
 732F196B 7E5B982E FB659B48 61146153 3B3B5BF9 2FAB1F4D C152C309 B5919598  
 1B5FDA2E F066062E B5
```

```
quit  
!  
!  
!  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
vlan internal allocation policy ascending  
!  
vlan 606  
  name PT-RADIO  
!  
vlan 636  
  name PT-MGMT  
!  
vlan 665  
  name COD-PT  
!  
vlan 669  
  name QMC-PT  
!  
!  
!  
!  
interface Port-channel1  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 665  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/1  
  switchport access vlan 606
```

```
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/2
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/3
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/4
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/5
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/6
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/7
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/8
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/9
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/10
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/11
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/12
```

```
switchport access vlan 606
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/13
!
interface GigabitEthernet1/0/14
!
interface GigabitEthernet1/0/15
!
interface GigabitEthernet1/0/16
!
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
!
interface GigabitEthernet1/0/23
!
interface GigabitEthernet1/0/24
description *** MOTOROLA PTP 600 SLAVE TO QMC ***
switchport trunk encapsulation dot1q
switchport trunk native vlan 669
switchport trunk allowed vlan 669
!
interface GigabitEthernet1/0/25
!
interface GigabitEthernet1/0/26
!
interface GigabitEthernet1/0/27
!
interface GigabitEthernet1/0/28
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 665
switchport mode trunk
channel-group 1 mode active
!
interface GigabitEthernet2/0/1
!
interface GigabitEthernet2/0/2
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
!
interface GigabitEthernet2/0/5
!
```

```
interface GigabitEthernet2/0/6
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
!
interface GigabitEthernet2/0/9
!
interface GigabitEthernet2/0/10
!
interface GigabitEthernet2/0/11
!
interface GigabitEthernet2/0/12
!
interface GigabitEthernet2/0/13
!
interface GigabitEthernet2/0/14
!
interface GigabitEthernet2/0/15
!
interface GigabitEthernet2/0/16
!
interface GigabitEthernet2/0/17
!
interface GigabitEthernet2/0/18
!
interface GigabitEthernet2/0/19
!
interface GigabitEthernet2/0/20
!
interface GigabitEthernet2/0/21
!
interface GigabitEthernet2/0/22
!
interface GigabitEthernet2/0/23
!
interface GigabitEthernet2/0/24
!
interface GigabitEthernet2/0/25
!
interface GigabitEthernet2/0/26
!
interface GigabitEthernet2/0/27
!
interface GigabitEthernet2/0/28
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 665
  switchport mode trunk
  channel-group 1 mode active
!
interface Vlan1
  no ip address
!
interface Vlan606
```

```
ip address 172.28.38.177 255.255.255.240
!
interface Vlan636
ip address 172.28.166.49 255.255.255.240
!
interface Vlan665
description *** 2GB FIBER LINKS TO CODDINGTON CORE ***
bandwidth 2000000
ip address 172.29.48.34 255.255.255.248
ip ospf message-digest-key 1 md5 7 071F65421D3D49160734005F1D
ip ospf network point-to-point
!
interface Vlan669
description *** 300MB MICROWAVE TO QMC ***
bandwidth 300000
ip address 172.29.48.66 255.255.255.248
ip ospf message-digest-key 1 md5 7 1315531C583854393B0223602C
ip ospf network point-to-point
!
router ospf 1001
router-id 172.29.48.34
log-adjacency-changes
auto-cost reference-bandwidth 10000
area 0 authentication message-digest
passive-interface Vlan606
passive-interface Vlan636
network 172.28.38.176 0.0.0.15 area 0
network 172.28.166.48 0.0.0.15 area 0
network 172.29.48.0 0.0.0.255 area 0
!
ip classless
no ip http server
no ip http secure-server
!
!
ip sla enable reaction-alerts
!
!
vstack
banner login ^CC
***** Metro Boston Homeland Security Region (MBHSR) *****
***** PSnet: Public Safety Network (www.ps-net.org) *****
.
Authorized access only! All access is logged!
Notice: Any unauthorized use of this system is unlawful and
subject to civil and criminal penalties.
Disconnect immediately if not authorized to use this system!
.
^C
!
line con 0
exec-timeout 15 0
logging synchronous
line vty 0 4
```

```
privilege level 15
logging synchronous
transport input ssh
line vty 5 15
privilege level 15
logging synchronous
transport input ssh
!
ntp server 10.254.176.254
ntp server 10.254.66.254
ntp server 10.254.160.254 key 0 prefer
end
```

```
QMC#sho clock
.14:07:15.164 EDT Tue Jun 5 2018
QMC#sho ver
Cisco IOS Software, C3750 Software (C3750-IPSERVICESK9-M), Version
12.2(55)SE12, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2017 by Cisco Systems, Inc.
Compiled Thu 28-Sep-17 02:29 by prod_rel_team
Image text-base: 0x01000000, data-base: 0x02F00000

ROM: Bootstrap program is C3750 boot loader
BOOTLDR: C3750 Boot Loader (C3750-HBOOT-M) Version 12.2(44)SE5, RELEASE
SOFTWARE (fc1)
```

```
QMC uptime is 6 weeks, 1 day, 48 minutes
System returned to ROM by power-on
System restarted at 13:18:52 EDT Mon Apr 23 2018
System image file is "flash:/c3750-ip-servicesk9-mz.122-55.SE12/c3750-
ip-servicesk9-mz.122-55.SE12.bin"
```

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:  
<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

```
cisco WS-C3750G-24TS-1U (PowerPC405) processor (revision E0) with 131072K
bytes of memory.
Processor board ID FOC1120ZDFN
Last reset from power-on
8 Virtual Ethernet interfaces
56 Gigabit Ethernet interfaces
The password-recovery mechanism is enabled.
```

```
512K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address       : 00:1C:0F:94:5D:80
Motherboard assembly number     : 73-10219-07
Power supply part number        : 341-0098-02
Motherboard serial number       : FOC11202T5T
Power supply serial number      : DCA111490N7
Model revision number           : E0
Motherboard revision number     : B0
Model number                    : WS-C3750G-24TS-S1U
```

```

System serial number      : FOC1120ZDFN
Top Assembly Part Number  : 800-26859-01
Top Assembly Revision Number : C0
Version ID                : V03
CLEI Code Number         : CNMWS00ARC
Hardware Board Revision Number : 0x09

```

```

Switch Ports Model          SW Version          SW Image
-----
*  1 28    WS-C3750G-24TS-1U  12.2(55)SE12      C3750-IPSERVICESK9-M

```

Configuration register is 0xF

