APPENDIX E

Detailed Full Running Configurations

This appendix includes the following device configurations:

- Branch Configurations
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- Internet Edge Configurations
  - Cisco Firewall Service Module, page E-165
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– Cisco 7200 Edge Router, page E-186
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– Cisco 7206 VXR Router, page E-200
– Cisco Adaptive Security Appliance, page E-205

ASA-DC-1

```
: Saved
:
ASA Version 8.4(1) <context>
!
firewall transparent
hostname dca-vc1
domain-name cisco-irn.com
enable password <removed> encrypted
passwd <removed> encrypted
names
!
interface outside
 nameif north
 bridge-group 1
 security-level 0
!
interface inside
 nameif south
 bridge-group 1
 security-level 100
!
interface BVI1
 ip address 192.168.162.21 255.255.255.0 standby 192.168.162.22
!
dns domain-lookup south
dns server-group DefaultDNS
 name-server 192.168.42.130
 domain-name cisco-irn.com
object-group network AdminStation
 network-object 192.168.41.101 255.255.255.255
object-group network AdminStation2
 network-object 192.168.41.102 255.255.255.255
object-group network AdminStation4-bart
 network-object 10.19.151.99 255.255.255.255
object-group network CSM_INLINE_src_rule_77309411633
 description Generated by CS-Manager from src of FirewallRule# 2
(ASA-DC-1-vdc1_v1/mandatory)
 group-object AdminStation
 group-object AdminStation2
 group-object AdminStation4-bart
object-group network DC-ALL
 description All of the Data Center
 network-object 192.168.0.0 255.255.0.0
object-group network Stores-ALL
 description all store networks
```

```
 network-object 10.10.0.0 255.255.0.0
object-group network CSM_INLINE_dst_rule_77309411633
 description Generated by CS-Manager from dst of FirewallRule# 2
(ASA-DC-1-vdc1_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
object-group network EMC-NCM
 description EMC Network Configuration Manager
 network-object 192.168.42.122 255.255.255.255
object-group network CSManager
 description Cisco Security Manager
 network-object 192.168.42.133 255.255.255.255
object-group network RSA-enVision
 description RSA EnVision Syslog collector and SIM
 network-object 192.168.42.124 255.255.255.255
object-group network AdminStation3
 network-object 192.168.42.138 255.255.255.255
object-group network Admin-Systems
 group-object EMC-NCM
 group-object AdminStation
 group-object AdminStation2
 group-object CSManager
 group-object RSA-enVision
 group-object AdminStation3
 group-object AdminStation4-bart
object-group network DC-DMZ
 description (Optimized by CS-Manager)
 network-object 192.168.20.0 255.255.252.0
 network-object 192.168.24.0 255.255.255.0
object-group network CSM_INLINE_dst_rule_77309411635
 description Generated by CS-Manager from dst of FirewallRule# 3
(ASA-DC-1-vdc1_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
 group-object DC-DMZ
object-group network CSM_INLINE_src_rule_77309414079
 description Generated by CS-Manager from src of FirewallRule# 4
(ASA-DC-1-vdc1_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
object-group network CSM_INLINE_src_rule_77309414081
 description Generated by CS-Manager from src of FirewallRule# 5
(ASA-DC-1-vdc1_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
object-group network ActiveDirectory.cisco-irn.com
 network-object 192.168.42.130 255.255.255.255
object-group network vSphere-1
 description vSphere server for Lab
 network-object 192.168.41.102 255.255.255.255
object-group network WCSManager
 description Wireless Manager
 network-object 192.168.43.135 255.255.255.255
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for stores
 network-object 192.168.43.21 255.255.255.255
 network-object 192.168.43.22 255.255.255.255
object-group network DC-Wifi-MSE
 description Mobility Service Engines
 network-object 192.168.43.31 255.255.255.255
 network-object 192.168.43.32 255.255.255.255
object-group network CSM_INLINE_src_rule_77309411641
 description Generated by CS-Manager from src of FirewallRule# 9
(ASA-DC-1-vdc1_v1/mandatory)
```

```
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
object-group network PAME-DC-1
 network-object 192.168.44.111 255.255.255.255
object-group network MSP-DC-1
 description Data Center VSOM
 network-object 192.168.44.121 255.255.255.255
object-group network CSM_INLINE_src_rule_77309411643
 description Generated by CS-Manager from src of FirewallRule# 10
(ASA-DC-1-vdc1_v1/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
object-group network DC-WAAS
 description WAE Appliances in Data Center
 network-object 192.168.48.10 255.255.255.255
 network-object 192.168.49.10 255.255.255.255
 network-object 192.168.47.11 255.255.255.255
 network-object 192.168.47.12 255.255.255.255
object-group network CSM_INLINE_src_rule_77309414071
 description Generated by CS-Manager from src of FirewallRule# 15
(ASA-DC-1-vdc1_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
object-group network NTP-Servers
 description NTP Servers
 network-object 192.168.62.161 255.255.255.255
 network-object 162.168.62.162 255.255.255.255
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 network-object 192.168.42.131 255.255.255.255
object-group network RSA-AM
 description RSA Authentication Manager for SecureID
 network-object 192.168.42.137 255.255.255.255
object-group network NAC-2
 network-object 192.168.42.112 255.255.255.255
object-group network NAC-1
 description ISE server for NAC
 network-object 192.168.42.111 255.255.255.255
object-group network CSM_INLINE_dst_rule_77309411663
 description Generated by CS-Manager from dst of FirewallRule# 25
(ASA-DC-1-vdc1_v1/mandatory)
 group-object TACACS
 group-object RSA-AM
 group-object NAC-2
 group-object NAC-1
object-group network CSM_INLINE_dst_rule_77309411665
 description Generated by CS-Manager from dst of FirewallRule# 26
(ASA-DC-1-vdc1_v1/mandatory)
 group-object NAC-2
 group-object NAC-1
object-group network CSM_INLINE_dst_rule_77309411669
 description Generated by CS-Manager from dst of FirewallRule# 28
(ASA-DC-1-vdc1_v1/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
object-group network CSM_INLINE_dst_rule_77309411671
 description Generated by CS-Manager from dst of FirewallRule# 29
(ASA-DC-1-vdc1_v1/mandatory)
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
object-group network MS-Update
 description Windows Update Server
 network-object 192.168.42.150 255.255.255.255
```

```
object-group network MSExchange
 description Mail Server
 network-object 192.168.42.140 255.255.255.255
object-group network POS-Store-Conv
 network-object 10.10.160.81 255.255.255.255
object-group network POS-Store-MSP
 network-object 10.10.176.81 255.255.255.255
object-group network POS-Store-SMALL-1
 description Small Store POS devices
 network-object 10.10.128.81 255.255.255.255
 network-object 10.10.128.82 255.255.255.255
object-group network POS-Store-Medium
 network-object 10.10.112.81 255.255.255.255
 network-object 10.10.125.40 255.255.255.255
object-group network POS-Store-Mini
 network-object 10.10.144.81 255.255.255.255
object-group network POS-Store-3g
 network-object 10.10.192.82 255.255.255.255
object-group network POS-Store-Large
 network-object 10.10.96.81 255.255.255.255
 network-object 10.10.96.82 255.255.255.255
object-group network CSM_INLINE_src_rule_77309411683
 description Generated by CS-Manager from src of FirewallRule# 35
(ASA-DC-1-vdc1_v1/mandatory)
 group-object POS-Store-Conv
 group-object POS-Store-MSP
 group-object POS-Store-SMALL-1
 group-object POS-Store-Medium
 group-object POS-Store-Mini
 group-object POS-Store-3g
 group-object POS-Store-Large
object-group network DC-POS-Tomax
 description Tomax POS Communication from Store to Data Center
 network-object 192.168.52.96 255.255.255.224
object-group network DC-POS
 description POS in the Data Center
 network-object 192.168.52.0 255.255.255.0
object-group network DC-POS-SAP
 description SAP POS Communication from Store to Data Center
 network-object 192.168.52.144 255.255.255.240
object-group network DC-POS-Oracle
 description Oracle POS Communication from Store to Data Center
 network-object 192.168.52.128 255.255.255.240
object-group network CSM_INLINE_dst_rule_77309411683
 description Generated by CS-Manager from dst of FirewallRule# 35
(ASA-DC-1-vdc1_v1/mandatory)
 group-object DC-POS-Tomax
 group-object DC-POS
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
object-group network CSM_INLINE_src_rule_77309414158
 description Generated by CS-Manager from src of FirewallRule# 36
(ASA-DC-1-vdc1_v1/mandatory)
 network-object 192.168.22.11 255.255.255.255
 network-object 192.168.22.12 255.255.255.255
 network-object 192.168.21.0 255.255.255.0
object-group network CSM_INLINE_src_rule_77309414160
 description Generated by CS-Manager from src of FirewallRule# 37
(ASA-DC-1-vdc1_v1/mandatory)
 network-object 192.168.22.11 255.255.255.255
 network-object 192.168.22.12 255.255.255.255
 network-object 192.168.21.0 255.255.255.0
object-group network CSM_INLINE_src_rule_77309414162
```

```
 description Generated by CS-Manager from src of FirewallRule# 38
(ASA-DC-1-vdc1_v1/mandatory)
 network-object 192.168.22.11 255.255.255.255
 network-object 192.168.22.12 255.255.255.255
 network-object 192.168.21.0 255.255.255.0
object-group service HTTPS-8443
 service-object tcp destination eq 8443
object-group service CSM_INLINE_svc_rule_77309411635
 description Generated by CS-Manager from service of FirewallRule# 3
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq ssh
 service-object tcp destination eq https
 group-object HTTPS-8443
object-group service CSM_INLINE_svc_rule_77309414079
 description Generated by CS-Manager from service of FirewallRule# 4
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq smtp
 service-object tcp destination eq https
 service-object tcp destination eq ssh
object-group service CSM_INLINE_svc_rule_77309414081
 description Generated by CS-Manager from service of FirewallRule# 5
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq ssh
object-group service RPC
 service-object tcp destination eq 135
object-group service LDAP-GC
 service-object tcp destination eq 3268
object-group service LDAP-GC-SSL
 service-object tcp destination eq 3269
object-group service DNS-Resolving
 description Domain Name Server
 service-object tcp destination eq domain
 service-object udp destination eq domain
object-group service Kerberos-TCP
 service-object tcp destination eq 88
object-group service Microsoft-DS-SMB
 description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
 service-object tcp destination eq 445
object-group service LDAP-UDP
 service-object udp destination eq 389
object-group service RPC-HighPorts
 service-object tcp destination range 1024 65535
object-group service CSM_INLINE_svc_rule_77309411637
 description Generated by CS-Manager from service of FirewallRule# 7
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq ldap
 service-object tcp destination eq ldaps
 service-object udp destination eq 88
 service-object udp destination eq ntp
 service-object udp destination eq netbios-dgm
 group-object RPC
 group-object LDAP-GC
 group-object LDAP-GC-SSL
 group-object DNS-Resolving
 group-object Kerberos-TCP
 group-object Microsoft-DS-SMB
 group-object LDAP-UDP
 group-object RPC-HighPorts
object-group service vCenter-to-ESX4
 description Communication from vCetner to ESX hosts
 service-object tcp destination eq 5989
 service-object tcp destination eq 8000
 service-object tcp destination eq 902
```

```
 service-object tcp destination eq 903
object-group service CSM_INLINE_svc_rule_77309411639
 description Generated by CS-Manager from service of FirewallRule# 8
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq ssh
 group-object vCenter-to-ESX4
object-group service IP-Protocol-97
 description IP protocol 97
 service-object 97
object-group service TFTP
 description Trivial File Transfer
 service-object tcp destination eq 69
 service-object udp destination eq tftp
object-group service LWAPP
 description LWAPP UDP ports 12222 and 12223
 service-object udp destination eq 12222
 service-object udp destination eq 12223
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 service-object udp destination eq 5246
 service-object udp destination eq 5247
object-group service CSM_INLINE_svc_rule_77309411641
 description Generated by CS-Manager from service of FirewallRule# 9
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq www
 service-object udp destination eq isakmp
 service-object tcp destination eq telnet
 service-object tcp destination eq ssh
 group-object IP-Protocol-97
 group-object TFTP
 group-object LWAPP
 group-object CAPWAP
object-group service TCP1080
 service-object tcp destination eq 1080
object-group service TCP8080
 service-object tcp destination eq 8080
object-group service RDP
 description Windows Remote Desktop
 service-object tcp destination eq 3389
object-group service CSM_INLINE_svc_rule_77309411645
 description Generated by CS-Manager from service of FirewallRule# 11
(ASA-DC-1-vdc1_v1/mandatory)
 service-object icmp echo
 service-object icmp echo-reply
 service-object tcp destination eq www
 service-object tcp destination eq https
 service-object tcp destination eq ssh
 service-object tcp destination eq ftp
 group-object HTTPS-8443
 group-object TCP1080
 group-object TCP8080
 group-object RDP
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 service-object tcp destination eq 4050
object-group service Netbios
 description Netbios Servers
 service-object udp destination eq netbios-dgm
 service-object udp destination eq netbios-ns
 service-object tcp destination eq netbios-ssn
object-group service CSM_INLINE_svc_rule_77309411647
```

```
 description Generated by CS-Manager from service of FirewallRule# 12
(ASA-DC-1-vdc1_v1/mandatory)
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
 group-object Netbios
object-group service CSM_INLINE_svc_rule_77309411649
 description Generated by CS-Manager from service of FirewallRule# 13
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp-udp destination eq sip
 service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_77309414071
 description Generated by CS-Manager from service of FirewallRule# 15
(ASA-DC-1-vdc1_v1/mandatory)
 service-object icmp echo
 service-object icmp echo-reply
 service-object icmp unreachable
 service-object tcp destination eq www
 service-object tcp destination eq https
 service-object tcp destination eq ftp
 service-object tcp destination eq ssh
 group-object TCP1080
 group-object TCP8080
 group-object RDP
object-group service NTP
 description NTP Protocols
 service-object tcp destination eq 123
 service-object udp destination eq ntp
object-group service CSM_INLINE_svc_rule_77309414073
 description Generated by CS-Manager from service of FirewallRule# 16
(ASA-DC-1-vdc1_v1/mandatory)
 group-object DNS-Resolving
 group-object NTP
object-group service CSM_INLINE_svc_rule_77309414077
 description Generated by CS-Manager from service of FirewallRule# 18
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq ldap
 service-object tcp destination eq ldaps
 group-object LDAP-GC
 group-object LDAP-GC-SSL
 group-object LDAP-UDP
object-group service CSM_INLINE_svc_rule_77309411655
 description Generated by CS-Manager from service of FirewallRule# 21
(ASA-DC-1-vdc1_v1/mandatory)
 service-object udp destination eq snmptrap
 service-object udp destination eq snmp
 service-object udp destination eq syslog
object-group service CSM_INLINE_svc_rule_77309411657
 description Generated by CS-Manager from service of FirewallRule# 22
(ASA-DC-1-vdc1_v1/mandatory)
 service-object udp destination eq domain
 service-object tcp destination eq ldap
 service-object tcp destination eq ldaps
object-group service CSM_INLINE_svc_rule_77309411663
 description Generated by CS-Manager from service of FirewallRule# 25
(ASA-DC-1-vdc1_v1/mandatory)
 service-object udp destination eq 1812
 service-object udp destination eq 1813
object-group service CSM_INLINE_svc_rule_77309411665
 description Generated by CS-Manager from service of FirewallRule# 26
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq www
 group-object HTTPS-8443
```

```
object-group service ESX-SLP
 description CIM Service Location Protocol (SLP) for VMware systems
 service-object udp destination eq 427
 service-object tcp destination eq 427
object-group service CSM_INLINE_svc_rule_77309411667
 description Generated by CS-Manager from service of FirewallRule# 27
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq www
 service-object tcp destination eq ssh
 group-object vCenter-to-ESX4
 group-object ESX-SLP
object-group service Cisco-Mobility
 description Mobility ports for Wireless
 service-object udp destination eq 16666
 service-object udp destination eq 16667
object-group service CSM_INLINE_svc_rule_77309411671
 description Generated by CS-Manager from service of FirewallRule# 29
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq https
 service-object udp destination eq isakmp
 group-object Cisco-Mobility
 group-object IP-Protocol-97
 group-object LWAPP
 group-object CAPWAP
object-group service CSM_INLINE_svc_rule_77309411673
 description Generated by CS-Manager from service of FirewallRule# 30
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp-udp destination eq sip
 service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_77309411675
 description Generated by CS-Manager from service of FirewallRule# 31
(ASA-DC-1-vdc1_v1/mandatory)
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
 group-object Netbios
object-group service CSM_INLINE_svc_rule_77309411677
 description Generated by CS-Manager from service of FirewallRule# 32
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq ldap
 service-object tcp destination eq ldaps
 service-object udp destination eq 88
 service-object udp destination eq ntp
 service-object udp destination eq netbios-dgm
 group-object RPC
 group-object LDAP-GC
 group-object LDAP-GC-SSL
 group-object DNS-Resolving
 group-object Kerberos-TCP
 group-object Microsoft-DS-SMB
 group-object LDAP-UDP
 group-object RPC-HighPorts
object-group service CSM_INLINE_svc_rule_77309411679
 description Generated by CS-Manager from service of FirewallRule# 33
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq www
 service-object tcp destination eq https
object-group service CSM_INLINE_svc_rule_77309411681
 description Generated by CS-Manager from service of FirewallRule# 34
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq www
 service-object tcp destination eq https
 service-object tcp destination eq smtp
```

```
 service-object tcp destination eq pop3
 service-object tcp destination eq imap4
object-group service CSM_INLINE_svc_rule_77309414166
 description Generated by CS-Manager from service of FirewallRule# 40
(ASA-DC-1-vdc1_v1/mandatory)
 service-object tcp destination eq smtp
 group-object DNS-Resolving
object-group service CSM_INLINE_svc_rule_77309414172
 description Generated by CS-Manager from service of FirewallRule# 43
(ASA-DC-1-vdc1_v1/mandatory)
 service-object udp destination eq 1812
 service-object udp destination eq 1813
object-group service CSM_INLINE_svc_rule_77309414176
 description Generated by CS-Manager from service of FirewallRule# 45
(ASA-DC-1-vdc1_v1/mandatory)
 service-object icmp
 service-object tcp destination eq ssh
 service-object tcp destination eq telnet
 service-object tcp destination eq www
 service-object tcp destination eq https
 service-object tcp destination eq 8880
 service-object tcp destination eq 8444
 service-object tcp destination eq 5900
 service-object tcp destination eq 5800
 group-object RDP
 group-object TCP1080
 group-object TCP8080
 group-object TFTP
 group-object HTTPS-8443
 group-object vCenter-to-ESX4
access-list CSM_FW_ACL_north extended permit ospf 192.168.162.0 255.255.255.0
192.168.162.0 255.255.255.0
access-list CSM_FW_ACL_north extended permit tcp object-group Stores-ALL object-group
EMC-NCM eq ssh
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411655
object-group Stores-ALL object-group RSA-enVision
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411657
object-group Stores-ALL object-group ActiveDirectory.cisco-irn.com
access-list CSM_FW_ACL_north extended permit tcp object-group Stores-ALL object-group
TACACS eq tacacs
access-list CSM_FW_ACL_north extended permit udp object-group Stores-ALL object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411663
object-group Stores-ALL object-group CSM_INLINE_dst_rule_77309411663
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411665
object-group Stores-ALL object-group CSM_INLINE_dst_rule_77309411665
access-list CSM_FW_ACL_north remark VMWare ESX to Data Center
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411667
object-group Stores-ALL object-group vSphere-1
access-list CSM_FW_ACL_north remark Physical security systems
access-list CSM_FW_ACL_north extended permit tcp object-group Stores-ALL object-group
CSM_INLINE_dst_rule_77309411669 eq https
access-list CSM_FW_ACL_north remark Wireless control systems
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411671
object-group Stores-ALL object-group CSM_INLINE_dst_rule_77309411671
access-list CSM_FW_ACL_north remark Voice calls
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411673
object-group Stores-ALL object-group DC-ALL
access-list CSM_FW_ACL_north remark WAAS systems
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411675
object-group Stores-ALL object-group DC-WAAS
access-list CSM_FW_ACL_north remark Allow Active Directory Domain
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411677
object-group Stores-ALL object-group ActiveDirectory.cisco-irn.com
```

```
access-list CSM_FW_ACL_north remark Allow Windows Updates
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411679
object-group Stores-ALL object-group MS-Update
access-list CSM_FW_ACL_north remark Allow Mail
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411681
object-group Stores-ALL object-group MSExchange
access-list CSM_FW_ACL_north remark Allow Applications
access-list CSM_FW_ACL_north extended permit tcp object-group
CSM_INLINE_src_rule_77309411683 object-group CSM_INLINE_dst_rule_77309411683 eq https
access-list CSM_FW_ACL_north extended permit udp object-group
CSM_INLINE_src_rule_77309414158 object-group NTP-Servers eq ntp
access-list CSM_FW_ACL_north remark - RIE-2
access-list CSM_FW_ACL_north extended permit udp object-group
CSM_INLINE_src_rule_77309414160 object-group RSA-enVision eq syslog
access-list CSM_FW_ACL_north extended permit tcp object-group
CSM_INLINE_src_rule_77309414162 object-group TACACS eq tacacs
access-list CSM_FW_ACL_north extended permit udp 192.168.21.0 255.255.255.0 object-group
ActiveDirectory.cisco-irn.com eq domain
access-list CSM_FW_ACL_north remark Ironport traffic in from DNZ
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309414166
host 192.168.23.68 any
access-list CSM_FW_ACL_north extended permit udp host 192.168.23.68 object-group
RSA-enVision eq syslog
access-list CSM_FW_ACL_north extended permit udp host 192.168.23.68 object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309414172
host 192.168.23.68 object-group TACACS
access-list CSM_FW_ACL_north remark Drop all other traffic
access-list CSM_FW_ACL_north extended deny ip any any log
access-list CSM_FW_ACL_south extended permit ospf 192.168.162.0 255.255.255.0
192.168.162.0 255.255.255.0
access-list CSM_FW_ACL_south extended permit ip object-group
CSM_INLINE_src_rule_77309411633 object-group CSM_INLINE_dst_rule_77309411633
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411635
object-group Admin-Systems object-group CSM_INLINE_dst_rule_77309411635
access-list CSM_FW_ACL_south remark Allow services for Ironport apps
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309414079
object-group CSM_INLINE_src_rule_77309414079 192.168.23.64 255.255.255.224
access-list CSM_FW_ACL_south remark Allow traffic to DMZ
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309414081
object-group CSM_INLINE_src_rule_77309414081 host 192.168.20.30
access-list CSM_FW_ACL_south remark Drop unauthorized traffic to DMZ
access-list CSM_FW_ACL_south extended deny ip any 192.168.20.0 255.255.252.0 log
access-list CSM_FW_ACL_south remark Allow Active Directory Domain
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411637
object-group ActiveDirectory.cisco-irn.com object-group Stores-ALL
access-list CSM_FW_ACL_south remark VMWare - ESX systems
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411639
object-group vSphere-1 object-group Stores-ALL
access-list CSM_FW_ACL_south remark Wireless Management to Stores
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411641
object-group CSM_INLINE_src_rule_77309411641 object-group Stores-ALL
access-list CSM_FW_ACL_south remark Physical security systems
access-list CSM_FW_ACL_south extended permit tcp object-group
CSM_INLINE_src_rule_77309411643 object-group Stores-ALL eq https
access-list CSM_FW_ACL_south remark Allow Management of store systems
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411645
object-group DC-ALL object-group Stores-ALL
access-list CSM_FW_ACL_south remark WAAS systems
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411647
object-group DC-WAAS object-group Stores-ALL
access-list CSM_FW_ACL_south remark Voice calls
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411649
object-group DC-ALL object-group Stores-ALL
```

```
access-list CSM_FW_ACL_south extended deny ip any object-group Stores-ALL
access-list CSM_FW_ACL_south remark Allow outbound services for Internet
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309414071
object-group CSM_INLINE_src_rule_77309414071 any
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309414073
object-group ActiveDirectory.cisco-irn.com any
access-list CSM_FW_ACL_south extended permit udp object-group NTP-Servers any eq ntp
access-list CSM_FW_ACL_south remark Allow LDAP out LAB test
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309414077
object-group PAME-DC-1 any log
access-list CSM_FW_ACL_south remark Drop and Log all other traffic
access-list CSM_FW_ACL_south extended deny ip any any log
pager lines 24
logging host south 192.168.42.124
mtu north 1500
mtu south 1500
icmp unreachable rate-limit 1 burst-size 1
icmp permit any north
icmp permit any south
asdm history enable
arp timeout 14400
access-group CSM_FW_ACL_north in interface north
access-group CSM_FW_ACL_south in interface south
route north 0.0.0.0 0.0.0.0 192.168.162.1 1
route south 192.168.38.0 255.255.255.0 192.168.162.7 1
route south 192.168.39.0 255.255.255.0 192.168.162.7 1
route south 192.168.40.0 255.255.255.0 192.168.162.7 1
route south 192.168.41.0 255.255.255.0 192.168.162.7 1
route south 192.168.42.0 255.255.255.0 192.168.162.7 1
route south 192.168.43.0 255.255.255.0 192.168.162.7 1
route south 192.168.44.0 255.255.255.0 192.168.162.7 1
route south 192.168.45.0 255.255.255.0 192.168.162.7 1
route south 192.168.46.0 255.255.255.0 192.168.162.7 1
route south 192.168.52.0 255.255.255.0 192.168.162.7 1
timeout xlate 3:00:00
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect 0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
aaa-server RETAIL protocol tacacs+
aaa-server RETAIL (south) host 192.168.42.131
 key *****
aaa authentication ssh console RETAIL LOCAL
aaa authentication enable console RETAIL LOCAL
aaa authentication http console RETAIL LOCAL
aaa accounting ssh console RETAIL
aaa accounting enable console RETAIL
aaa accounting command privilege 15 RETAIL
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
aaa authorization exec authentication-server
http server enable
http server idle-timeout 15
http server session-timeout 60
http 10.19.151.99 255.255.255.255 north
http 192.168.41.101 255.255.255.255 south
http 192.168.41.102 255.255.255.255 south
http 192.168.42.122 255.255.255.255 south
http 192.168.42.124 255.255.255.255 south
http 192.168.42.133 255.255.255.255 south
http 192.168.42.138 255.255.255.255 south
no snmp-server location
no snmp-server contact
```

```
telnet timeout 5
ssh 10.19.151.99 255.255.255.255 north
ssh 192.168.41.101 255.255.255.255 south
ssh 192.168.41.102 255.255.255.255 south
ssh 192.168.42.122 255.255.255.255 south
ssh 192.168.42.124 255.255.255.255 south
ssh 192.168.42.133 255.255.255.255 south
ssh 192.168.42.138 255.255.255.255 south
ssh timeout 15
ssh version 2
no threat-detection statistics tcp-intercept
username csmadmin password  <removed> encrypted privilege 15
username retail password <removed> encrypted privilege 15
username bmcgloth password <removed> encrypted privilege 15
!
class-map inspection_default
 match default-inspection-traffic
!
!
policy-map type inspect dns preset_dns_map
 parameters
  message-length maximum client auto
  message-length maximum 512
policy-map global_policy
 class inspection_default
  inspect dns preset_dns_map
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect ip-options
  inspect netbios
  inspect rsh
  inspect rtsp
  inspect skinny
  inspect esmtp
  inspect sqlnet
  inspect sunrpc
  inspect tftp
  inspect sip
  inspect xdmcp
!
service-policy global_policy global
Cryptochecksum:70afa3a2a3007db41f3f336aca5cf51d
: end
asdm history enable
```