```

QMC#sho inv
NAME: "1", DESCR: "WS-C3750G-24TS-1U"
PID: WS-C3750G-24TS-S1U, VID: V03 , SN: FOC1120ZDFN

NAME: "GigabitEthernet1/0/28", DESCR: "1000BaseBX10-U SFP"
PID: GLC-BX-U , VID: V02 , SN: D8790600463

```

```

QMC#sho switch
Switch/Stack Mac Address : 001c.0f94.5d80

Switch#  Role  Mac Address      Priority  H/W  Current State
-----
*  1      Master 001c.0f94.5d80    15      0      Ready
  2      Member 0000.0000.0000    0        0      Provisioned

```

```

QMC# sho vlan

VLAN Name                Status      Ports
-----
1. default                active     Gi1/0/15, Gi1/0/16, Gi1/0/17
                        Gi1/0/18, Gi1/0/19,
                        Gi1/0/20
                        Gi1/0/25, Gi1/0/26,
                        Gi1/0/27
602 QMC-RADIO             active     Gi1/0/1, Gi1/0/2, Gi1/0/3
                        Gi1/0/4, Gi1/0/5, Gi1/0/6
                        Gi1/0/7, Gi1/0/8, Gi1/0/9
                        Gi1/0/10, Gi1/0/11,
                        Gi1/0/12
632 QMC-MGMT             active     Gi1/0/13, Gi1/0/14
661 COD-QMC               active
667 QMC-PD                active
668 QMC-NQHS              active
669 QMC-PT                active
670 QMC-RT                active
1002 fddi-default         act/unsup
1003 token-ring-default   act/unsup

```



GigabitEthernet1/0/6 down	unassigned	YES	unset	down	
GigabitEthernet1/0/7	unassigned	YES	unset	up	up
GigabitEthernet1/0/8 down	unassigned	YES	unset	down	
GigabitEthernet1/0/9	unassigned	YES	unset	up	up
GigabitEthernet1/0/10 down	unassigned	YES	unset	down	
GigabitEthernet1/0/11	unassigned	YES	unset	up	up
GigabitEthernet1/0/12 down	unassigned	YES	unset	down	
GigabitEthernet1/0/13	unassigned	YES	unset	up	up
GigabitEthernet1/0/14	unassigned	YES	unset	up	up
GigabitEthernet1/0/15 down	unassigned	YES	unset	down	
GigabitEthernet1/0/16 down	unassigned	YES	unset	down	
GigabitEthernet1/0/17 down	unassigned	YES	unset	down	
GigabitEthernet1/0/18 down	unassigned	YES	unset	down	
GigabitEthernet1/0/19 down	unassigned	YES	unset	down	
GigabitEthernet1/0/20 down	unassigned	YES	unset	down	
GigabitEthernet1/0/21	unassigned	YES	unset	up	up
GigabitEthernet1/0/22	unassigned	YES	unset	up	up
GigabitEthernet1/0/23	unassigned	YES	unset	up	up
GigabitEthernet1/0/24	unassigned	YES	unset	up	up
GigabitEthernet1/0/25 down	unassigned	YES	unset	down	
GigabitEthernet1/0/26 down	unassigned	YES	unset	down	
GigabitEthernet1/0/27 down	unassigned	YES	unset	down	
GigabitEthernet1/0/28	unassigned	YES	unset	up	up
GigabitEthernet2/0/1 down	unassigned	YES	unset	down	
GigabitEthernet2/0/2 down	unassigned	YES	unset	down	
GigabitEthernet2/0/3 down	unassigned	YES	unset	down	
GigabitEthernet2/0/4 down	unassigned	YES	unset	down	
GigabitEthernet2/0/5 down	unassigned	YES	unset	down	
GigabitEthernet2/0/6 down	unassigned	YES	unset	down	
GigabitEthernet2/0/7 down	unassigned	YES	unset	down	
GigabitEthernet2/0/8 down	unassigned	YES	unset	down	
GigabitEthernet2/0/9 down	unassigned	YES	unset	down	

```

GigabitEthernet2/0/10  unassigned      YES unset  down
down
GigabitEthernet2/0/11  unassigned      YES unset  down
down
GigabitEthernet2/0/12  unassigned      YES unset  down
down
GigabitEthernet2/0/13  unassigned      YES unset  down
down
GigabitEthernet2/0/14  unassigned      YES unset  down
down
GigabitEthernet2/0/15  unassigned      YES unset  down
down
GigabitEthernet2/0/16  unassigned      YES unset  down
down
GigabitEthernet2/0/17  unassigned      YES unset  down
down
GigabitEthernet2/0/18  unassigned      YES unset  down
down
GigabitEthernet2/0/19  unassigned      YES unset  down
down
GigabitEthernet2/0/20  unassigned      YES unset  down
down
GigabitEthernet2/0/21  unassigned      YES unset  down
down
GigabitEthernet2/0/22  unassigned      YES unset  down
down
GigabitEthernet2/0/23  unassigned      YES unset  down
down
GigabitEthernet2/0/24  unassigned      YES unset  down
down
GigabitEthernet2/0/25  unassigned      YES unset  down
down
GigabitEthernet2/0/26  unassigned      YES unset  down
down
GigabitEthernet2/0/27  unassigned      YES unset  down
down
GigabitEthernet2/0/28  unassigned      YES unset  down
down
Port-channel1          unassigned      YES unset  up

```

up

```

QMC#          sho mac add
QMC#          sho mac address-table
              Mac Address Table

```

```

-----
Vlan      Mac Address      Type      Ports
-----
All       0100.0ccc.cccc   STATIC    CPU
All       0100.0ccc.cccd   STATIC    CPU
All       0180.c200.0000   STATIC    CPU
All       0180.c200.0001   STATIC    CPU
All       0180.c200.0002   STATIC    CPU
All       0180.c200.0003   STATIC    CPU
All       0180.c200.0004   STATIC    CPU
All       0180.c200.0005   STATIC    CPU

```