ASA-IE-1

```
: Saved
: Written by retail at 20:28:46.793 PDT Fri Apr 29 2011
!
ASA Version 8.4(1)
!
hostname ASA-IE-1
domain-name cisco-irn.com
enable password <removed> encrypted
passwd <removed> encrypted
names
dns-guard
!
```

```
interface GigabitEthernet0/0
 nameif outside
 security-level 0
 ip address 192.168.21.1 255.255.255.0 standby 192.168.21.2
!
interface GigabitEthernet0/1
 nameif inside
 security-level 100
 ip address 192.168.11.60 255.255.255.0 standby 192.168.11.62
!
interface GigabitEthernet0/2
 shutdown
 no nameif
 no security-level
 no ip address
!
interface GigabitEthernet0/3
 description LAN/STATE Failover Interface
!
interface Management0/0
 no nameif
 no security-level
 no ip address
 management-only
!
boot system disk0:/asa841-k8.bin
ftp mode passive
clock timezone PST -8
clock summer-time PDT recurring
dns domain-lookup outside
dns domain-lookup inside
dns server-group DefaultDNS
 name-server 192.168.42.130
 domain-name cisco-irn.com
same-security-traffic permit inter-interface
object network AdminStation
 host 192.168.41.101
object network AdminStation2
 host 192.168.41.102
object network EMC-NCM
 host 192.168.42.122
 description EMC Network Configuration Manager
object network CSManager
 host 192.168.42.133
 description Cisco Security Manager
object network RSA-enVision
 host 192.168.42.124
 description RSA EnVision Syslog collector and SIM
object network AdminStation3
 host 192.168.42.138
object network AdminStation4-bart
 host 10.19.151.99
object network DC-ALL
 subnet 192.168.0.0 255.255.0.0
 description All of the Data Center
object network Stores-ALL
 subnet 10.10.0.0 255.255.0.0
 description all store networks
object network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
object network PAME-DC-1
 host 192.168.44.111
object network TACACS
 host 192.168.42.131
```

```
 description Csico Secure ACS server for TACACS and Radius
object service TCP1080
 service tcp destination eq 1080
object service TCP8080
 service tcp destination eq 8080
object service RDP
 service tcp destination eq 3389
 description Windows Remote Desktop
object service LDAP-GC
 service tcp destination eq 3268
object service LDAP-GC-SSL
 service tcp destination eq 3269
object service LDAP-UDP
 service udp destination eq 389
object-group network CSM_INLINE_src_rule_77309412132
 description Generated by CS-Manager from src of FirewallRule# 3 (ASA-IE-1_v1/mandatory)
 network-object object EMC-NCM
 network-object object AdminStation
 network-object object CSManager
 network-object object AdminStation2
 network-object object RSA-enVision
 network-object object AdminStation3
 network-object object AdminStation4-bart
object-group network CSM_INLINE_src_rule_77309412156
 description Generated by CS-Manager from src of FirewallRule# 4 (ASA-IE-1_v1/mandatory)
 network-object object DC-ALL
 network-object object Stores-ALL
object-group network CSM_INLINE_src_rule_77309412168
 description Generated by CS-Manager from src of FirewallRule# 5 (ASA-IE-1_v1/mandatory)
 network-object object DC-ALL
 network-object object Stores-ALL
object-group network CSM_INLINE_src_rule_77309412178
 description Generated by CS-Manager from src of FirewallRule# 7 (ASA-IE-1_v1/mandatory)
 network-object object DC-ALL
 network-object object Stores-ALL
object-group network NTP-Servers
 description NTP Servers
 network-object 192.168.62.161 255.255.255.255
 network-object 162.168.62.162 255.255.255.255
object-group network CSM_INLINE_src_rule_77309412254
 description Generated by CS-Manager from src of FirewallRule# 15 (ASA-IE-1_v1/mandatory)
 network-object 192.168.22.11 255.255.255.255
 network-object 192.168.22.12 255.255.255.255
 network-object 192.168.21.0 255.255.255.0
object-group network CSM_INLINE_src_rule_77309412258
 description Generated by CS-Manager from src of FirewallRule# 16 (ASA-IE-1_v1/mandatory)
 network-object 192.168.22.11 255.255.255.255
 network-object 192.168.22.12 255.255.255.255
 network-object 192.168.21.0 255.255.255.0
object-group network CSM_INLINE_src_rule_77309412260
 description Generated by CS-Manager from src of FirewallRule# 17 (ASA-IE-1_v1/mandatory)
 network-object 192.168.22.11 255.255.255.255
 network-object 192.168.22.12 255.255.255.255
 network-object 192.168.21.0 255.255.255.0
object-group service CSM_INLINE_svc_rule_77309412132
 description Generated by CS-Manager from service of FirewallRule# 3
(ASA-IE-1_v1/mandatory)
 service-object tcp destination eq ssh
 service-object tcp destination eq https
object-group service CSM_INLINE_svc_rule_77309412156
 description Generated by CS-Manager from service of FirewallRule# 4
(ASA-IE-1_v1/mandatory)
 service-object tcp destination eq smtp
 service-object tcp destination eq https
```

```
 service-object tcp destination eq ssh
object-group service CSM_INLINE_svc_rule_77309412168
 description Generated by CS-Manager from service of FirewallRule# 5
(ASA-IE-1_v1/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq ssh
object-group service CSM_INLINE_svc_rule_77309412178
 description Generated by CS-Manager from service of FirewallRule# 7
(ASA-IE-1_v1/mandatory)
 service-object icmp echo
 service-object icmp echo-reply
 service-object icmp unreachable
 service-object tcp destination eq www
 service-object tcp destination eq https
 service-object tcp destination eq ftp
 service-object tcp destination eq ssh
 service-object object TCP1080
 service-object object TCP8080
 service-object object RDP
object-group service DNS-Resolving
 description Domain Name Server
 service-object tcp destination eq domain
 service-object udp destination eq domain
object-group service NTP
 description NTP Protocols
 service-object tcp destination eq 123
 service-object udp destination eq ntp
object-group service CSM_INLINE_svc_rule_77309412202
 description Generated by CS-Manager from service of FirewallRule# 8
(ASA-IE-1_v1/mandatory)
 group-object DNS-Resolving
 group-object NTP
object-group service CSM_INLINE_svc_rule_77309412216
 description Generated by CS-Manager from service of FirewallRule# 10
(ASA-IE-1_v1/mandatory)
 service-object tcp destination eq ldap
 service-object tcp destination eq ldaps
 service-object object LDAP-GC
 service-object object LDAP-GC-SSL
 service-object object LDAP-UDP
object-group service TFTP
 description Trivial File Transfer
 service-object tcp destination eq 69
 service-object udp destination eq tftp
object-group service HTTPS-8443
 service-object tcp destination eq 8443
object-group service vCenter-to-ESX4
 description Communication from vCetner to ESX hosts
 service-object tcp destination eq 5989
 service-object tcp destination eq 8000
 service-object tcp destination eq 902
 service-object tcp destination eq 903
object-group service CSM_INLINE_svc_rule_77309412222
 description Generated by CS-Manager from service of FirewallRule# 13
(ASA-IE-1_v1/mandatory)
 service-object icmp
 service-object tcp destination eq ssh
 service-object tcp destination eq telnet
 service-object tcp destination eq www
 service-object tcp destination eq https
 service-object tcp destination eq 8880
 service-object tcp destination eq 8444
 service-object tcp destination eq 5900
 service-object tcp destination eq 5800
```

```
 service-object object RDP
 service-object object TCP1080
 service-object object TCP8080
 group-object TFTP
 group-object HTTPS-8443
 group-object vCenter-to-ESX4
object-group service CSM_INLINE_svc_rule_77309412276
 description Generated by CS-Manager from service of FirewallRule# 19
(ASA-IE-1_v1/mandatory)
 service-object tcp destination eq smtp
 group-object DNS-Resolving
object-group service CSM_INLINE_svc_rule_77309412288
 description Generated by CS-Manager from service of FirewallRule# 22
(ASA-IE-1_v1/mandatory)
 service-object udp destination eq 1812
 service-object udp destination eq 1813
access-list all extended permit ip any any
access-list INSIDE extended permit ip object AdminStation any
access-list INSIDE extended permit ip object AdminStation2 any
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_77309412132
object-group CSM_INLINE_src_rule_77309412132 192.168.20.0 255.255.252.0
access-list INSIDE remark Allow services for Ironport apps
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_77309412156
object-group CSM_INLINE_src_rule_77309412156 192.168.23.64 255.255.255.224
access-list INSIDE remark Allow traffic to DMZ
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_77309412168
object-group CSM_INLINE_src_rule_77309412168 host 192.168.20.30
access-list INSIDE remark Drop unauthorized traffic to DMZ
access-list INSIDE extended deny ip any 192.168.20.0 255.255.255.0 log
access-list INSIDE remark Allow outbound services for Internet
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_77309412178
object-group CSM_INLINE_src_rule_77309412178 any
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_77309412202 object
ActiveDirectory.cisco-irn.com any
access-list INSIDE extended permit udp object-group NTP-Servers any eq ntp
access-list INSIDE remark Allow LDAP out LAB test
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_77309412216 object
PAME-DC-1 any log
access-list INSIDE remark Drop and Log all other traffic
access-list INSIDE extended deny ip any any log
access-list OUTSIDE remark Allow SSL VPN
access-list OUTSIDE extended permit tcp any host 192.168.21.1 eq https log
access-list OUTSIDE extended permit udp object-group CSM_INLINE_src_rule_77309412254
object-group NTP-Servers eq ntp
access-list OUTSIDE remark - RIE-2
access-list OUTSIDE extended permit udp object-group CSM_INLINE_src_rule_77309412258
object RSA-enVision eq syslog
access-list OUTSIDE extended permit tcp object-group CSM_INLINE_src_rule_77309412260
object TACACS eq tacacs
access-list OUTSIDE extended permit udp 192.168.21.0 255.255.255.0 object
ActiveDirectory.cisco-irn.com eq domain
access-list OUTSIDE remark Ironport traffic in from DNZ
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_77309412276 host
192.168.23.68 any
access-list OUTSIDE extended permit udp host 192.168.23.68 object RSA-enVision eq syslog
access-list OUTSIDE extended permit udp host 192.168.23.68 object-group NTP-Servers eq ntp

access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_77309412288 host
192.168.23.68 object TACACS
access-list OUTSIDE remark Drop all other traffic
access-list OUTSIDE extended deny ip any any log
access-list all-web webtype permit url any log default
pager lines 24
logging asdm informational
```

```
logging host inside 192.168.42.124
mtu outside 1500
mtu inside 1500
failover
failover lan unit primary
failover lan interface folink GigabitEthernet0/3
failover link folink GigabitEthernet0/3
failover interface ip folink 192.168.12.31 255.255.255.0 standby 192.168.12.32
icmp unreachable rate-limit 1 burst-size 1
icmp permit any outside
icmp permit any inside
asdm image disk0:/asdm-641.bin
asdm history enable
arp timeout 14400
access-group OUTSIDE in interface outside
access-group INSIDE in interface inside
route outside 0.0.0.0 0.0.0.0 192.168.21.10 1
route inside 10.10.0.0 255.255.0.0 192.168.11.1 1
route outside 10.10.0.0 255.255.255.0 192.168.21.10 1
route inside 192.168.0.0 255.255.0.0 192.168.11.10 1
route outside 192.168.20.0 255.255.255.0 192.168.21.10 1
route outside 192.168.22.0 255.255.255.0 192.168.21.10 1
route outside 192.168.23.0 255.255.255.0 192.168.21.10 1
timeout xlate 3:00:00
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect 0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
dynamic-access-policy-record DfltAccessPolicy
 network-acl all
 webvpn
  appl-acl all-web
  url-list value page1
  file-browsing enable
  file-entry enable
  http-proxy enable
  url-entry enable
  svc ask enable default webvpn
aaa-server partnerauth protocol radius
aaa-server partnerauth (inside) host 192.168.42.137
 timeout 5
 key *****
 radius-common-pw *****
aaa-server RETAIL protocol tacacs+
aaa-server RETAIL (inside) host 192.168.42.131
 key *****
aaa authentication ssh console RETAIL LOCAL
aaa authentication enable console RETAIL LOCAL
aaa authentication http console RETAIL LOCAL
aaa accounting ssh console RETAIL
aaa accounting enable console RETAIL
aaa accounting command privilege 15 RETAIL
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
aaa authorization exec authentication-server
http server enable
http server idle-timeout 15
http server session-timeout 60
http 10.19.151.99 255.255.255.255 inside
http 192.168.41.101 255.255.255.255 inside
http 192.168.41.102 255.255.255.255 inside
http 192.168.42.122 255.255.255.255 inside
http 192.168.42.124 255.255.255.255 inside
```

```
http 192.168.42.133 255.255.255.255 inside
http 192.168.42.138 255.255.255.255 inside
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
no snmp-server enable
telnet timeout 5
ssh 10.19.151.99 255.255.255.255 inside
ssh 192.168.41.101 255.255.255.255 inside
ssh 192.168.41.102 255.255.255.255 inside
ssh 192.168.42.122 255.255.255.255 inside
ssh 192.168.42.124 255.255.255.255 inside
ssh 192.168.42.133 255.255.255.255 inside
ssh 192.168.42.138 255.255.255.255 inside
ssh timeout 15
ssh version 2
console timeout 15
threat-detection basic-threat
threat-detection statistics access-list
no threat-detection statistics tcp-intercept
ntp server 192.168.62.162 source inside
ntp server 192.168.62.161 source inside prefer
webvpn
 enable outside
 internal-password enable
 smart-tunnel list AllExternalApplications All-Applications * platform windows
group-policy DfltGrpPolicy attributes
 webvpn
  url-list value page1
  smart-tunnel enable AllExternalApplications
group-policy Retail-PCI internal
group-policy Retail-PCI attributes
 vpn-tunnel-protocol ssl-clientless
username csmadmin password  <removed> encrypted privilege 15
username retail password <removed> encrypted privilege 15
username bmcgloth password <removed> encrypted privilege 15
tunnel-group DefaultRAGroup general-attributes
 authentication-server-group partnerauth
tunnel-group DefaultWEBVPNGroup general-attributes
 authentication-server-group partnerauth
tunnel-group Retail-Lab type remote-access
tunnel-group Retail-Lab general-attributes
 authentication-server-group partnerauth LOCAL
 default-group-policy Retail-PCI
!
class-map inspection_default
 match default-inspection-traffic
!
!
policy-map type inspect dns migrated_dns_map_1
 parameters
  message-length maximum client auto
  message-length maximum 512
policy-map global_policy
 class inspection_default
  inspect dns migrated_dns_map_1
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect netbios
  inspect rsh
  inspect rtsp
  inspect skinny
  inspect esmtp
```

```
  inspect sqlnet
  inspect sunrpc
  inspect tftp
  inspect sip
  inspect xdmcp
  inspect ip-options
!
service-policy global_policy global
prompt hostname context
call-home
 profile CiscoTAC-1
  no active
  destination address http https://tools.cisco.com/its/service/oddce/services/DDCEService
  destination address email callhome@cisco.com
  destination transport-method http
  subscribe-to-alert-group diagnostic
  subscribe-to-alert-group environment
  subscribe-to-alert-group inventory periodic monthly
  subscribe-to-alert-group configuration periodic monthly
  subscribe-to-alert-group telemetry periodic daily
password encryption aes
Cryptochecksum:7523e3d4b6eac19b34c670de405c3e45
: end
```

ASA-WAN-1

```
: Saved
: Written by retail at 18:21:22.920 PDT Fri Apr 29 2011
!
ASA Version 8.4(1)
!
firewall transparent
hostname ASA-WAN-1
domain-name cisco-irn.com
enable password <removed> encrypted
passwd <removed> encrypted
names
!
interface GigabitEthernet0/0
 nameif outside
 bridge-group 1
 security-level 0
!
interface GigabitEthernet0/1
 nameif inside
 bridge-group 1
 security-level 100
!
interface GigabitEthernet0/2
 shutdown
 no nameif
 no security-level
!
interface GigabitEthernet0/3
 description LAN/STATE Failover Interface
!
interface Management0/0
 shutdown
 no nameif
 no security-level
```

```
 management-only
!
interface BVI1
 ip address 192.168.11.20 255.255.255.0 standby 192.168.11.21
!
ftp mode passive
clock timezone PST -8
clock summer-time PDT recurring
dns server-group DefaultDNS
 domain-name cisco-irn.com
object network AdminStation
 host 192.168.41.101
object network AdminStation2
 host 192.168.41.102
object network AdminStation4-bart
 host 10.19.151.99
object network EMC-NCM
 host 192.168.42.122
 description EMC Network Configuration Manager
object network CSManager
 host 192.168.42.133
 description Cisco Security Manager
object network AdminStation3
 host 192.168.42.138
object network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
object network Stores-ALL
 subnet 10.10.0.0 255.255.0.0
 description all store networks
object network vSphere-1
 host 192.168.41.102
 description vSphere server for Lab
object network WCSManager
 host 192.168.43.135
 description Wireless Manager
object network PAME-DC-1
 host 192.168.44.111
object network MSP-DC-1
 host 192.168.44.121
 description Data Center VSOM
object network DC-ALL
 subnet 192.168.0.0 255.255.0.0
 description All of the Data Center
object network RSA-enVision
 host 192.168.42.124
 description RSA EnVision Syslog collector and SIM
object network TACACS
 host 192.168.42.131
 description Csico Secure ACS server for TACACS and Radius
object network RSA-AM
 host 192.168.42.137
 description RSA Authentication Manager for SecureID
object network NAC-2
 host 192.168.42.112
object network NAC-1
 host 192.168.42.111
 description ISE server for NAC
object network MS-Update
 host 192.168.42.150
 description Windows Update Server
object network MSExchange
 host 192.168.42.140
 description Mail Server
object network DC-POS
```

```
 subnet 192.168.52.0 255.255.255.0
 description POS in the Data Center
object service RPC
 service tcp destination eq 135
object service LDAP-GC
 service tcp destination eq 3268
object service LDAP-GC-SSL
 service tcp destination eq 3269
object service Kerberos-TCP
 service tcp destination eq 88
object service Microsoft-DS-SMB
 service tcp destination eq 445
 description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
object service LDAP-UDP
 service udp destination eq 389
object service RPC-HighPorts
 service tcp destination range 1024 65535
object service IP-Protocol-97
 service 97
 description IP protocol 97
object service TCP1080
 service tcp destination eq 1080
object service TCP8080
 service tcp destination eq 8080
object service RDP
 service tcp destination eq 3389
 description Windows Remote Desktop
object-group network CSM_INLINE_src_rule_73014456577
 description Generated by CS-Manager from src of FirewallRule# 1 (ASA-WAN_1/mandatory)
 network-object object AdminStation
 network-object object AdminStation2
 network-object object AdminStation4-bart
object-group network STORE-POS
 network-object 10.10.0.0 255.255.0.0
object-group network Admin-Systems
 network-object object EMC-NCM
 network-object object AdminStation
 network-object object AdminStation2
 network-object object CSManager
 network-object object AdminStation3
 network-object object AdminStation4-bart
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for stores
 network-object 192.168.43.21 255.255.255.255
 network-object 192.168.43.22 255.255.255.255
object-group network DC-Wifi-MSE
 description Mobility Service Engines
 network-object 192.168.43.31 255.255.255.255
 network-object 192.168.43.32 255.255.255.255
object-group network CSM_INLINE_src_rule_73014456585
 description Generated by CS-Manager from src of FirewallRule# 5 (ASA-WAN_1/mandatory)
 network-object object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
object-group network CSM_INLINE_src_rule_73014456587
 description Generated by CS-Manager from src of FirewallRule# 6 (ASA-WAN_1/mandatory)
 network-object object PAME-DC-1
 network-object object MSP-DC-1
object-group network DC-WAAS
 description WAE Appliances in Data Center
 network-object 192.168.48.10 255.255.255.255
 network-object 192.168.49.10 255.255.255.255
 network-object 192.168.47.11 255.255.255.255
 network-object 192.168.47.12 255.255.255.255
```

```
object-group network NTP-Servers
 description NTP Servers
 network-object 192.168.62.161 255.255.255.255
 network-object 162.168.62.162 255.255.255.255
object-group network CSM_INLINE_dst_rule_73014456607
 description Generated by CS-Manager from dst of FirewallRule# 16 (ASA-WAN_1/mandatory)
 network-object object TACACS
 network-object object RSA-AM
 network-object object NAC-2
 network-object object NAC-1
object-group network CSM_INLINE_dst_rule_73014456609
 description Generated by CS-Manager from dst of FirewallRule# 17 (ASA-WAN_1/mandatory)
 network-object object NAC-2
 network-object object NAC-1
object-group network CSM_INLINE_dst_rule_73014456613
 description Generated by CS-Manager from dst of FirewallRule# 19 (ASA-WAN_1/mandatory)
 network-object object PAME-DC-1
 network-object object MSP-DC-1
object-group network CSM_INLINE_dst_rule_73014456615
 description Generated by CS-Manager from dst of FirewallRule# 20 (ASA-WAN_1/mandatory)
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
object-group network DC-POS-Tomax
 description Tomax POS Communication from Store to Data Center
 network-object 192.168.52.96 255.255.255.224
object-group network DC-POS-SAP
 description SAP POS Communication from Store to Data Center
 network-object 192.168.52.144 255.255.255.240
object-group network DC-POS-Oracle
 description Oracle POS Communication from Store to Data Center
 network-object 192.168.52.128 255.255.255.240
object-group network CSM_INLINE_dst_rule_73014456627
 description Generated by CS-Manager from dst of FirewallRule# 26 (ASA-WAN_1/mandatory)
 group-object DC-POS-Tomax
 network-object object DC-POS
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
object-group service HTTPS-8443
 service-object tcp destination eq 8443
object-group service CSM_INLINE_svc_rule_73014456579
 description Generated by CS-Manager from service of FirewallRule# 2 (ASA-WAN_1/mandatory)
 service-object tcp destination eq ssh
 service-object tcp destination eq https
 group-object HTTPS-8443
object-group service DNS-Resolving
 description Domain Name Server
 service-object tcp destination eq domain
 service-object udp destination eq domain
object-group service CSM_INLINE_svc_rule_73014456581
 description Generated by CS-Manager from service of FirewallRule# 3 (ASA-WAN_1/mandatory)
 service-object tcp destination eq ldap
 service-object tcp destination eq ldaps
 service-object udp destination eq 88
 service-object udp destination eq ntp
 service-object udp destination eq netbios-dgm
 service-object object RPC
 service-object object LDAP-GC
 service-object object LDAP-GC-SSL
 service-object object Kerberos-TCP
 service-object object Microsoft-DS-SMB
 service-object object LDAP-UDP
 service-object object RPC-HighPorts
 group-object DNS-Resolving
object-group service vCenter-to-ESX4
```

```
 description Communication from vCetner to ESX hosts
 service-object tcp destination eq 5989
 service-object tcp destination eq 8000
 service-object tcp destination eq 902
 service-object tcp destination eq 903
object-group service CSM_INLINE_svc_rule_73014456583
 description Generated by CS-Manager from service of FirewallRule# 4 (ASA-WAN_1/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq ssh
 group-object vCenter-to-ESX4
object-group service TFTP
 description Trivial File Transfer
 service-object tcp destination eq 69
 service-object udp destination eq tftp
object-group service LWAPP
 description LWAPP UDP ports 12222 and 12223
 service-object udp destination eq 12222
 service-object udp destination eq 12223
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 service-object udp destination eq 5246
 service-object udp destination eq 5247
object-group service CSM_INLINE_svc_rule_73014456585
 description Generated by CS-Manager from service of FirewallRule# 5 (ASA-WAN_1/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq www
 service-object udp destination eq isakmp
 service-object tcp destination eq telnet
 service-object tcp destination eq ssh
 service-object object IP-Protocol-97
 group-object TFTP
 group-object LWAPP
 group-object CAPWAP
object-group service CSM_INLINE_svc_rule_73014456589
 description Generated by CS-Manager from service of FirewallRule# 7 (ASA-WAN_1/mandatory)
 service-object icmp echo
 service-object icmp echo-reply
 service-object tcp destination eq www
 service-object tcp destination eq https
 service-object tcp destination eq ssh
 service-object tcp destination eq ftp
 service-object object TCP1080
 service-object object TCP8080
 service-object object RDP
 group-object HTTPS-8443
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 service-object tcp destination eq 4050
object-group service Netbios
 description Netbios Servers
 service-object udp destination eq netbios-dgm
 service-object udp destination eq netbios-ns
 service-object tcp destination eq netbios-ssn
object-group service CSM_INLINE_svc_rule_73014456591
 description Generated by CS-Manager from service of FirewallRule# 8 (ASA-WAN_1/mandatory)
 service-object object Microsoft-DS-SMB
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Netbios
object-group service CSM_INLINE_svc_rule_73014456593
 description Generated by CS-Manager from service of FirewallRule# 9 (ASA-WAN_1/mandatory)
 service-object tcp-udp destination eq sip
 service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_73014456599
```

```
 description Generated by CS-Manager from service of FirewallRule# 12
(ASA-WAN_1/mandatory)
 service-object udp destination eq snmptrap
 service-object udp destination eq snmp
 service-object udp destination eq syslog
object-group service CSM_INLINE_svc_rule_73014456601
 description Generated by CS-Manager from service of FirewallRule# 13
(ASA-WAN_1/mandatory)
 service-object udp destination eq domain
 service-object tcp destination eq ldap
 service-object tcp destination eq ldaps
object-group service CSM_INLINE_svc_rule_73014456607
 description Generated by CS-Manager from service of FirewallRule# 16
(ASA-WAN_1/mandatory)
 service-object udp destination eq 1812
 service-object udp destination eq 1813
object-group service CSM_INLINE_svc_rule_73014456609
 description Generated by CS-Manager from service of FirewallRule# 17
(ASA-WAN_1/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq www
 group-object HTTPS-8443
object-group service ESX-SLP
 description CIM Service Location Protocol (SLP) for VMware systems
 service-object udp destination eq 427
 service-object tcp destination eq 427
object-group service CSM_INLINE_svc_rule_73014456611
 description Generated by CS-Manager from service of FirewallRule# 18
(ASA-WAN_1/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq www
 service-object tcp destination eq ssh
 group-object vCenter-to-ESX4
 group-object ESX-SLP
object-group service Cisco-Mobility
 description Mobility ports for Wireless
 service-object udp destination eq 16666
 service-object udp destination eq 16667
object-group service CSM_INLINE_svc_rule_73014456615
 description Generated by CS-Manager from service of FirewallRule# 20
(ASA-WAN_1/mandatory)
 service-object tcp destination eq https
 service-object udp destination eq isakmp
 service-object object IP-Protocol-97
 group-object Cisco-Mobility
 group-object LWAPP
 group-object CAPWAP
object-group service CSM_INLINE_svc_rule_73014456617
 description Generated by CS-Manager from service of FirewallRule# 21
(ASA-WAN_1/mandatory)
 service-object tcp-udp destination eq sip
 service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_73014456619
 description Generated by CS-Manager from service of FirewallRule# 22
(ASA-WAN_1/mandatory)
 service-object object Microsoft-DS-SMB
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Netbios
object-group service CSM_INLINE_svc_rule_73014456621
 description Generated by CS-Manager from service of FirewallRule# 23
(ASA-WAN_1/mandatory)
 service-object tcp destination eq ldap
 service-object tcp destination eq ldaps
```

```
 service-object udp destination eq 88
 service-object udp destination eq ntp
 service-object udp destination eq netbios-dgm
 service-object object RPC
 service-object object LDAP-GC
 service-object object LDAP-GC-SSL
 service-object object Kerberos-TCP
 service-object object Microsoft-DS-SMB
 service-object object LDAP-UDP
 service-object object RPC-HighPorts
 group-object DNS-Resolving
object-group service CSM_INLINE_svc_rule_73014456623
 description Generated by CS-Manager from service of FirewallRule# 24
(ASA-WAN_1/mandatory)
 service-object tcp destination eq www
 service-object tcp destination eq https
object-group service CSM_INLINE_svc_rule_73014456625
 description Generated by CS-Manager from service of FirewallRule# 25
(ASA-WAN_1/mandatory)
 service-object tcp destination eq www
 service-object tcp destination eq https
 service-object tcp destination eq smtp
 service-object tcp destination eq pop3
 service-object tcp destination eq imap4
object-group network DM_INLINE_NETWORK_1
 network-object 10.10.0.0 255.255.0.0
 network-object object Stores-ALL
object-group service DM_INLINE_SERVICE_1
 service-object tcp destination eq ftp
 service-object tcp destination eq ssh
 service-object udp destination eq tftp
access-list INSIDE extended permit ip object-group CSM_INLINE_src_rule_73014456577
object-group STORE-POS
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_73014456579
object-group Admin-Systems object-group STORE-POS
access-list INSIDE remark Allow Active Directory Domain
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_73014456581 object
ActiveDirectory.cisco-irn.com object Stores-ALL
access-list INSIDE remark VMWare - ESX systems
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_73014456583 object
vSphere-1 object Stores-ALL
access-list INSIDE remark Wireless Management to Stores
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_73014456585
object-group CSM_INLINE_src_rule_73014456585 object Stores-ALL
access-list INSIDE remark Physical security systems
access-list INSIDE extended permit tcp object-group CSM_INLINE_src_rule_73014456587 object
Stores-ALL eq https
access-list INSIDE remark Allow Management of store systems
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_73014456589 object
DC-ALL object Stores-ALL
access-list INSIDE remark WAAS systems
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_73014456591
object-group DC-WAAS object Stores-ALL
access-list INSIDE remark Voice calls
access-list INSIDE extended permit object-group CSM_INLINE_svc_rule_73014456593 object
DC-ALL object Stores-ALL
access-list INSIDE remark Drop and Log all other traffic
access-list INSIDE extended deny ip any any log
access-list OUTSIDE extended permit tcp object Stores-ALL object EMC-NCM eq ssh
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456599 object
Stores-ALL object RSA-enVision
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456601 object
Stores-ALL object ActiveDirectory.cisco-irn.com
access-list OUTSIDE extended permit tcp object Stores-ALL object TACACS eq tacacs
```

```
access-list OUTSIDE extended permit udp object Stores-ALL object-group NTP-Servers eq ntp
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456607 object
Stores-ALL object-group CSM_INLINE_dst_rule_73014456607
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456609 object
Stores-ALL object-group CSM_INLINE_dst_rule_73014456609
access-list OUTSIDE remark VMWare ESX to Data Center
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456611 object
Stores-ALL object vSphere-1
access-list OUTSIDE remark Physical security systems
access-list OUTSIDE extended permit tcp object Stores-ALL object-group
CSM_INLINE_dst_rule_73014456613 eq https
access-list OUTSIDE remark Wireless control systems
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456615 object
Stores-ALL object-group CSM_INLINE_dst_rule_73014456615
access-list OUTSIDE remark Voice calls
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456617 object
Stores-ALL object DC-ALL
access-list OUTSIDE remark WAAS systems
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456619 object
Stores-ALL object-group DC-WAAS
access-list OUTSIDE remark Allow Active Directory Domain
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456621 object
Stores-ALL object ActiveDirectory.cisco-irn.com
access-list OUTSIDE remark Allow Windows Updates
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456623 object
Stores-ALL object MS-Update
access-list OUTSIDE remark Allow Mail
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014456625 object
Stores-ALL object MSExchange
access-list OUTSIDE remark Allow Applications
access-list OUTSIDE extended permit tcp object Stores-ALL object-group
CSM_INLINE_dst_rule_73014456627 eq https
access-list OUTSIDE extended permit object-group DM_INLINE_SERVICE_1 object-group
DM_INLINE_NETWORK_1 object AdminStation2 log disable
access-list OUTSIDE remark Drop all other traffic
access-list OUTSIDE extended deny ip any any log
pager lines 24
logging host inside 192.168.42.124
mtu outside 1500
mtu inside 1500
failover
failover lan unit primary
failover lan interface folink GigabitEthernet0/3
failover link folink GigabitEthernet0/3
failover interface ip folink 192.168.12.20 255.255.255.0 standby 192.168.12.21
icmp unreachable rate-limit 1 burst-size 1
icmp permit any outside
icmp permit any inside
asdm image disk0:/asdm-641.bin
asdm history enable
arp timeout 14400
access-group OUTSIDE in interface outside
access-group INSIDE in interface inside
route inside 0.0.0.0 0.0.0.0 192.168.11.60 1
route outside 10.10.0.0 255.255.0.0 192.168.11.1 1
route inside 10.10.0.0 255.255.255.0 192.168.11.60 1
route outside 10.10.1.0 255.255.255.0 192.168.11.2 1
route outside 10.10.2.0 255.255.255.0 192.168.11.3 1
route inside 10.10.3.0 255.255.255.0 192.168.11.60 1
route inside 10.10.4.0 255.255.255.0 192.168.11.60 1
route outside 10.10.254.0 255.255.255.0 192.168.11.3 1
route outside 10.10.255.0 255.255.255.0 192.168.11.2 1
route inside 192.168.0.0 255.255.0.0 192.168.11.10 1
route outside 192.168.1.111 255.255.255.255 192.168.11.2 1
```

```
route outside 192.168.1.112 255.255.255.255 192.168.11.3 1
route inside 192.168.20.0 255.255.252.0 192.168.11.60 1
route inside 192.168.24.0 255.255.255.0 192.168.11.60 1
timeout xlate 3:00:00
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect 0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
dynamic-access-policy-record DfltAccessPolicy
aaa-server RETAIL protocol tacacs+
aaa-server RETAIL (inside) host 192.168.42.131
 key *****
aaa authentication ssh console RETAIL LOCAL
aaa authentication enable console RETAIL LOCAL
aaa authentication http console RETAIL LOCAL
aaa accounting ssh console RETAIL
aaa accounting enable console RETAIL
aaa accounting command privilege 15 RETAIL
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
aaa authorization exec authentication-server
http server enable
http server idle-timeout 15
http server session-timeout 60
http 192.168.41.102 255.255.255.255 inside
http 10.19.151.99 255.255.255.255 inside
http 192.168.41.101 255.255.255.255 inside
http 192.168.42.122 255.255.255.255 inside
http 192.168.42.124 255.255.255.255 inside
http 192.168.42.133 255.255.255.255 inside
http 192.168.42.138 255.255.255.255 inside
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
no snmp-server enable
telnet timeout 1
ssh scopy enable
ssh 10.19.151.99 255.255.255.255 inside
ssh 192.168.41.101 255.255.255.255 inside
ssh 192.168.41.102 255.255.255.255 inside
ssh 192.168.42.122 255.255.255.255 inside
ssh 192.168.42.124 255.255.255.255 inside
ssh 192.168.42.133 255.255.255.255 inside
ssh 192.168.42.138 255.255.255.255 inside
ssh timeout 15
ssh version 2
console timeout 15
threat-detection basic-threat
threat-detection statistics access-list
no threat-detection statistics tcp-intercept
ntp server 192.168.62.162 source inside
ntp server 192.168.62.161 source inside prefer
username csmadmin password <removed> encrypted privilege 15
username retail password <removed>  encrypted privilege 15
username bmcgloth password <removed>  encrypted privilege 15
!
class-map inspection_default
 match default-inspection-traffic
class-map global-class-PCI
 match any
!
!
policy-map type inspect dns preset_dns_map
```

```
 parameters
  message-length maximum client auto
  message-length maximum 512
policy-map global_policy
 description IPS inspection policy for Cisco PCI LAB
 class inspection_default
  inspect dns preset_dns_map
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect rsh
  inspect rtsp
  inspect esmtp
  inspect sqlnet
  inspect skinny
  inspect sunrpc
  inspect xdmcp
  inspect sip
  inspect netbios
  inspect tftp
  inspect ip-options
 class global-class-PCI
  ips promiscuous fail-open
!
service-policy global_policy global
prompt hostname context
call-home
 profile CiscoTAC-1
  no active
  destination address http https://tools.cisco.com/its/service/oddce/services/DDCEService
  destination address email callhome@cisco.com
  destination transport-method http
  subscribe-to-alert-group diagnostic
  subscribe-to-alert-group environment
  subscribe-to-alert-group inventory periodic monthly
  subscribe-to-alert-group configuration periodic monthly
  subscribe-to-alert-group telemetry periodic daily
password encryption aes
Cryptochecksum:6711019c0f0a6b2f849474306a18ba82
: end
```