```

All    0180.c200.0006    STATIC    CPU
All    0180.c200.0007    STATIC    CPU
All    0180.c200.0008    STATIC    CPU
All    0180.c200.0009    STATIC    CPU
All    0180.c200.000a    STATIC    CPU
All    0180.c200.000b    STATIC    CPU
All    0180.c200.000c    STATIC    CPU
All    0180.c200.000d    STATIC    CPU
All    0180.c200.000e    STATIC    CPU
All    0180.c200.000f    STATIC    CPU
All    0180.c200.0010    STATIC    CPU
All    ffff.ffff.ffff    STATIC    CPU
602    0024.albc.a088     DYNAMIC   Gi1/0/7
602    0024.albc.a097     DYNAMIC   Gi1/0/11
602    0024.albc.a09d     DYNAMIC   Gi1/0/1
602    0024.albc.a0ab     DYNAMIC   Gi1/0/9
602    0024.albc.a156     DYNAMIC   Gi1/0/5
602    0024.albc.ad84     DYNAMIC   Gi1/0/3
632    0020.d234.fc9b     DYNAMIC   Gi1/0/13
632    0020.d235.4e19     DYNAMIC   Gi1/0/14
667    001a.6d60.0218     DYNAMIC   Gi1/0/23
667    001a.6d60.0243     DYNAMIC   Gi1/0/23
661    1caa.07da.8ec4     DYNAMIC   Po1
668    001a.a278.e398     DYNAMIC   Gi1/0/24
668    001a.a278.e3c4     DYNAMIC   Gi1/0/24
669    001a.e274.cb18     DYNAMIC   Gi1/0/22
669    001a.e274.cb44     DYNAMIC   Gi1/0/22
670    001c.0f94.8118     DYNAMIC   Gi1/0/21
670    001c.0f94.8142     DYNAMIC   Gi1/0/21
Total Mac Addresses for this criterion: 37
QMC#          sho start
Using 8498 out of 524288 bytes
!
! Last configuration change at 10:36:08 EDT Mon Jun 4 2018 by ftgtech
! NVRAM config last updated at 10:37:37 EDT Mon Jun 4 2018 by ftgtech
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service linenumbers
service sequence-numbers
service unsupported-transceiver
!
hostname QMC
!
boot-start-marker
boot-end-marker
!
no logging console
!
```

```
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
!
!
!
aaa session-id common
clock timezone EST -5
clock summer-time EDT recurring
switch 1 provision ws-c3750g-24ts-lu
switch 2 provision ws-c3750g-24ts-lu
system mtu routing 1500
vtp mode transparent
ip routing
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
!
!
!
crypto pki trustpoint TP-self-signed-261381504
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-261381504
  revocation-check none
  rsakeypair TP-self-signed-261381504
!
!
crypto pki certificate chain TP-self-signed-261381504
  certificate self-signed 01 nvram:IOS-Self-Sig#3435.cer
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 602
  name QMC-RADIO
!
vlan 632
  name QMC-MGMT
!
vlan 661
  name COD-QMC
!
vlan 667
  name QMC-PD
!
vlan 668
  name QMC-NQHS
```

```
!  
vlan 669  
  name QMC-PT  
!  
vlan 670  
  name QMC-RT  
!  
!  
!  
!  
interface Port-channel1  
  description *** 2GB LAG TO CODDINGTON ***  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 661  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/1  
  switchport access vlan 602  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/2  
  switchport access vlan 602  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/3  
  switchport access vlan 602  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/4  
  switchport access vlan 602  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/5  
  switchport access vlan 602  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/6  
  switchport access vlan 602  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/7  
  switchport access vlan 602  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/8  
  switchport access vlan 602  
  switchport mode access
```

```
spanning-tree portfast
!
interface GigabitEthernet1/0/9
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/10
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/11
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/12
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/13
description *** MUX Device for PD ***
switchport access vlan 632
switchport mode access
speed 100
duplex full
spanning-tree portfast
!
interface GigabitEthernet1/0/14
switchport access vlan 632
switchport mode access
speed 100
duplex half
spanning-tree portfast
!
interface GigabitEthernet1/0/15
switchport mode access
!
interface GigabitEthernet1/0/16
switchport mode access
!
interface GigabitEthernet1/0/17
switchport mode access
!
interface GigabitEthernet1/0/18
switchport mode access
!
interface GigabitEthernet1/0/19
switchport mode access
!
interface GigabitEthernet1/0/20
switchport mode access
```

```
!  
interface GigabitEthernet1/0/21  
  description *** MOTOROLA PTP 600 TO RICCIUTI TOWER ***  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 670  
  switchport trunk allowed vlan 670  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/22  
  description *** MOTOROLA PTP 600 TO PAGANANO TOWER ***  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 669  
  switchport trunk allowed vlan 669  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/23  
  description *** MOTOROLA PTP 600 TO POLICE ***  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 667  
  switchport trunk allowed vlan 667  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/24  
  description *** MOTOROLA PTP 600 TO NORTH QUINCY HS ***  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 668  
  switchport trunk allowed vlan 668  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/25  
!  
interface GigabitEthernet1/0/26  
!  
interface GigabitEthernet1/0/27  
!  
interface GigabitEthernet1/0/28  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 661  
  switchport mode trunk  
  channel-group 1 mode active  
!  
interface GigabitEthernet2/0/1  
!  
interface GigabitEthernet2/0/2  
!  
interface GigabitEthernet2/0/3  
!  
interface GigabitEthernet2/0/4  
!  
interface GigabitEthernet2/0/5  
!  
interface GigabitEthernet2/0/6  
!  
interface GigabitEthernet2/0/7
```

```
!  
interface GigabitEthernet2/0/8  
!  
interface GigabitEthernet2/0/9  
!  
interface GigabitEthernet2/0/10  
!  
interface GigabitEthernet2/0/11  
!  
interface GigabitEthernet2/0/12  
!  
interface GigabitEthernet2/0/13  
!  
interface GigabitEthernet2/0/14  
!  
interface GigabitEthernet2/0/15  
!  
interface GigabitEthernet2/0/16  
!  
interface GigabitEthernet2/0/17  
!  
interface GigabitEthernet2/0/18  
!  
interface GigabitEthernet2/0/19  
!  
interface GigabitEthernet2/0/20  
!  
interface GigabitEthernet2/0/21  
!  
interface GigabitEthernet2/0/22  
!  
interface GigabitEthernet2/0/23  
  description *** MOTOROLA PTP 600 TO PAGANANO TOWER ***  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 669  
  switchport trunk allowed vlan 669  
  switchport mode trunk  
!  
interface GigabitEthernet2/0/24  
  description *** MOTOROLA PTP 600 TO RICCIUTI TOWER ***  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 670  
  switchport trunk allowed vlan 670  
  switchport mode trunk  
!  
interface GigabitEthernet2/0/25  
!  
interface GigabitEthernet2/0/26  
!  
interface GigabitEthernet2/0/27  
!  
interface GigabitEthernet2/0/28  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 661
```