ASA-WAN-1_IDS

```
! ------------------------------
! Current configuration last modified Thu Apr 28 23:24:09 2011
! ------------------------------
! Version 7.0(4)
! Host:
!     Realm Keys          key1.0
! Signature Definition:
!     Signature Update    S500.0   2010-07-09
! ------------------------------
service interface
exit
! ------------------------------
service authentication
attemptLimit 6
password-strength
size 7-64
digits-min 1
```

```
lowercase-min 1
other-min 1
number-old-passwords 4
exit
exit
! ------------------------------
service event-action-rules rules0
exit
! ------------------------------
service host
network-settings
host-ip 192.168.11.23/24,192.168.11.10
host-name ASA-WAN-1_IPS
telnet-option disabled
access-list 10.19.151.99/32
access-list 192.168.41.101/32
access-list 192.168.41.102/32
access-list 192.168.42.122/32
access-list 192.168.42.124/32
access-list 192.168.42.133/32
access-list 192.168.42.138/32
dns-primary-server enabled
address 192.168.42.130
exit
dns-secondary-server disabled
dns-tertiary-server disabled
http-proxy proxy-server
address 128.107.241.169
port 80
exit
exit
time-zone-settings
offset -8
standard-time-zone-name PST
exit
ntp-option enabled-ntp-unauthenticated
ntp-server 192.168.62.161
exit
summertime-option recurring
summertime-zone-name PDT
exit
exit
! ------------------------------
service logger
exit
! ------------------------------
service network-access
exit
! ------------------------------
service notification
trap-destinations 192.168.42.124
trap-community-name <removed>
exit
enable-notifications true
trap-community-name <removed>
exit
! ------------------------------
service signature-definition sig0
exit
! ------------------------------
service ssh-known-hosts
exit
! ------------------------------
service trusted-certificates
```

```
exit
! ------------------------------
service web-server
exit
! ------------------------------
service anomaly-detection ad0
exit
! ------------------------------
service external-product-interface
exit
! ------------------------------
service health-monitor
exit
! ------------------------------
service global-correlation
exit
! ------------------------------
service aaa
aaa radius
primary-server
server-address 192.168.42.131
shared-secret <removed>
exit
nas-id DMZ-IDS1
local-fallback enabled
console-authentication radius-and-local
default-user-role administrator
exit
exit
! ------------------------------
service analysis-engine
exit
```

ASA-WAN-2_IDS

```
! ------------------------------
! Current configuration last modified Thu Apr 28 23:26:43 2011
! ------------------------------
! Version 7.0(4)
! Host:
!     Realm Keys          key1.0
! Signature Definition:
!     Signature Update    S500.0   2010-07-09
! ------------------------------
service interface
exit
! ------------------------------
service authentication
attemptLimit 6
password-strength
size 7-64
digits-min 1
lowercase-min 1
other-min 1
number-old-passwords 4
exit
exit
! ------------------------------
service event-action-rules rules0
exit
```

```
! ------------------------------
service host
network-settings
host-ip 192.168.11.24/24,192.168.11.10
host-name ASA-WAN-2_IPS
telnet-option disabled
access-list 10.19.151.99/32
access-list 192.168.41.101/32
access-list 192.168.41.102/32
access-list 192.168.42.122/32
access-list 192.168.42.124/32
access-list 192.168.42.133/32
access-list 192.168.42.138/32
dns-primary-server enabled
address 192.168.42.130
exit
dns-secondary-server disabled
dns-tertiary-server disabled
http-proxy proxy-server
address 128.107.241.169
port 80
exit
exit
time-zone-settings
offset -8
standard-time-zone-name PST
exit
ntp-option enabled-ntp-unauthenticated
ntp-server 192.168.62.161
exit
summertime-option recurring
summertime-zone-name PDT
exit
exit
! ------------------------------
service logger
exit
! ------------------------------
service network-access
exit
! ------------------------------
service notification
trap-destinations 192.168.42.124
trap-community-name <removed>
exit
enable-notifications true
trap-community-name <removed>
exit
! ------------------------------
service signature-definition sig0
exit
! ------------------------------
service ssh-known-hosts
exit
! ------------------------------
service trusted-certificates
exit
! ------------------------------
service web-server
exit
! ------------------------------
service anomaly-detection ad0
exit
! ------------------------------
```

```
service external-product-interface
exit
! ------------------------------
service health-monitor
exit
! ------------------------------
service global-correlation
exit
! ------------------------------
service aaa
aaa radius
primary-server
server-address 192.168.42.131
shared-secret <removed>
exit
nas-id DMZ-IDS1
local-fallback enabled
console-authentication radius-and-local
default-user-role administrator
exit
exit
! ------------------------------
service analysis-engine
exit
```

DMZ-ACE-1

```
logging enable
logging timestamp
logging trap 6
logging buffered 6
logging device-id context-name
logging host 192.168.42.124 udp/514
logging rate-limit 1 120 message 302027


login timeout 15
hostname ACE1
boot system image:c6ace-t1k9-mz.3.0.0_A1_4a.bin

resource-class Gold
  limit-resource all minimum 0.00 maximum unlimited
  limit-resource conc-connections minimum 10.00 maximum unlimited
  limit-resource sticky minimum 10.00 maximum unlimited

tacacs-server host 192.168.42.131 key 7 "<removed>"
aaa group server tacacs+ RETAIL
  server 192.168.42.131


clock timezone standard PST
clock summer-time standard PDT
aaa authentication login default group RETAIL local
aaa authentication login console group RETAIL local
aaa accounting default group RETAIL local



class-map type management match-any remote-mgmt
```

```
  9 match protocol ssh source-address 192.168.41.102 255.255.255.255
  10 match protocol ssh source-address 192.168.42.131 255.255.255.255
  30 match protocol icmp any
  31 match protocol ssh source-address 10.19.151.99 255.255.255.255
  32 match protocol ssh source-address 192.168.41.101 255.255.255.255
  33 match protocol ssh source-address 192.168.42.111 255.255.255.255
  34 match protocol ssh source-address 192.168.42.122 255.255.255.255
  35 match protocol ssh source-address 192.168.42.124 255.255.255.255
  36 match protocol ssh source-address 192.168.42.133 255.255.255.255
  37 match protocol ssh source-address 192.168.42.138 255.255.255.255

policy-map type management first-match remote-access
  class remote-mgmt
    permit

interface vlan 21
  ip address 192.168.21.95 255.255.255.0
  service-policy input remote-access
  no shutdown

ft interface vlan 85
  ip address 192.168.20.9 255.255.255.252
  peer ip address 192.168.20.10 255.255.255.252
  no shutdown

ft peer 1
  heartbeat interval 300
  heartbeat count 10
  ft-interface vlan 85
ft group 11
  peer 1
  priority 110
  peer priority 105
  associate-context Admin
  inservice

domain cisco-irn.com

ip route 0.0.0.0 0.0.0.0 192.168.21.1

context PCI
  allocate-interface vlan 82-83
  allocate-interface vlan 95



ft group 10
  peer 1
  priority 110
  peer priority 105
  associate-context PCI
  inservice
username admin password 5 <removed>   role Admin domain default-domain
username www password 5 <removed>   role Admin domain default-domain
username retail password 5 <removed>   role Admin domain default-domain
username csmadmin password 5 <removed>   role Admin domain default-domain
ssh key rsa 1024 force
```

DMZ-ACE-1_PCI

```
ACE1/PCI# sh run
Generating configuration....

logging enable
logging timestamp
logging buffered 7
logging monitor 7
logging device-id context-name
logging host 192.168.42.124 udp/514
logging rate-limit 1 120 message 302027


login timeout 15

tacacs-server host 192.168.42.131 key 7 "<removed>"
aaa group server tacacs+ RETAIL
  server 192.168.42.131
aaa authentication login default group RETAIL local
aaa authentication login console group RETAIL local
aaa accounting default group RETAIL local

access-list allow2server line 20 extended permit ip any host 192.168.20.3
access-list allow2server line 21 extended permit tcp host 192.168.20.44 host 192
.168.42.130 eq ldap
access-list allow2server line 22 extended deny ip any any
access-list in2out line 10 extended permit ip host 192.168.20.3 any
access-list in2out line 15 extended deny ip any any
access-list out2in line 10 extended permit tcp any host 192.168.20.1 eq www
access-list out2in line 15 extended deny ip any any


probe icmp ICMP
  interval 2
  faildetect 2
  passdetect interval 60
  passdetect count 2

rserver host ECOM
  ip address 192.168.20.44
  inservice

serverfarm host PCI-ECOM
  predictor leastconns
  probe ICMP
  rserver ECOM
    inservice

class-map match-any ECOMVIP
  11 match virtual-address 192.168.20.1 any
class-map type management match-any remote-mgmt
  30 match protocol icmp any
  31 match protocol ssh source-address 10.19.151.99 255.255.255.255
  32 match protocol ssh source-address 192.168.41.101 255.255.255.255
  33 match protocol ssh source-address 192.168.41.102 255.255.255.255
  34 match protocol ssh source-address 192.168.42.111 255.255.255.255
  35 match protocol ssh source-address 192.168.42.122 255.255.255.255
  36 match protocol ssh source-address 192.168.42.124 255.255.255.255
  37 match protocol ssh source-address 192.168.42.131 255.255.255.255
  38 match protocol ssh source-address 192.168.42.133 255.255.255.255
  39 match protocol ssh source-address 192.168.42.138 255.255.255.255
```

```
policy-map type management first-match remote-access
  class remote-mgmt
    permit
policy-map type loadbalance first-match ECOMPOLICY
  class class-default
    serverfarm PCI-ECOM
policy-map multi-match ECOM_MATCH
  class ECOMVIP
    loadbalance vip inservice
    loadbalance policy ECOMPOLICY

service-policy input remote-access

interface vlan 82
  description ACE_outside
  ip address 192.168.20.28 255.255.255.248
  ip verify reverse-path
  alias 192.168.20.30 255.255.255.248
  peer ip address 192.168.20.29 255.255.255.248
  access-group input out2in
  service-policy input ECOM_MATCH
  no shutdown
interface vlan 83
  description ACE_inside
  ip address 192.168.20.4 255.255.255.248
  ip verify reverse-path
  alias 192.168.20.6 255.255.255.248
  peer ip address 192.168.20.5 255.255.255.248
  access-group input in2out
  no shutdown

domain cisco-irn.com

ip route 0.0.0.0 0.0.0.0 192.168.20.25
username csmadmin password 5 <removed>   role Admin doma
in default-domain
username retail password 5 <removed>   role Admin domain
 default-domain
username bmcgloth password 5 <removed>   role Admin doma
in default-domain
```

DMZ-ACE-2_Admin

```
ACE2/Admin# sh run
Generating configuration....

logging enable
logging timestamp
logging trap 6
logging buffered 6
logging device-id context-name
logging host 192.168.42.124 udp/514
logging rate-limit 1 120 message 302027


login timeout 15
hostname ACE2
boot system image:c6ace-t1k9-mz.3.0.0_A1_4a.bin

resource-class Gold
```

```
  limit-resource all minimum 0.00 maximum unlimited
  limit-resource conc-connections minimum 10.00 maximum unlimited
  limit-resource sticky minimum 10.00 maximum unlimited


tacacs-server host 192.168.42.131 key 7 "<removed>"
aaa group server tacacs+ RETAIL
  server 192.168.42.131

clock timezone standard PST
clock summer-time standard PDT
aaa authentication login default group RETAIL local
aaa authentication login console group RETAIL local
aaa accounting default group RETAIL local



class-map type management match-any remote-mgmt
  9 match protocol ssh source-address 192.168.41.102 255.255.255.255
  10 match protocol ssh source-address 192.168.42.131 255.255.255.255
  30 match protocol icmp any
  31 match protocol ssh source-address 10.19.151.99 255.255.255.255
  32 match protocol ssh source-address 192.168.41.101 255.255.255.255
  33 match protocol ssh source-address 192.168.42.111 255.255.255.255
  34 match protocol ssh source-address 192.168.42.122 255.255.255.255
  35 match protocol ssh source-address 192.168.42.124 255.255.255.255
  36 match protocol ssh source-address 192.168.42.133 255.255.255.255
  37 match protocol ssh source-address 192.168.42.138 255.255.255.255

policy-map type management first-match remote-access
  class remote-mgmt
    permit

interface vlan 21
  peer ip address 192.168.21.95 255.255.255.0
  service-policy input remote-access
  no shutdown

ft interface vlan 85
  ip address 192.168.20.10 255.255.255.252
  peer ip address 192.168.20.9 255.255.255.252
  no shutdown

ft peer 1
  heartbeat interval 300
  heartbeat count 10
  ft-interface vlan 85
ft group 11
  peer 1
  priority 105
  peer priority 110
  associate-context Admin
  inservice

domain cisco-irn.com

ip route 0.0.0.0 0.0.0.0 192.168.21.1

context PCI
  allocate-interface vlan 82-83
  allocate-interface vlan 95
```

```
ft group 10
  peer 1
  priority 105
  peer priority 110
  associate-context PCI
  inservice
username admin password 5 <removed>   role Admin domain
default-domain
username www password 5 <removed>   role Admin domain de
fault-domain
username retail password 5 <removed>   role Admin domain
 default-domain
username csmadmin password 5 <removed>   role Admin doma
in default-domain
ssh key rsa 1024 force

ACE2/Admin#
```