```
switchport mode trunk
channel-group 1 mode active
!
interface Vlan1
no ip address
shutdown
!
interface Vlan602
ip address 172.28.38.129 255.255.255.224
!
interface Vlan632
ip address 172.28.166.1 255.255.255.224
!
interface Vlan661
description *** 2GB FIBER LINKS TO CODDINGTON CORE ***
bandwidth 2000000
ip address 172.29.48.2 255.255.255.248
ip ospf message-digest-key 1 md5 7 105E4D17562342181C2221783D
ip ospf network point-to-point
!
interface Vlan667
description *** 300MB MICROWAVE TO POLICE ***
bandwidth 300000
ip address 172.29.48.49 255.255.255.248
ip ospf message-digest-key 1 md5 7 044B4F085C151C5D193F0E440B
ip ospf network point-to-point
!
interface Vlan668
description *** 300MB MICROWAVE TO NORTH QUINCY HS ***
bandwidth 300000
ip address 172.29.48.57 255.255.255.248
ip ospf message-digest-key 1 md5 7 044B4F085C151C5D193F0E440B
ip ospf network point-to-point
!
interface Vlan669
description *** 300MB MICROWAVE TO PAGNANO TOWER ***
bandwidth 300000
ip address 172.29.48.65 255.255.255.248
ip ospf message-digest-key 1 md5 7 095C0A074A3147011B2A0F7932
ip ospf network point-to-point
!
interface Vlan670
description *** 300MB MICROWAVE TO RICCIUTI WATER TOWER ***
bandwidth 300000
ip address 172.29.48.73 255.255.255.248
ip ospf message-digest-key 1 md5 7 140756055F307A38340E38663B
ip ospf network point-to-point
!
router ospf 1001
log-adjacency-changes
auto-cost reference-bandwidth 10000
area 0 authentication message-digest
passive-interface Vlan602
passive-interface Vlan632
```

```
network 172.28.38.128 0.0.0.31 area 0
network 172.28.166.0 0.0.0.31 area 0
network 172.29.48.0 0.0.0.255 area 0
!
ip classless
no ip http server
no ip http secure-server
!
!
!
!
vstack
banner login ^CC
***** Metro Boston Homeland Security Region (MBHSR) *****
***** PSnet: Public Safety Network (www.ps-net.org) *****
.
Authorized access only! All access is logged!
Notice: Any unauthorized use of this system is unlawful and
        subject to civil and criminal penalties.
Disconnect immediately if not authorized to use this system!
.
^C
!
line con 0
  exec-timeout 15 0
  logging synchronous
line vty 0 4
  privilege level 15
  logging synchronous
  transport input ssh
line vty 5 15
  privilege level 15
  logging synchronous
  transport input ssh
!
ntp server 10.254.176.254
ntp server 10.254.66.254
ntp server 10.254.160.254 key 0 prefer
end

QMC#          sho run
Building configuration...

Current configuration : 9847 bytes
!
! Last configuration change at 10:36:08 EDT Mon Jun 4 2018 by ftgtech
! NVRAM config last updated at 10:37:37 EDT Mon Jun 4 2018 by ftgtech
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
```

```
service password-encryption
service linenumber
service sequence-numbers
service unsupported-transceiver
!
hostname QMC
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
!
!
!
aaa session-id common
clock timezone EST -5
clock summer-time EDT recurring
switch 1 provision ws-c3750g-24ts-lu
switch 2 provision ws-c3750g-24ts-lu
system mtu routing 1500
vtp mode transparent
ip routing
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
!
!
!
crypto pki trustpoint TP-self-signed-261381504
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-261381504
  revocation-check none
  rsakeypair TP-self-signed-261381504
!
!
crypto pki certificate chain TP-self-signed-261381504
  certificate self-signed 01
    30820244 308201AD A0030201 02020101 300D0609 2A864886 F70D0101 04050030
    30312E30 2C060355 04031325 494F532D 53656C66 2D536967 6E65642D 43657274
    69666963 6174652D 32363133 38313530 34301E17 0D393330 33303130 30303330
    325A170D 32303031 30313030 30303030 5A303031 2E302C06 03550403 1325494F
    532D5365 6C662D53 69676E65 642D4365 72746966 69636174 652D3236 31333831
    35303430 819F300D 06092A86 4886F70D 01010105 0003818D 00308189 02818100
    A439A0E7 221E5D3E 2C63DF7A 29946150 6E8650B3 A8024688 B448B556 8632A060
    C5948129 2FC902C4 D08F38A0 A0C2722C C123CE6B FDE51188 06724514 E07C9254
    E05C4689 FFD28526 7FA60467 E3DE809B F27CB1FF 74BC1EFC CA2F10FC EA300B2E
    27FE17F8 F7EC48C1 D3F307F2 06581E30 2ED679F5 CBF4FA92 0B2CDE73 BFE3D5AB
```

```

02030100 01A36E30 6C300F06 03551D13 0101FF04 05300301 01FF3019 0603551D
11041230 10820E51 4D432E70 732D6E65 742E6F72 67301F06 03551D23 04183016
8014781B 288873FC 1EBB7007 F88F63B9 B658A679 1B8D301D 0603551D 0E041604
14781B28 8873FC1E BB7007F8 8F63B9B6 58A6791B 8D300D06 092A8648 86F70D01
01040500 03818100 2AFD91BC 7DC1FF9E 1FD47F81 F0FA6C10 1044B528 90187060
9BE7F462 28DFB8E7 D9546507 4D514ECF 22FAF4EA DA0752A9 C97B0A56 DE41B027
2F948CC5 D0F1C82F 65A92AC1 81C7608A 67C4446A 2F63C80B F303917B 3A75DF12
01C15AA8 6132F811 276CC183 4414DE57 B5176401 FEF87965 E493F7A3 1F8A5A77
AA53FCD9 47094B96
quit
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 602
 name QMC-RADIO
!
vlan 632
 name QMC-MGMT
!
vlan 661
 name COD-QMC
!
vlan 667
 name QMC-PD
!
vlan 668
 name QMC-NQHS
!
vlan 669
 name QMC-PT
!
vlan 670
 name QMC-RT
!
!
!
!
interface Port-channel1
 description *** 2GB LAG TO CODDINGTON ***
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 661
 switchport mode trunk
!
interface GigabitEthernet1/0/1
 switchport access vlan 602
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet1/0/2

```

```
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/3
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/4
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/5
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/6
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/7
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/8
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/9
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/10
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/11
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/12
switchport access vlan 602
switchport mode access
spanning-tree portfast
!
```