DMZ-ACE-2_PCI

```
ACE2/PCI# sh run
Generating configuration....

logging enable
logging timestamp
logging buffered 7
logging monitor 7
logging device-id context-name
logging host 192.168.42.124 udp/514
logging rate-limit 1 120 message 302027


login timeout 15

tacacs-server host 192.168.42.131 key 7 "<removed>"
aaa group server tacacs+ RETAIL
  server 192.168.42.131
aaa authentication login default group RETAIL local
aaa authentication login console group RETAIL local
aaa accounting default group RETAIL local

access-list allow2server line 20 extended permit ip any host 192.168.20.3
access-list allow2server line 21 extended permit tcp host 192.168.20.44 host 192
.168.42.130 eq ldap
access-list allow2server line 22 extended deny ip any any
access-list in2out line 10 extended permit ip host 192.168.20.3 any
access-list in2out line 15 extended deny ip any any
access-list out2in line 10 extended permit tcp any host 192.168.20.1 eq www
access-list out2in line 15 extended deny ip any any


probe icmp ICMP
  interval 2
  faildetect 2
  passdetect interval 60
  passdetect count 2

rserver host ECOM
  ip address 192.168.20.44
  inservice
```

```
serverfarm host PCI-ECOM
  predictor leastconns
  probe ICMP
  rserver ECOM
    inservice

class-map match-any ECOMVIP
  11 match virtual-address 192.168.20.1 any
class-map type management match-any remote-mgmt
  30 match protocol icmp any
  31 match protocol ssh source-address 10.19.151.99 255.255.255.255
  32 match protocol ssh source-address 192.168.41.101 255.255.255.255
  33 match protocol ssh source-address 192.168.41.102 255.255.255.255
  34 match protocol ssh source-address 192.168.42.111 255.255.255.255
  35 match protocol ssh source-address 192.168.42.122 255.255.255.255
  36 match protocol ssh source-address 192.168.42.124 255.255.255.255
  37 match protocol ssh source-address 192.168.42.131 255.255.255.255
  38 match protocol ssh source-address 192.168.42.133 255.255.255.255
  39 match protocol ssh source-address 192.168.42.138 255.255.255.255

policy-map type management first-match remote-access
  class remote-mgmt
    permit
policy-map type loadbalance first-match ECOMPOLICY
  class class-default
    serverfarm PCI-ECOM
policy-map multi-match ECOM_MATCH
  class ECOMVIP
    loadbalance vip inservice
    loadbalance policy ECOMPOLICY

service-policy input remote-access

interface vlan 82
  description ACE_outside
  ip address 192.168.20.29 255.255.255.248
  ip verify reverse-path
  alias 192.168.20.30 255.255.255.248
  peer ip address 192.168.20.28 255.255.255.248
  access-group input out2in
  service-policy input ECOM_MATCH
  no shutdown
interface vlan 83
  description ACE_inside
  ip address 192.168.20.5 255.255.255.248
  ip verify reverse-path
  alias 192.168.20.6 255.255.255.248
  peer ip address 192.168.20.4 255.255.255.248
  access-group input in2out
  no shutdown

domain cisco-irn.com

ip route 0.0.0.0 0.0.0.0 192.168.20.25
username csmadmin password 5 <removed>   role Admin doma
in default-domain
username retail password 5 <removed>   role Admin domain
 default-domain
username bmcgloth password 5 <removed>   role Admin doma
in default-domain
```

```
ACE2/PCI#
```

DMZ-IDS-1

```
! ------------------------------
! Current configuration last modified Thu Apr 28 21:34:42 2011
! ------------------------------
! Version 7.0(4)
! Host:
!     Realm Keys          key1.0
! Signature Definition:
!     Signature Update    S500.0   2010-07-09
! ------------------------------
service interface
physical-interfaces GigabitEthernet0/7
subinterface-type inline-vlan-pair
subinterface 1
description INT1 vlans 83 and 84
vlan1 83
vlan2 84
exit
exit
exit
exit
! ------------------------------
service authentication
attemptLimit 6
password-strength
size 7-64
digits-min 1
lowercase-min 1
other-min 1
number-old-passwords 4
exit
exit
! ------------------------------
service event-action-rules rules0
exit
! ------------------------------
service host
network-settings
host-ip 192.168.21.93/24,192.168.21.1
host-name DMZ-IDS1
telnet-option disabled
access-list 10.19.151.99/32
access-list 192.168.41.101/32
access-list 192.168.41.102/32
access-list 192.168.42.122/32
access-list 192.168.42.124/32
access-list 192.168.42.133/32
access-list 192.168.42.138/32
dns-primary-server enabled
address 192.168.42.130
exit
dns-secondary-server disabled
dns-tertiary-server disabled
http-proxy proxy-server
address 128.107.241.169
port 80
exit
```

```
exit
time-zone-settings
offset -8
standard-time-zone-name PST
exit
ntp-option enabled-ntp-unauthenticated
ntp-server 192.168.62.161
exit
summertime-option recurring
summertime-zone-name PDT
exit
exit
! ------------------------------
service logger
exit
! ------------------------------
service network-access
exit
! ------------------------------
service notification
trap-destinations 192.168.42.124
trap-community-name <removed>
exit
enable-notifications true
trap-community-name <removed>
exit
! ------------------------------
service signature-definition sig0
exit
! ------------------------------
service ssh-known-hosts
exit
! ------------------------------
service trusted-certificates
exit
! ------------------------------
service web-server
exit
! ------------------------------
service anomaly-detection ad0
exit
! ------------------------------
service external-product-interface
exit
! ------------------------------
service health-monitor
exit
! ------------------------------
service global-correlation
exit
! ------------------------------
service aaa
aaa radius
primary-server
server-address 192.168.42.131
shared-secret <removed>
exit
nas-id DMZ-IDS1
local-fallback enabled
console-authentication radius-and-local
default-user-role administrator
exit
exit
! ------------------------------
```

```
service analysis-engine
exit
```

DMZ-IDSM2

```
! ------------------------------
! Current configuration last modified Thu Apr 28 22:06:38 2011
! ------------------------------
! Version 7.0(4)
! Host:
!     Realm Keys          key1.0
! Signature Definition:
!     Signature Update    S500.0   2010-07-09
! ------------------------------
service interface
physical-interfaces GigabitEthernet0/7
subinterface-type inline-vlan-pair
subinterface 1
description INT1 vlans 83 and 84
vlan1 83
vlan2 84
exit
exit
exit
exit
! ------------------------------
service authentication
attemptLimit 6
password-strength
size 7-64
digits-min 1
lowercase-min 1
other-min 1
number-old-passwords 4
exit
exit
! ------------------------------
service event-action-rules rules0
exit
! ------------------------------
service host
network-settings
host-ip 192.168.21.94/24,192.168.21.1
host-name DMZ-IDS2
telnet-option disabled
access-list 10.19.151.99/32
access-list 192.168.41.101/32
access-list 192.168.41.102/32
access-list 192.168.42.122/32
access-list 192.168.42.124/32
access-list 192.168.42.133/32
access-list 192.168.42.138/32
dns-primary-server enabled
address 192.168.42.130
exit
dns-secondary-server disabled
dns-tertiary-server disabled
http-proxy proxy-server
address 128.107.241.169
port 80
exit
```

```
exit
time-zone-settings
offset -8
standard-time-zone-name PST
exit
ntp-option enabled-ntp-unauthenticated
ntp-server 192.168.62.161
exit
summertime-option recurring
summertime-zone-name PDT
exit
exit
! ------------------------------
service logger
exit
! ------------------------------
service network-access
exit
! ------------------------------
service notification
trap-destinations 192.168.42.124
trap-community-name <removed>
exit
enable-notifications true
trap-community-name <removed>
exit
! ------------------------------
service signature-definition sig0
exit
! ------------------------------
service ssh-known-hosts
exit
! ------------------------------
service trusted-certificates
exit
! ------------------------------
service web-server
exit
! ------------------------------
service anomaly-detection ad0
exit
! ------------------------------
service external-product-interface
exit
! ------------------------------
service health-monitor
exit
! ------------------------------
service global-correlation
exit
! ------------------------------
service aaa
aaa radius
primary-server
server-address 192.168.42.131
shared-secret <removed>
exit
nas-id DMZ-IDS1
local-fallback enabled
console-authentication radius-and-local
default-user-role administrator
exit
exit
! ------------------------------
```

```
service analysis-engine
exit
```

FW-A2-MSP-1

```
: Saved
: Written by retail at 18:15:18.945 PDT Fri Apr 29 2011
!
ASA Version 8.4(1)
!
hostname FW-A2-MSP-1
domain-name cisco-irn.com
enable password <removed>  encrypted
passwd <removed>  encrypted
names
dns-guard
!
interface Ethernet0/0
 nameif MSP-WAN
 security-level 0
 ip address 10.10.255.176 255.255.255.0
!
interface Ethernet0/1
 no nameif
 no security-level
 no ip address
!
interface Ethernet0/1.11
 vlan 11
 nameif POS
 security-level 95
 ip address 10.10.176.1 255.255.255.0
!
interface Ethernet0/1.12
 vlan 12
 nameif DATA
 security-level 85
 ip address 10.10.177.1 255.255.255.0
!
interface Ethernet0/1.13
 vlan 13
 nameif VOICE
 security-level 80
 ip address 10.10.178.1 255.255.255.0
!
interface Ethernet0/1.14
 vlan 14
 nameif WIRELESS
 security-level 70
 ip address 10.10.179.1 255.255.255.0
!
interface Ethernet0/1.15
 vlan 15
 nameif WIRELESS-POS
 security-level 90
 ip address 10.10.180.1 255.255.255.0
!
interface Ethernet0/1.16
 vlan 16
 nameif PARTNER
 security-level 65
```

```
 ip address 10.10.181.1 255.255.255.0
!
interface Ethernet0/1.17
 vlan 17
 nameif WIRELESS-GUEST
 security-level 10
 ip address 10.10.182.1 255.255.255.0
!
interface Ethernet0/1.18
 vlan 18
 nameif WIRELESS-CONTROL
 security-level 75
 ip address 10.10.183.1 255.255.255.0
!
interface Ethernet0/1.19
 vlan 19
 nameif WAAS
 security-level 100
 ip address 10.10.184.1 255.255.255.0
!
interface Ethernet0/1.1000
 vlan 1000
 nameif MANAGEMENT
 security-level 100
 ip address 10.10.191.1 255.255.255.0
!
interface Ethernet0/2
 shutdown
 no nameif
 no security-level
 no ip address
!
interface Ethernet0/3
 shutdown
 no nameif
 no security-level
 no ip address
!
interface Management0/0
 shutdown
 no nameif
 no security-level
 no ip address
!
ftp mode passive
clock timezone PST -8
clock summer-time PDT recurring
dns server-group DefaultDNS
 domain-name cisco-irn.com
same-security-traffic permit inter-interface
object network AdminStation
 host 192.168.41.101
object network AdminStation2
 host 192.168.41.102
object network AdminStation4-bart
 host 10.19.151.99
object network EMC-NCM
 host 192.168.42.122
 description EMC Network Configuration Manager
object network CSManager
 host 192.168.42.133
 description Cisco Security Manager
object network AdminStation3
 host 192.168.42.138
```

```
object network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
object network DC-POS
 subnet 192.168.52.0 255.255.255.0
 description POS in the Data Center
object network WCSManager
 host 192.168.43.135
 description Wireless Manager
object network PAME-DC-1
 host 192.168.44.111
object network MSP-DC-1
 host 192.168.44.121
 description Data Center VSOM
object network DC-ALL
 subnet 192.168.0.0 255.255.0.0
 description All of the Data Center
object network RSA-enVision
 host 192.168.42.124
 description RSA EnVision Syslog collector and SIM
object network TACACS
 host 192.168.42.131
 description Csico Secure ACS server for TACACS and Radius
object network RSA-AM
 host 192.168.42.137
 description RSA Authentication Manager for SecureID
object network NAC-2
 host 192.168.42.112
object network NAC-1
 host 192.168.42.111
 description ISE server for NAC
object network MS-Update
 host 192.168.42.150
 description Windows Update Server
object network MSExchange
 host 192.168.42.140
 description Mail Server
object service RPC
 service tcp destination eq 135
object service LDAP-GC
 service tcp destination eq 3268
object service LDAP-GC-SSL
 service tcp destination eq 3269
object service Kerberos-TCP
 service tcp destination eq 88
object service Microsoft-DS-SMB
 service tcp destination eq 445
 description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
object service LDAP-UDP
 service udp destination eq 389
object service RPC-HighPorts
 service tcp destination range 1024 65535
object service ORACLE-OAS
 service tcp destination eq 12601
 description OAS uses one port for HTTP and RMI - 12601.
object service TOMAX-8990
 service tcp destination eq 8990
 description Tomax Application Port
object service IP-Protocol-97
 service 97
 description IP protocol 97
object service TCP1080
 service tcp destination eq 1080
object service TCP8080
 service tcp destination eq 8080
```

```
object service RDP
 service tcp destination eq 3389
 description Windows Remote Desktop
object-group network CSM_INLINE_src_rule_73014461090
 description Generated by CS-Manager from src of FirewallRule# 1 (ASA-Store_V2/mandatory)
 network-object object AdminStation
 network-object object AdminStation2
 network-object object AdminStation4-bart
object-group network Admin-Systems
 network-object object EMC-NCM
 network-object object AdminStation
 network-object object AdminStation2
 network-object object CSManager
 network-object object AdminStation3
 network-object object AdminStation4-bart
object-group network DC-POS-Tomax
 description Tomax POS Communication from Store to Data Center
 network-object 192.168.52.96 255.255.255.224
object-group network DC-POS-SAP
 description SAP POS Communication from Store to Data Center
 network-object 192.168.52.144 255.255.255.240
object-group network DC-POS-Oracle
 description Oracle POS Communication from Store to Data Center
 network-object 192.168.52.128 255.255.255.240
object-group network CSM_INLINE_src_rule_73014461184
 description Generated by CS-Manager from src of FirewallRule# 4 (ASA-Store_V2/mandatory)
 group-object DC-POS-Tomax
 network-object object DC-POS
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
object-group network POS-Store-MSP
 network-object 10.10.176.81 255.255.255.255
object-group network CSM_INLINE_dst_rule_73014461438
 description Generated by CS-Manager from dst of FirewallRule# 5 (ASA-Store_V2/mandatory)
 group-object DC-POS-Tomax
 network-object object DC-POS
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
object-group network Store-MSP-POS-net
 network-object 10.10.176.0 255.255.255.0
 network-object 10.10.180.0 255.255.255.0
object-group network CSM_INLINE_dst_rule_73014461436
 description Generated by CS-Manager from dst of FirewallRule# 7 (ASA-Store_V2/mandatory)
 group-object DC-POS-Tomax
 network-object object DC-POS
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for stores
 network-object 192.168.43.21 255.255.255.255
 network-object 192.168.43.22 255.255.255.255
object-group network DC-Wifi-MSE
 description Mobility Service Engines
 network-object 192.168.43.31 255.255.255.255
 network-object 192.168.43.32 255.255.255.255
object-group network CSM_INLINE_src_rule_73014461098
 description Generated by CS-Manager from src of FirewallRule# 8 (ASA-Store_V2/mandatory)
 network-object object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
object-group network CSM_INLINE_src_rule_73014461100
 description Generated by CS-Manager from src of FirewallRule# 9 (ASA-Store_V2/mandatory)
 network-object object PAME-DC-1
 network-object object MSP-DC-1
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object-group network DC-WAAS
 description WAE Appliances in Data Center
 network-object 192.168.48.10 255.255.255.255
 network-object 192.168.49.10 255.255.255.255
 network-object 192.168.47.11 255.255.255.255
 network-object 192.168.47.12 255.255.255.255
object-group network NTP-Servers
 description NTP Servers
 network-object 192.168.62.161 255.255.255.255
 network-object 162.168.62.162 255.255.255.255
object-group network CSM_INLINE_dst_rule_73014461120
 description Generated by CS-Manager from dst of FirewallRule# 17 (ASA-Store_V2/mandatory)
 network-object object TACACS
 network-object object RSA-AM
 network-object object NAC-2
 network-object object NAC-1
object-group network CSM_INLINE_dst_rule_73014461126
 description Generated by CS-Manager from dst of FirewallRule# 18 (ASA-Store_V2/mandatory)
 network-object object PAME-DC-1
 network-object object MSP-DC-1
object-group network CSM_INLINE_dst_rule_73014461128
 description Generated by CS-Manager from dst of FirewallRule# 19 (ASA-Store_V2/mandatory)
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
object-group service HTTPS-8443
 service-object tcp destination eq 8443
object-group service CSM_INLINE_svc_rule_73014461092
 description Generated by CS-Manager from service of FirewallRule# 2
(ASA-Store_V2/mandatory)
 service-object tcp destination eq ssh
 service-object tcp destination eq https
 group-object HTTPS-8443
object-group service DNS-Resolving
 description Domain Name Server
 service-object tcp destination eq domain
 service-object udp destination eq domain
object-group service CSM_INLINE_svc_rule_73014461094
 description Generated by CS-Manager from service of FirewallRule# 3
(ASA-Store_V2/mandatory)
 service-object tcp destination eq ldap
 service-object tcp destination eq ldaps
 service-object udp destination eq 88
 service-object udp destination eq ntp
 service-object udp destination eq netbios-dgm
 service-object object RPC
 service-object object LDAP-GC
 service-object object LDAP-GC-SSL
 service-object object Kerberos-TCP
 service-object object Microsoft-DS-SMB
 service-object object LDAP-UDP
 service-object object RPC-HighPorts
 group-object DNS-Resolving
object-group service ORACLE-RMI
 description RMI TCP ports 1300 and 1301-1319.
 service-object tcp destination range 1300 1319
object-group service ORACLE-Weblogic
 description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
 service-object tcp destination eq 7001
 service-object tcp destination eq 7002
 service-object tcp destination eq sqlnet
object-group service ORACLE-WAS
 description RMI/IIOP over 2809  HTTP over 9443 IBM-MQ 1414
 service-object tcp destination eq 2809
 service-object tcp destination eq 9443
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 service-object tcp destination eq 1414
object-group service CSM_INLINE_svc_rule_73014461184
 description Generated by CS-Manager from service of FirewallRule# 4
(ASA-Store_V2/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq ssh
 service-object object ORACLE-OAS
 service-object object TOMAX-8990
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object HTTPS-8443
object-group service TFTP
 description Trivial File Transfer
 service-object tcp destination eq 69
 service-object udp destination eq tftp
object-group service LWAPP
 description LWAPP UDP ports 12222 and 12223
 service-object udp destination eq 12222
 service-object udp destination eq 12223
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 service-object udp destination eq 5246
 service-object udp destination eq 5247
object-group service CSM_INLINE_svc_rule_73014461098
 description Generated by CS-Manager from service of FirewallRule# 8
(ASA-Store_V2/mandatory)
 service-object tcp destination eq https
 service-object tcp destination eq www
 service-object udp destination eq isakmp
 service-object tcp destination eq telnet
 service-object tcp destination eq ssh
 service-object object IP-Protocol-97
 group-object TFTP
 group-object LWAPP
 group-object CAPWAP
object-group service CSM_INLINE_svc_rule_73014461102
 description Generated by CS-Manager from service of FirewallRule# 10
(ASA-Store_V2/mandatory)
 service-object icmp echo
 service-object icmp echo-reply
 service-object tcp destination eq www
 service-object tcp destination eq https
 service-object tcp destination eq ssh
 service-object tcp destination eq ftp
 service-object object TCP1080
 service-object object TCP8080
 service-object object RDP
 group-object HTTPS-8443
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 service-object tcp destination eq 4050
object-group service Netbios
 description Netbios Servers
 service-object udp destination eq netbios-dgm
 service-object udp destination eq netbios-ns
 service-object tcp destination eq netbios-ssn
object-group service CSM_INLINE_svc_rule_73014461104
 description Generated by CS-Manager from service of FirewallRule# 11
(ASA-Store_V2/mandatory)
 service-object object Microsoft-DS-SMB
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Netbios
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object-group service CSM_INLINE_svc_rule_73014461106
 description Generated by CS-Manager from service of FirewallRule# 12
(ASA-Store_V2/mandatory)
 service-object tcp-udp destination eq sip
 service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_73014461112
 description Generated by CS-Manager from service of FirewallRule# 14
(ASA-Store_V2/mandatory)
 service-object udp destination eq snmptrap
 service-object udp destination eq snmp
 service-object udp destination eq syslog
object-group service CSM_INLINE_svc_rule_73014461120
 description Generated by CS-Manager from service of FirewallRule# 17
(ASA-Store_V2/mandatory)
 service-object udp destination eq 1812
 service-object udp destination eq 1813
 service-object tcp destination eq https
 service-object tcp destination eq www
 group-object HTTPS-8443
object-group service Cisco-Mobility
 description Mobility ports for Wireless
 service-object udp destination eq 16666
 service-object udp destination eq 16667
object-group service CSM_INLINE_svc_rule_73014461128
 description Generated by CS-Manager from service of FirewallRule# 19
(ASA-Store_V2/mandatory)
 service-object tcp destination eq https
 service-object udp destination eq isakmp
 service-object object IP-Protocol-97
 group-object Cisco-Mobility
 group-object LWAPP
 group-object CAPWAP
object-group service CSM_INLINE_svc_rule_73014461130
 description Generated by CS-Manager from service of FirewallRule# 20
(ASA-Store_V2/mandatory)
 service-object tcp-udp destination eq sip
 service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_73014461132
 description Generated by CS-Manager from service of FirewallRule# 21
(ASA-Store_V2/mandatory)
 service-object object Microsoft-DS-SMB
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Netbios
object-group service CSM_INLINE_svc_rule_73014461134
 description Generated by CS-Manager from service of FirewallRule# 22
(ASA-Store_V2/mandatory)
 service-object tcp destination eq ldap
 service-object tcp destination eq ldaps
 service-object udp destination eq 88
 service-object udp destination eq ntp
 service-object udp destination eq netbios-dgm
 service-object object RPC
 service-object object LDAP-GC
 service-object object LDAP-GC-SSL
 service-object object Kerberos-TCP
 service-object object Microsoft-DS-SMB
 service-object object LDAP-UDP
 service-object object RPC-HighPorts
 group-object DNS-Resolving
object-group service CSM_INLINE_svc_rule_73014461136
 description Generated by CS-Manager from service of FirewallRule# 23
(ASA-Store_V2/mandatory)
 service-object tcp destination eq www
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 service-object tcp destination eq https
object-group service CSM_INLINE_svc_rule_73014461138
 description Generated by CS-Manager from service of FirewallRule# 24
(ASA-Store_V2/mandatory)
 service-object tcp destination eq www
 service-object tcp destination eq https
 service-object tcp destination eq smtp
 service-object tcp destination eq pop3
 service-object tcp destination eq imap4
access-list OUTSIDE remark LAB Testing
access-list OUTSIDE extended permit ip object-group CSM_INLINE_src_rule_73014461090
10.10.176.0 255.255.248.0
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461092
object-group Admin-Systems 10.10.176.0 255.255.248.0
access-list OUTSIDE remark Allow Active Directory Domain
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461094 object
ActiveDirectory.cisco-irn.com 10.10.176.0 255.255.248.0
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461184
object-group CSM_INLINE_src_rule_73014461184 object-group POS-Store-MSP
access-list OUTSIDE extended deny ip any object-group Store-MSP-POS-net
access-list OUTSIDE extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list OUTSIDE remark Wireless Management to Stores
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461098
object-group CSM_INLINE_src_rule_73014461098 10.10.183.0 255.255.255.0
access-list OUTSIDE remark Physical security systems
access-list OUTSIDE extended permit tcp object-group CSM_INLINE_src_rule_73014461100
10.10.191.0 255.255.255.0 eq https
access-list OUTSIDE remark Allow Management of store systems
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461102 object
DC-ALL 10.10.176.0 255.255.248.0
access-list OUTSIDE remark WAAS systems
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461104
object-group DC-WAAS 10.10.184.0 255.255.255.0
access-list OUTSIDE remark Voice calls
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461106 object
DC-ALL 10.10.178.0 255.255.255.0
access-list OUTSIDE extended permit tcp 10.10.176.0 255.255.248.0 object EMC-NCM eq ssh
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461112
10.10.176.0 255.255.248.0 object RSA-enVision
access-list OUTSIDE extended permit tcp 10.10.176.0 255.255.248.0 object TACACS eq tacacs
access-list OUTSIDE extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers
eq ntp
access-list OUTSIDE remark Drop all other traffic
access-list OUTSIDE extended deny ip any any log
access-list CSM_FW_ACL_POS remark Allow Applications
access-list CSM_FW_ACL_POS extended permit tcp object-group POS-Store-MSP object-group
CSM_INLINE_dst_rule_73014461438 eq https
access-list CSM_FW_ACL_POS extended deny ip any object-group Store-MSP-POS-net
access-list CSM_FW_ACL_POS extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list CSM_FW_ACL_POS extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_POS extended permit object-group CSM_INLINE_svc_rule_73014461120
10.10.176.0 255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list CSM_FW_ACL_POS remark Allow Active Directory Domain
access-list CSM_FW_ACL_POS extended permit object-group CSM_INLINE_svc_rule_73014461134
10.10.176.0 255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list CSM_FW_ACL_POS remark Allow Windows Updates
access-list CSM_FW_ACL_POS extended permit object-group CSM_INLINE_svc_rule_73014461136
10.10.176.0 255.255.248.0 object MS-Update
access-list CSM_FW_ACL_POS remark Allow Mail
access-list CSM_FW_ACL_POS extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MSExchange
access-list CSM_FW_ACL_POS remark Drop all other traffic
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access-list CSM_FW_ACL_POS extended deny ip any any log
access-list CSM_FW_ACL_WIRELESS-POS remark Allow Applications
access-list CSM_FW_ACL_WIRELESS-POS extended permit tcp object-group POS-Store-MSP
object-group CSM_INLINE_dst_rule_73014461438 eq https
access-list CSM_FW_ACL_WIRELESS-POS extended deny ip any object-group Store-MSP-POS-net
access-list CSM_FW_ACL_WIRELESS-POS extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list CSM_FW_ACL_WIRELESS-POS extended permit udp 10.10.176.0 255.255.248.0
object-group NTP-Servers eq ntp
access-list CSM_FW_ACL_WIRELESS-POS remark Allow Active Directory Domain
access-list CSM_FW_ACL_WIRELESS-POS extended permit object-group
CSM_INLINE_svc_rule_73014461134 10.10.176.0 255.255.248.0 object
ActiveDirectory.cisco-irn.com
access-list CSM_FW_ACL_WIRELESS-POS remark Allow Windows Updates
access-list CSM_FW_ACL_WIRELESS-POS extended permit object-group
CSM_INLINE_svc_rule_73014461136 10.10.176.0 255.255.248.0 object MS-Update
access-list CSM_FW_ACL_WIRELESS-POS remark Allow Mail
access-list CSM_FW_ACL_WIRELESS-POS extended permit object-group
CSM_INLINE_svc_rule_73014461138 10.10.176.0 255.255.248.0 object MSExchange
access-list CSM_FW_ACL_WIRELESS-POS remark Drop all other traffic
access-list CSM_FW_ACL_WIRELESS-POS extended deny ip any any log
access-list CSM_FW_ACL_DATA extended deny ip any object-group Store-MSP-POS-net
access-list CSM_FW_ACL_DATA extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list CSM_FW_ACL_DATA extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_DATA extended permit object-group CSM_INLINE_svc_rule_73014461120
10.10.176.0 255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list CSM_FW_ACL_DATA remark Allow Active Directory Domain
access-list CSM_FW_ACL_DATA extended permit object-group CSM_INLINE_svc_rule_73014461134
10.10.176.0 255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list CSM_FW_ACL_DATA remark Allow Windows Updates
access-list CSM_FW_ACL_DATA extended permit object-group CSM_INLINE_svc_rule_73014461136
10.10.176.0 255.255.248.0 object MS-Update
access-list CSM_FW_ACL_DATA remark Allow Mail
access-list CSM_FW_ACL_DATA extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MSExchange
access-list CSM_FW_ACL_DATA remark Drop all other traffic
access-list CSM_FW_ACL_DATA extended deny ip any any log
access-list CSM_FW_ACL_MANAGEMENT extended deny ip any object-group Store-MSP-POS-net
access-list CSM_FW_ACL_MANAGEMENT extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list CSM_FW_ACL_MANAGEMENT extended permit tcp 10.10.176.0 255.255.248.0 object
EMC-NCM eq ssh
access-list CSM_FW_ACL_MANAGEMENT extended permit object-group
CSM_INLINE_svc_rule_73014461112 10.10.176.0 255.255.248.0 object RSA-enVision
access-list CSM_FW_ACL_MANAGEMENT extended permit tcp 10.10.176.0 255.255.248.0 object
TACACS eq tacacs
access-list CSM_FW_ACL_MANAGEMENT extended permit udp 10.10.176.0 255.255.248.0
object-group NTP-Servers eq ntp
access-list CSM_FW_ACL_MANAGEMENT extended permit object-group
CSM_INLINE_svc_rule_73014461120 10.10.176.0 255.255.248.0 object-group
CSM_INLINE_dst_rule_73014461120
access-list CSM_FW_ACL_MANAGEMENT remark Physical security systems
access-list CSM_FW_ACL_MANAGEMENT extended permit tcp 10.10.191.0 255.255.255.0
object-group CSM_INLINE_dst_rule_73014461126 eq https
access-list CSM_FW_ACL_MANAGEMENT remark Allow Mail
access-list CSM_FW_ACL_MANAGEMENT extended permit object-group
CSM_INLINE_svc_rule_73014461138 10.10.176.0 255.255.248.0 object MSExchange
access-list CSM_FW_ACL_MANAGEMENT remark Drop all other traffic
access-list CSM_FW_ACL_MANAGEMENT extended deny ip any any log
access-list CSM_FW_ACL_PARTNER extended deny ip any object-group Store-MSP-POS-net
access-list CSM_FW_ACL_PARTNER extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
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access-list CSM_FW_ACL_PARTNER extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_PARTNER extended permit object-group
CSM_INLINE_svc_rule_73014461120 10.10.176.0 255.255.248.0 object-group
CSM_INLINE_dst_rule_73014461120
access-list CSM_FW_ACL_PARTNER remark Allow Mail
access-list CSM_FW_ACL_PARTNER extended permit object-group
CSM_INLINE_svc_rule_73014461138 10.10.176.0 255.255.248.0 object MSExchange
access-list CSM_FW_ACL_PARTNER remark Drop all other traffic
access-list CSM_FW_ACL_PARTNER extended deny ip any any log
access-list CSM_FW_ACL_VOICE extended deny ip any object-group Store-MSP-POS-net
access-list CSM_FW_ACL_VOICE extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list CSM_FW_ACL_VOICE extended permit tcp 10.10.176.0 255.255.248.0 object EMC-NCM
eq ssh
access-list CSM_FW_ACL_VOICE extended permit object-group CSM_INLINE_svc_rule_73014461112
10.10.176.0 255.255.248.0 object RSA-enVision
access-list CSM_FW_ACL_VOICE extended permit tcp 10.10.176.0 255.255.248.0 object TACACS
eq tacacs
access-list CSM_FW_ACL_VOICE extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_VOICE extended permit object-group CSM_INLINE_svc_rule_73014461120
10.10.176.0 255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list CSM_FW_ACL_VOICE remark Voice calls
access-list CSM_FW_ACL_VOICE extended permit object-group CSM_INLINE_svc_rule_73014461130
10.10.178.0 255.255.255.0 object DC-ALL
access-list CSM_FW_ACL_VOICE remark Allow Mail
access-list CSM_FW_ACL_VOICE extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MSExchange
access-list CSM_FW_ACL_VOICE remark Drop all other traffic
access-list CSM_FW_ACL_VOICE extended deny ip any any log
access-list CSM_FW_ACL_WAAS extended deny ip any object-group Store-MSP-POS-net
access-list CSM_FW_ACL_WAAS extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list CSM_FW_ACL_WAAS extended permit tcp 10.10.176.0 255.255.248.0 object EMC-NCM
eq ssh
access-list CSM_FW_ACL_WAAS extended permit object-group CSM_INLINE_svc_rule_73014461112
10.10.176.0 255.255.248.0 object RSA-enVision
access-list CSM_FW_ACL_WAAS extended permit tcp 10.10.176.0 255.255.248.0 object TACACS eq
tacacs
access-list CSM_FW_ACL_WAAS extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_WAAS remark WAAS systems
access-list CSM_FW_ACL_WAAS extended permit object-group CSM_INLINE_svc_rule_73014461132
10.10.184.0 255.255.255.0 object-group DC-WAAS
access-list CSM_FW_ACL_WAAS remark Allow Active Directory Domain
access-list CSM_FW_ACL_WAAS extended permit object-group CSM_INLINE_svc_rule_73014461134
10.10.176.0 255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list CSM_FW_ACL_WAAS remark Drop all other traffic
access-list CSM_FW_ACL_WAAS extended deny ip any any log
access-list CSM_FW_ACL_WIRELESS extended deny ip any object-group Store-MSP-POS-net
access-list CSM_FW_ACL_WIRELESS extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list CSM_FW_ACL_WIRELESS extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_WIRELESS remark Allow Active Directory Domain
access-list CSM_FW_ACL_WIRELESS extended permit object-group
CSM_INLINE_svc_rule_73014461134 10.10.176.0 255.255.248.0 object
ActiveDirectory.cisco-irn.com
access-list CSM_FW_ACL_WIRELESS remark Allow Windows Updates
access-list CSM_FW_ACL_WIRELESS extended permit object-group
CSM_INLINE_svc_rule_73014461136 10.10.176.0 255.255.248.0 object MS-Update
access-list CSM_FW_ACL_WIRELESS remark Allow Mail
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access-list CSM_FW_ACL_WIRELESS extended permit object-group
CSM_INLINE_svc_rule_73014461138 10.10.176.0 255.255.248.0 object MSExchange
access-list CSM_FW_ACL_WIRELESS remark Drop all other traffic
access-list CSM_FW_ACL_WIRELESS extended deny ip any any log
access-list CSM_FW_ACL_WIRELESS-CONTROL extended deny ip any object-group
Store-MSP-POS-net
access-list CSM_FW_ACL_WIRELESS-CONTROL extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list CSM_FW_ACL_WIRELESS-CONTROL extended permit tcp 10.10.176.0 255.255.248.0
object EMC-NCM eq ssh
access-list CSM_FW_ACL_WIRELESS-CONTROL extended permit object-group
CSM_INLINE_svc_rule_73014461112 10.10.176.0 255.255.248.0 object RSA-enVision
access-list CSM_FW_ACL_WIRELESS-CONTROL extended permit tcp 10.10.176.0 255.255.248.0
object TACACS eq tacacs
access-list CSM_FW_ACL_WIRELESS-CONTROL extended permit udp 10.10.176.0 255.255.248.0
object-group NTP-Servers eq ntp
access-list CSM_FW_ACL_WIRELESS-CONTROL extended permit object-group
CSM_INLINE_svc_rule_73014461120 10.10.176.0 255.255.248.0 object-group
CSM_INLINE_dst_rule_73014461120
access-list CSM_FW_ACL_WIRELESS-CONTROL remark Wireless control systems
access-list CSM_FW_ACL_WIRELESS-CONTROL extended permit object-group
CSM_INLINE_svc_rule_73014461128 10.10.183.0 255.255.255.0 object-group
CSM_INLINE_dst_rule_73014461128
access-list CSM_FW_ACL_WIRELESS-CONTROL remark Drop all other traffic
access-list CSM_FW_ACL_WIRELESS-CONTROL extended deny ip any any log
access-list CSM_FW_ACL_WIRELESS-GUEST extended deny ip any object-group Store-MSP-POS-net
access-list CSM_FW_ACL_WIRELESS-GUEST extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list CSM_FW_ACL_WIRELESS-GUEST extended permit udp 10.10.176.0 255.255.248.0
object-group NTP-Servers eq ntp
access-list CSM_FW_ACL_WIRELESS-GUEST remark Drop all other traffic
access-list CSM_FW_ACL_WIRELESS-GUEST extended deny ip any any log
pager lines 24
logging enable
logging trap debugging
logging asdm debugging
logging host MSP-WAN 192.168.42.124
mtu MSP-WAN 1500
mtu POS 1500
mtu DATA 1500
mtu VOICE 1500
mtu WIRELESS 1500
mtu WIRELESS-POS 1500
mtu PARTNER 1500
mtu WIRELESS-GUEST 1500
mtu WIRELESS-CONTROL 1500
mtu WAAS 1500
mtu MANAGEMENT 1500
no failover
icmp unreachable rate-limit 1 burst-size 1
icmp permit any MSP-WAN
icmp permit any POS
icmp permit any DATA
icmp permit any VOICE
icmp permit any WIRELESS
icmp permit any WIRELESS-POS
icmp permit any PARTNER
icmp permit any WIRELESS-GUEST
icmp permit any WIRELESS-CONTROL
icmp permit any WAAS
icmp permit any MANAGEMENT
asdm image disk0:/asdm-641.bin
asdm history enable
arp timeout 14400
```

```
access-group OUTSIDE in interface MSP-WAN
access-group CSM_FW_ACL_POS in interface POS
access-group CSM_FW_ACL_DATA in interface DATA
access-group CSM_FW_ACL_VOICE in interface VOICE
access-group CSM_FW_ACL_WIRELESS in interface WIRELESS
access-group CSM_FW_ACL_WIRELESS-POS in interface WIRELESS-POS
access-group CSM_FW_ACL_PARTNER in interface PARTNER
access-group CSM_FW_ACL_WIRELESS-GUEST in interface WIRELESS-GUEST
access-group CSM_FW_ACL_WIRELESS-CONTROL in interface WIRELESS-CONTROL
access-group CSM_FW_ACL_WAAS in interface WAAS
access-group CSM_FW_ACL_MANAGEMENT in interface MANAGEMENT
route MSP-WAN 0.0.0.0 0.0.0.0 10.10.255.11 1
timeout xlate 3:00:00
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect 0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
dynamic-access-policy-record DfltAccessPolicy
aaa-server RETAIL protocol tacacs+
aaa-server RETAIL (MANAGEMENT) host 192.168.42.131
 key ******
aaa authentication enable console RETAIL LOCAL
aaa authentication http console RETAIL LOCAL
aaa authentication ssh console RETAIL LOCAL
aaa accounting ssh console RETAIL
aaa accounting enable console RETAIL
aaa accounting command privilege 15 RETAIL
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
aaa authorization exec authentication-server
http server enable
http server idle-timeout 15
http server session-timeout 60
http 10.19.151.99 255.255.255.255 MSP-WAN
http 192.168.41.101 255.255.255.255 MSP-WAN
http 192.168.41.102 255.255.255.255 MSP-WAN
http 192.168.42.122 255.255.255.255 MSP-WAN
http 192.168.42.124 255.255.255.255 MSP-WAN
http 192.168.42.133 255.255.255.255 MSP-WAN
http 192.168.42.138 255.255.255.255 MSP-WAN
no snmp-server location
no snmp-server contact
snmp-server community RetailCMOprivate
no snmp-server enable
telnet timeout 5
ssh 10.19.151.99 255.255.255.255 MSP-WAN
ssh 192.168.41.101 255.255.255.255 MSP-WAN
ssh 192.168.41.102 255.255.255.255 MSP-WAN
ssh 192.168.42.122 255.255.255.255 MSP-WAN
ssh 192.168.42.124 255.255.255.255 MSP-WAN
ssh 192.168.42.133 255.255.255.255 MSP-WAN
ssh 192.168.42.138 255.255.255.255 MSP-WAN
ssh timeout 15
ssh version 2
console timeout 15
dhcprelay server 192.168.42.130 MSP-WAN
dhcprelay enable POS
dhcprelay enable DATA
dhcprelay enable VOICE
dhcprelay enable WIRELESS
dhcprelay enable WIRELESS-POS
dhcprelay enable PARTNER
dhcprelay enable WIRELESS-GUEST
```

```
dhcprelay enable WIRELESS-CONTROL
dhcprelay timeout 60
threat-detection basic-threat
threat-detection statistics access-list
no threat-detection statistics tcp-intercept
ntp server 192.168.62.162 source MSP-WAN
ntp server 192.168.62.161 source MSP-WAN prefer
webvpn
username csmadmin password <removed> encrypted privilege 15
username retail password <removed>  encrypted privilege 15
username bmcgloth password <removed> encrypted privilege 15
!
!
prompt hostname context
call-home
 profile CiscoTAC-1
  no active
  destination address http https://tools.cisco.com/its/service/oddce/services/DDCEService
  destination address email callhome@cisco.com
  destination transport-method http
  subscribe-to-alert-group diagnostic
  subscribe-to-alert-group environment
  subscribe-to-alert-group inventory periodic monthly
  subscribe-to-alert-group configuration periodic monthly
  subscribe-to-alert-group telemetry periodic daily
password encryption aes
Cryptochecksum:0b5ca833caa61d445ed02aeee4bbf096
: end
```