```
interface GigabitEthernet1/0/13
  description *** MUX Device for PD ***
  switchport access vlan 632
  switchport mode access
  speed 100
  duplex full
  spanning-tree portfast
!
interface GigabitEthernet1/0/14
  switchport access vlan 632
  switchport mode access
  speed 100
  duplex half
  spanning-tree portfast
!
interface GigabitEthernet1/0/15
  switchport mode access
!
interface GigabitEthernet1/0/16
  switchport mode access
!
interface GigabitEthernet1/0/17
  switchport mode access
!
interface GigabitEthernet1/0/18
  switchport mode access
!
interface GigabitEthernet1/0/19
  switchport mode access
!
interface GigabitEthernet1/0/20
  switchport mode access
!
interface GigabitEthernet1/0/21
  description *** MOTOROLA PTP 600 TO RICCIUTI TOWER ***
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 670
  switchport trunk allowed vlan 670
  switchport mode trunk
!
interface GigabitEthernet1/0/22
  description *** MOTOROLA PTP 600 TO PAGANANO TOWER ***
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 669
  switchport trunk allowed vlan 669
  switchport mode trunk
!
interface GigabitEthernet1/0/23
  description *** MOTOROLA PTP 600 TO POLICE ***
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 667
  switchport trunk allowed vlan 667
  switchport mode trunk
!
```

```
interface GigabitEthernet1/0/24
  description *** MOTOROLA PTP 600 TO NORTH QUINCY HS ***
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 668
  switchport trunk allowed vlan 668
  switchport mode trunk
!
interface GigabitEthernet1/0/25
!
interface GigabitEthernet1/0/26
!
interface GigabitEthernet1/0/27
!
interface GigabitEthernet1/0/28
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 661
  switchport mode trunk
  channel-group 1 mode active
!
interface GigabitEthernet2/0/1
!
interface GigabitEthernet2/0/2
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
!
interface GigabitEthernet2/0/5
!
interface GigabitEthernet2/0/6
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
!
interface GigabitEthernet2/0/9
!
interface GigabitEthernet2/0/10
!
interface GigabitEthernet2/0/11
!
interface GigabitEthernet2/0/12
!
interface GigabitEthernet2/0/13
!
interface GigabitEthernet2/0/14
!
interface GigabitEthernet2/0/15
!
interface GigabitEthernet2/0/16
!
interface GigabitEthernet2/0/17
!
interface GigabitEthernet2/0/18
```

```
!  
interface GigabitEthernet2/0/19  
!  
interface GigabitEthernet2/0/20  
!  
interface GigabitEthernet2/0/21  
!  
interface GigabitEthernet2/0/22  
!  
interface GigabitEthernet2/0/23  
  description *** MOTOROLA PTP 600 TO PAGANANO TOWER ***  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 669  
  switchport trunk allowed vlan 669  
  switchport mode trunk  
!  
interface GigabitEthernet2/0/24  
  description *** MOTOROLA PTP 600 TO RICCIUTI TOWER ***  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 670  
  switchport trunk allowed vlan 670  
  switchport mode trunk  
!  
interface GigabitEthernet2/0/25  
!  
interface GigabitEthernet2/0/26  
!  
interface GigabitEthernet2/0/27  
!  
interface GigabitEthernet2/0/28  
  switchport trunk encapsulation dot1q  
  switchport trunk allowed vlan 661  
  switchport mode trunk  
  channel-group 1 mode active  
!  
interface Vlan1  
  no ip address  
  shutdown  
!  
interface Vlan602  
  ip address 172.28.38.129 255.255.255.224  
!  
interface Vlan632  
  ip address 172.28.166.1 255.255.255.224  
!  
interface Vlan661  
  description *** 2GB FIBER LINKS TO CODDINGTON CORE ***  
  bandwidth 2000000  
  ip address 172.29.48.2 255.255.255.248  
  ip ospf message-digest-key 1 md5 7 105E4D17562342181C2221783D  
  ip ospf network point-to-point  
!  
interface Vlan667  
  description *** 300MB MICROWAVE TO POLICE ***
```

```
bandwidth 300000
ip address 172.29.48.49 255.255.255.248
ip ospf message-digest-key 1 md5 7 044B4F085C151C5D193F0E440B
ip ospf network point-to-point
!
interface Vlan668
description *** 300MB MICROWAVE TO NORTH QUINCY HS ***
bandwidth 300000
ip address 172.29.48.57 255.255.255.248
ip ospf message-digest-key 1 md5 7 044B4F085C151C5D193F0E440B
ip ospf network point-to-point
!
interface Vlan669
description *** 300MB MICROWAVE TO PAGNANO TOWER ***
bandwidth 300000
ip address 172.29.48.65 255.255.255.248
ip ospf message-digest-key 1 md5 7 095C0A074A3147011B2A0F7932
ip ospf network point-to-point
!
interface Vlan670
description *** 300MB MICROWAVE TO RICCIUTI WATER TOWER ***
bandwidth 300000
ip address 172.29.48.73 255.255.255.248
ip ospf message-digest-key 1 md5 7 140756055F307A38340E38663B
ip ospf network point-to-point
!
router ospf 1001
log-adjacency-changes
auto-cost reference-bandwidth 10000
area 0 authentication message-digest
passive-interface Vlan602
passive-interface Vlan632
network 172.28.38.128 0.0.0.31 area 0
network 172.28.166.0 0.0.0.31 area 0
network 172.29.48.0 0.0.0.255 area 0
!
ip classless
no ip http server
no ip http secure-server
!
!
!
!
vstack
banner login ^CC
***** Metro Boston Homeland Security Region (MBHSR) *****
***** PSnet: Public Safety Network (www.ps-net.org) *****
.
Authorized access only! All access is logged!
Notice: Any unauthorized use of this system is unlawful and
subject to civil and criminal penalties.
Disconnect immediately if not authorized to use this system!
.
^C
```

```
!  
line con 0  
  exec-timeout 15 0  
  logging synchronous  
line vty 0 4  
  privilege level 15  
  logging synchronous  
  transport input ssh  
line vty 5 15  
  privilege level 15  
  logging synchronous  
  transport input ssh  
!  
ntp server 10.254.176.254  
ntp server 10.254.66.254  
ntp server 10.254.160.254 key 0 prefer  
end
```

```
RWT#sho clock
* 23:05:06.136 UTC Sun Apr 11 1993
RWT#sho ver
Cisco IOS Software, C3750 Software (C3750-IPSERVICESK9-M), Version
12.2(55)SE12, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2017 by Cisco Systems, Inc.
Compiled Thu 28-Sep-17 02:29 by prod_rel_team
Image text-base: 0x01000000, data-base: 0x02F00000
```

```
ROM: Bootstrap program is C3750 boot loader
BOOTLDR: C3750 Boot Loader (C3750-HBOOT-M) Version 12.2(44)SE5, RELEASE
SOFTWARE (fcl)
```

```
RWT uptime is 5 weeks, 6 days, 23 hours, 5 minutes
System returned to ROM by power-on
System image file is "flash:/c3750-ip-servicesk9-mz.122-55.SE12/c3750-
ip-servicesk9-mz.122-55.SE12.bin"
```

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:

<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

```
cisco WS-C3750G-24TS-1U (PowerPC405) processor (revision E0) with 131072K
bytes of memory.
```

```
Processor board ID FOC1120ZDHX
Last reset from power-on
3 Virtual Ethernet interfaces
56 Gigabit Ethernet interfaces
The password-recovery mechanism is enabled.
```

```
512K bytes of flash-simulated non-volatile configuration memory.
```

```
Base ethernet MAC Address       : 00:1C:0F:94:81:00
Motherboard assembly number     : 73-10219-07
Power supply part number        : 341-0098-02
Motherboard serial number       : FOC11202TBX
Power supply serial number      : DCA111490SL
Model revision number           : E0
Motherboard revision number     : B0
Model number                    : WS-C3750G-24TS-S1U
System serial number            : FOC1120ZDHX
```

```

Top Assembly Part Number      : 800-26859-01
Top Assembly Revision Number  : C0
Version ID                    : V03
CLEI Code Number              : CNMWS00ARC
Hardware Board Revision Number : 0x09

```

```

Switch Ports Model          SW Version          SW Image
-----
*  1 28      WS-C3750G-24TS-1U  12.2(55)SE12      C3750-IPSERVICESK9-M

```

Configuration register is 0xF

```

RWT#sho inv
NAME: "1", DESCR: "WS-C3750G-24TS-1U"
PID: WS-C3750G-24TS-S1U, VID: V03 , SN: FOC1120ZDHX

```

```

RWT#sho switch
Switch/Stack Mac Address : 001c.0f94.8100

```

Switch#	Role	Mac Address	Priority	H/W Version	Current State
* 1	Master	001c.0f94.8100	12	0	Ready
2	Member	0000.0000.0000	0	0	Provisioned

RWT# sho vlan

VLAN Name	Status	Ports
1. default	active	Gi1/0/13, Gi1/0/14, Gi1/0/15 Gi1/0/16, Gi1/0/17, Gi1/0/18 Gi1/0/19, Gi1/0/20, Gi1/0/21 Gi1/0/22, Gi1/0/23, Gi1/0/25 Gi1/0/26, Gi1/0/27,
607 RWT-RADIO	active	Gi1/0/1, Gi1/0/2, Gi1/0/3 Gi1/0/4, Gi1/0/5, Gi1/0/6 Gi1/0/7, Gi1/0/8, Gi1/0/9 Gi1/0/10, Gi1/0/11,
637 VLAN0637	active	
670 QMC-WT	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
607	enet	100607	1500	-	-	-	-	-	0	0

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
637	enet	100637	1500	-	-	-	-	-	0	0
670	enet	100670	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

RWT#	sho ip int br	Interface	IP-Address	OK?	Method	Status
		Vlan1	unassigned	YES	NVRAM	up
		down				
		Vlan607	172.28.38.193	YES	NVRAM	up
		Vlan670	172.29.48.74	YES	NVRAM	up
		GigabitEthernet1/0/1	unassigned	YES	unset	up
		GigabitEthernet1/0/2	unassigned	YES	unset	down
		down				
		GigabitEthernet1/0/3	unassigned	YES	unset	down
		down				
		GigabitEthernet1/0/4	unassigned	YES	unset	down
		down				
		GigabitEthernet1/0/5	unassigned	YES	unset	down
		down				
		GigabitEthernet1/0/6	unassigned	YES	unset	down
		down				
		GigabitEthernet1/0/7	unassigned	YES	unset	down
		down				
		GigabitEthernet1/0/8	unassigned	YES	unset	down
		down				
		GigabitEthernet1/0/9	unassigned	YES	unset	down
		down				
		GigabitEthernet1/0/10	unassigned	YES	unset	down
		down				

GigabitEthernet1/0/11	unassigned	YES	unset	down
down				
GigabitEthernet1/0/12	unassigned	YES	unset	down
down				
GigabitEthernet1/0/13	unassigned	YES	unset	down
down				
GigabitEthernet1/0/14	unassigned	YES	unset	down
down				
GigabitEthernet1/0/15	unassigned	YES	unset	down
down				
GigabitEthernet1/0/16	unassigned	YES	unset	down
down				
GigabitEthernet1/0/17	unassigned	YES	unset	down
down				
GigabitEthernet1/0/18	unassigned	YES	unset	down
down				
GigabitEthernet1/0/19	unassigned	YES	unset	down
down				
GigabitEthernet1/0/20	unassigned	YES	unset	down
down				
GigabitEthernet1/0/21	unassigned	YES	unset	down
down				
GigabitEthernet1/0/22	unassigned	YES	unset	down
down				
GigabitEthernet1/0/23	unassigned	YES	unset	down
down				
GigabitEthernet1/0/24	unassigned	YES	unset	up
GigabitEthernet1/0/25	unassigned	YES	unset	down
down				
GigabitEthernet1/0/26	unassigned	YES	unset	down
down				
GigabitEthernet1/0/27	unassigned	YES	unset	down
down				
GigabitEthernet1/0/28	unassigned	YES	unset	down
down				
GigabitEthernet2/0/1	unassigned	YES	unset	down
down				
GigabitEthernet2/0/2	unassigned	YES	unset	down
down				
GigabitEthernet2/0/3	unassigned	YES	unset	down
down				
GigabitEthernet2/0/4	unassigned	YES	unset	down
down				
GigabitEthernet2/0/5	unassigned	YES	unset	down
down				
GigabitEthernet2/0/6	unassigned	YES	unset	down
down				
GigabitEthernet2/0/7	unassigned	YES	unset	down
down				
GigabitEthernet2/0/8	unassigned	YES	unset	down
down				
GigabitEthernet2/0/9	unassigned	YES	unset	down
down				

up

```

GigabitEthernet2/0/10  unassigned      YES unset  down
down
GigabitEthernet2/0/11  unassigned      YES unset  down
down
GigabitEthernet2/0/12  unassigned      YES unset  down
down
GigabitEthernet2/0/13  unassigned      YES unset  down
down
GigabitEthernet2/0/14  unassigned      YES unset  down
down
GigabitEthernet2/0/15  unassigned      YES unset  down
down
GigabitEthernet2/0/16  unassigned      YES unset  down
down
GigabitEthernet2/0/17  unassigned      YES unset  down
down
GigabitEthernet2/0/18  unassigned      YES unset  down
down
GigabitEthernet2/0/19  unassigned      YES unset  down
down
GigabitEthernet2/0/20  unassigned      YES unset  down
down
GigabitEthernet2/0/21  unassigned      YES unset  down
down
GigabitEthernet2/0/22  unassigned      YES unset  down
down
GigabitEthernet2/0/23  unassigned      YES unset  down
down
GigabitEthernet2/0/24  unassigned      YES unset  down
down
GigabitEthernet2/0/25  unassigned      YES unset  down
down
GigabitEthernet2/0/26  unassigned      YES unset  down
down
GigabitEthernet2/0/27  unassigned      YES unset  down
down
GigabitEthernet2/0/28  unassigned      YES unset  down
down

```

```

RWT#      sho mac add
RWT#      sho mac address-table
          Mac Address Table

```

```

-----
Vlan      Mac Address      Type      Ports
-----
All       0100.0ccc.cccc   STATIC    CPU
All       0100.0ccc.cccd   STATIC    CPU
All       0180.c200.0000   STATIC    CPU
All       0180.c200.0001   STATIC    CPU
All       0180.c200.0002   STATIC    CPU
All       0180.c200.0003   STATIC    CPU
All       0180.c200.0004   STATIC    CPU
All       0180.c200.0005   STATIC    CPU
All       0180.c200.0006   STATIC    CPU

```

```
All    0180.c200.0007    STATIC    CPU
All    0180.c200.0008    STATIC    CPU
All    0180.c200.0009    STATIC    CPU
All    0180.c200.000a    STATIC    CPU
All    0180.c200.000b    STATIC    CPU
All    0180.c200.000c    STATIC    CPU
All    0180.c200.000d    STATIC    CPU
All    0180.c200.000e    STATIC    CPU
All    0180.c200.000f    STATIC    CPU
All    0180.c200.0010    STATIC    CPU
All    ffff.ffff.ffff    STATIC    CPU
607    0024.albc.a4ea    DYNAMIC   Gi1/0/1
670    001c.0f94.5d95    DYNAMIC   Gi1/0/24
670    001c.0f94.5dc7    DYNAMIC   Gi1/0/24
```

Total Mac Addresses for this criterion: 23

RWT#sho start

Using 4774 out of 524288 bytes

```
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
!
hostname RWT
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
!
!
!
aaa session-id common
switch 1 provision ws-c3750g-24ts-1u
switch 2 provision ws-c3750g-24ts-1u
system mtu routing 1500
vtp mode transparent
ip routing
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
!
!
```

```
crypto pki trustpoint TP-self-signed-261390592
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-261390592
  revocation-check none
  rsakeypair TP-self-signed-261390592
!
!
crypto pki certificate chain TP-self-signed-261390592
  certificate self-signed 01 nvram:IOS-Self-Sig#3233.cer
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 607
  name RWT-RADIO
!
vlan 637
!
vlan 670
  name QMC-WT
!
!
!
!
interface GigabitEthernet1/0/1
  switchport access vlan 607
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/2
  switchport access vlan 607
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/3
  switchport access vlan 607
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/4
  switchport access vlan 607
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/5
  switchport access vlan 607
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/0/6
```

```
switchport access vlan 607
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/7
switchport access vlan 607
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/8
switchport access vlan 607
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/9
switchport access vlan 607
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/10
switchport access vlan 607
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/11
switchport access vlan 607
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/12
switchport access vlan 607
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/0/13
!
interface GigabitEthernet1/0/14
!
interface GigabitEthernet1/0/15
!
interface GigabitEthernet1/0/16
!
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
!
```

```
interface GigabitEthernet1/0/23
!
interface GigabitEthernet1/0/24
  description *** MOTOROLA PTP 600 TO RICCIUTI TOWER ***
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 670
  switchport trunk allowed vlan 670
  switchport mode trunk
!
interface GigabitEthernet1/0/25
!
interface GigabitEthernet1/0/26
!
interface GigabitEthernet1/0/27
!
interface GigabitEthernet1/0/28
!
interface GigabitEthernet2/0/1
!
interface GigabitEthernet2/0/2
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
!
interface GigabitEthernet2/0/5
!
interface GigabitEthernet2/0/6
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
!
interface GigabitEthernet2/0/9
!
interface GigabitEthernet2/0/10
!
interface GigabitEthernet2/0/11
!
interface GigabitEthernet2/0/12
!
interface GigabitEthernet2/0/13
!
interface GigabitEthernet2/0/14
!
interface GigabitEthernet2/0/15
!
interface GigabitEthernet2/0/16
!
interface GigabitEthernet2/0/17
!
interface GigabitEthernet2/0/18
!
interface GigabitEthernet2/0/19
```

```
!  
interface GigabitEthernet2/0/20  
!  
interface GigabitEthernet2/0/21  
!  
interface GigabitEthernet2/0/22  
!  
interface GigabitEthernet2/0/23  
!  
interface GigabitEthernet2/0/24  
!  
interface GigabitEthernet2/0/25  
!  
interface GigabitEthernet2/0/26  
!  
interface GigabitEthernet2/0/27  
!  
interface GigabitEthernet2/0/28  
!  
interface Vlan1  
  no ip address  
!  
interface Vlan607  
  ip address 172.28.38.193 255.255.255.240  
!  
interface Vlan670  
  bandwidth 300000  
  ip address 172.29.48.74 255.255.255.248  
  ip ospf message-digest-key 1 md5 7 1315531C583854393B0223602C  
  ip ospf network point-to-point  
!  
router ospf 1001  
  log-adjacency-changes  
  auto-cost reference-bandwidth 10000  
  area 0 authentication message-digest  
  passive-interface Vlan607  
  network 172.28.38.192 0.0.0.15 area 0  
  network 172.29.48.0 0.0.0.255 area 0  
!  
ip classless  
ip http server  
ip http secure-server  
!  
!  
!  
!  
vstack  
!  
line con 0  
  logging synchronous  
line vty 0 4  
  privilege level 15  
  transport input ssh  
line vty 5 15
```

```
privilege level 15
transport input ssh
!
end
```

```
RWT#          sho run
Building configuration...
```

```
Current configuration : 6123 bytes
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
!
hostname RWT
!
boot-start-marker
boot-end-marker
!
no logging console
!
username ftgtech privilege 15 password 7 121F11410658440C043E75
!
!
aaa new-model
!
!
!
!
!
aaa session-id common
switch 1 provision ws-c3750g-24ts-1u
switch 2 provision ws-c3750g-24ts-1u
system mtu routing 1500
vtp mode transparent
ip routing
ip domain-name ps-net.org
ip name-server 10.254.192.1
!
!
!
!
crypto pki trustpoint TP-self-signed-261390592
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-261390592
  revocation-check none
  rsakeypair TP-self-signed-261390592
!
!
crypto pki certificate chain TP-self-signed-261390592
```

```
certificate self-signed 01
 30820244 308201AD A0030201 02020101 300D0609 2A864886 F70D0101 04050030
 30312E30 2C060355 04031325 494F532D 53656C66 2D536967 6E65642D 43657274
 69666963 6174652D 32363133 39303539 32301E17 0D393330 33303130 30313533
 325A170D 32303031 30313030 30303030 5A303031 2E302C06 03550403 1325494F
 532D5365 6C662D53 69676E65 642D4365 72746966 69636174 652D3236 31333930
 35393230 819F300D 06092A86 4886F70D 01010105 0003818D 00308189 02818100
 B7C3589A 47FF2521 C6216824 B6686E0A A63DEB9D 54B1AA53 18EF82F2 B817F830
 87E5DC8B 59759421 3113782B 959519A2 01DF5B7C 811562BD D4F304EC 5BC9543F
 DB465A4D 9E56A9B2 FFD40C52 E6EC0370 A5A351E3 7618F34B 19D9DB4B 1AF4803C
 D6866179 1D61D3EA 3897781C B0CAF084 079DFBEC C6D789BE D7B683ED 825E9E85
 02030100 01A36E30 6C300F06 03551D13 0101FF04 05300301 01FF3019 0603551D
 11041230 10820E52 57542E70 732D6E65 742E6F72 67301F06 03551D23 04183016
 80143818 0A5471E8 AC02879C D8F70CB7 EF76CFE6 EDD3301D 0603551D 0E041604
 1438180A 5471E8AC 02879CD8 F70CB7EF 76CFE6ED D3300D06 092A8648 86F70D01
 01040500 03818100 1A528B96 5788FF9A 20B0D4B1 A59D3459 04851B99 14BCFA78
 1A886CCD 8EDAE9D0 9468071F 17082315 8691614B A3466AEA 121D7277 0E4968F5
 B57D7BBD 1D3703B4 5FC0C9BD 7645E842 968059FB F3D6E05A A1A038CA 9579714B
 B2EA1BEA 07E773C7 A9DEB745 F4CF53AF 55918D59 38C693C8 76AFA602 8B2B07B3
 9BC468EC E6CE822B
quit
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 607
 name RWT-RADIO
!
vlan 637
!
vlan 670
 name QMC-WT
!
!
!
!
interface GigabitEthernet1/0/1
 switchport access vlan 607
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet1/0/2
 switchport access vlan 607
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet1/0/3
 switchport access vlan 607
 switchport mode access
 spanning-tree portfast
```

```
!  
interface GigabitEthernet1/0/4  
  switchport access vlan 607  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/5  
  switchport access vlan 607  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/6  
  switchport access vlan 607  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/7  
  switchport access vlan 607  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/8  
  switchport access vlan 607  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/9  
  switchport access vlan 607  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/10  
  switchport access vlan 607  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/11  
  switchport access vlan 607  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/12  
  switchport access vlan 607  
  switchport mode access  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/13  
!  
interface GigabitEthernet1/0/14  
!  
interface GigabitEthernet1/0/15  
!  
interface GigabitEthernet1/0/16  
!
```

```
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
!
interface GigabitEthernet1/0/23
!
interface GigabitEthernet1/0/24
  description *** MOTOROLA PTP 600 TO RICCIUTI TOWER ***
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 670
  switchport trunk allowed vlan 670
  switchport mode trunk
!
interface GigabitEthernet1/0/25
!
interface GigabitEthernet1/0/26
!
interface GigabitEthernet1/0/27
!
interface GigabitEthernet1/0/28
!
interface GigabitEthernet2/0/1
!
interface GigabitEthernet2/0/2
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
!
interface GigabitEthernet2/0/5
!
interface GigabitEthernet2/0/6
!
interface GigabitEthernet2/0/7
!
interface GigabitEthernet2/0/8
!
interface GigabitEthernet2/0/9
!
interface GigabitEthernet2/0/10
!
interface GigabitEthernet2/0/11
!
interface GigabitEthernet2/0/12
!
interface GigabitEthernet2/0/13
```

```
!  
interface GigabitEthernet2/0/14  
!  
interface GigabitEthernet2/0/15  
!  
interface GigabitEthernet2/0/16  
!  
interface GigabitEthernet2/0/17  
!  
interface GigabitEthernet2/0/18  
!  
interface GigabitEthernet2/0/19  
!  
interface GigabitEthernet2/0/20  
!  
interface GigabitEthernet2/0/21  
!  
interface GigabitEthernet2/0/22  
!  
interface GigabitEthernet2/0/23  
!  
interface GigabitEthernet2/0/24  
!  
interface GigabitEthernet2/0/25  
!  
interface GigabitEthernet2/0/26  
!  
interface GigabitEthernet2/0/27  
!  
interface GigabitEthernet2/0/28  
!  
interface Vlan1  
  no ip address  
!  
interface Vlan607  
  ip address 172.28.38.193 255.255.255.240  
!  
interface Vlan670  
  bandwidth 300000  
  ip address 172.29.48.74 255.255.255.248  
  ip ospf message-digest-key 1 md5 7 1315531C583854393B0223602C  
  ip ospf network point-to-point  
!  
router ospf 1001  
  log-adjacency-changes  
  auto-cost reference-bandwidth 10000  
  area 0 authentication message-digest  
  passive-interface Vlan607  
  network 172.28.38.192 0.0.0.15 area 0  
  network 172.29.48.0 0.0.0.255 area 0  
!  
ip classless  
ip http server  
ip http secure-server
```

```
!  
!  
!  
!  
vstack  
!  
line con 0  
  logging synchronous  
line vty 0 4  
  privilege level 15  
  transport input ssh  
line vty 5 15  
  privilege level 15  
  transport input ssh  
!  
end
```