FWSM-DMZ-1

```
FWSM-RIE-3# sh run
: Saved
:
FWSM Version 4.1(5)
!
hostname FWSM-RIE-3
domain-name cisco-irn.com
enable password <removed>  encrypted
names
dns-guard
!
interface Vlan21
 nameif inside
 security-level 100
 ip address 192.168.21.10 255.255.255.0
!
interface Vlan22
 nameif outside
 security-level 0
 ip address 192.168.22.1 255.255.255.0 standby 192.168.22.2
!
interface Vlan82
 nameif DMZ
 security-level 20
 ip address 192.168.20.25 255.255.255.248 standby 192.168.20.26
!
interface Vlan91
 description LAN Failover Interface
!
interface Vlan92
```

```
 description STATE Failover Interface
!
interface Vlan2305
 nameif EmailSecurityAppliance
 security-level 50
 ip address 192.168.23.65 255.255.255.240 standby 192.168.23.66
!
interface Vlan2306
 nameif EmailSecurityMgrAppliance
 security-level 60
 ip address 192.168.23.81 255.255.255.240 standby 192.168.23.82
!
passwd <removed>  encrypted
ftp mode passive
dns domain-lookup inside
dns name-server 192.168.42.130
same-security-traffic permit inter-interface
object-group icmp-type CSM_INLINE_svc_rule_81604379602.icmp
 description Generated by CS-Manager from service of FirewallRule# 10
(FWSM-DMZ-1_v1/mandatory)
 icmp-object echo
 icmp-object echo-reply
 icmp-object unreachable
object-group network CSM_INLINE_src_rule_81604379520
 description Generated by CS-Manager from src of FirewallRule# 1 (FWSM-DMZ-1_v1/mandatory)
 network-object 192.168.23.68 255.255.255.255
 network-object 192.168.23.84 255.255.255.255
object-group network CSM_INLINE_src_rule_81604379526
 description Generated by CS-Manager from src of FirewallRule# 2 (FWSM-DMZ-1_v1/mandatory)
 network-object 192.168.23.68 255.255.255.255
 network-object 192.168.23.84 255.255.255.255
object-group network RSA-enVision_1
 description RSA EnVision Syslog collector and SIM
 network-object 192.168.42.124 255.255.255.255
object-group network CSM_INLINE_src_rule_81604379528
 description Generated by CS-Manager from src of FirewallRule# 3 (FWSM-DMZ-1_v1/mandatory)
 network-object 192.168.23.68 255.255.255.255
 network-object 192.168.23.84 255.255.255.255
object-group network NTP-Servers
 description NTP Servers
 network-object 192.168.62.161 255.255.255.255
 network-object 162.168.62.162 255.255.255.255
object-group network CSM_INLINE_src_rule_81604379532
 description Generated by CS-Manager from src of FirewallRule# 4 (FWSM-DMZ-1_v1/mandatory)
 network-object 192.168.23.68 255.255.255.255
 network-object 192.168.23.84 255.255.255.255
object-group network TACACS_1
 description Csico Secure ACS server for TACACS and Radius
 network-object 192.168.42.131 255.255.255.255
object-group network AdminStation
 network-object 192.168.41.101 255.255.255.255
object-group network AdminStation2
 network-object 192.168.41.102 255.255.255.255
object-group network CSM_INLINE_src_rule_81604379552
 description Generated by CS-Manager from src of FirewallRule# 5 (FWSM-DMZ-1_v1/mandatory)
 group-object AdminStation
 group-object AdminStation2
object-group network EMC-NCM
 description EMC Network Configuration Manager
 network-object 192.168.42.122 255.255.255.255
object-group network CSManager
 description Cisco Security Manager
 network-object 192.168.42.133 255.255.255.255
object-group network RSA-enVision
```

```
 description RSA EnVision Syslog collector and SIM
 network-object 192.168.42.124 255.255.255.255
object-group network AdminStation3
 network-object 192.168.42.138 255.255.255.255
object-group network AdminStation4-bart
 network-object 10.19.151.99 255.255.255.255
object-group network Admin-Systems
 group-object EMC-NCM
 group-object AdminStation
 group-object AdminStation2
 group-object CSManager
 group-object RSA-enVision
 group-object AdminStation3
 group-object AdminStation4-bart
object-group network DC-ALL
 description All of the Data Center
 network-object 192.168.0.0 255.255.0.0
object-group network Stores-ALL
 description all store networks
 network-object 10.10.0.0 255.255.0.0
object-group network CSM_INLINE_src_rule_81604379580
 description Generated by CS-Manager from src of FirewallRule# 7 (FWSM-DMZ-1_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
object-group network CSM_INLINE_src_rule_81604379592
 description Generated by CS-Manager from src of FirewallRule# 8 (FWSM-DMZ-1_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
object-group network CSM_INLINE_src_rule_81604379602
 description Generated by CS-Manager from src of FirewallRule# 10
(FWSM-DMZ-1_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
object-group network ActiveDirectory.cisco-irn.com
 network-object 192.168.42.130 255.255.255.255
object-group network PAME-DC-1
 network-object 192.168.44.111 255.255.255.255
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 network-object 192.168.42.131 255.255.255.255
object-group network CSM_INLINE_src_rule_81604379688
 description Generated by CS-Manager from src of FirewallRule# 21
(FWSM-DMZ-1_v1/mandatory)
 network-object 192.168.22.11 255.255.255.255
 network-object 192.168.22.12 255.255.255.255
object-group network CSM_INLINE_src_rule_81604379690
 description Generated by CS-Manager from src of FirewallRule# 22
(FWSM-DMZ-1_v1/mandatory)
 network-object 192.168.22.11 255.255.255.255
 network-object 192.168.22.12 255.255.255.255
object-group network CSM_INLINE_src_rule_81604379692
 description Generated by CS-Manager from src of FirewallRule# 23
(FWSM-DMZ-1_v1/mandatory)
 network-object 192.168.22.11 255.255.255.255
 network-object 192.168.22.12 255.255.255.255
object-group service CSM_INLINE_svc_rule_81604379520.tcp tcp
 description Generated by CS-Manager from service of FirewallRule# 1
(FWSM-DMZ-1_v1/mandatory)
 port-object eq smtp
 port-object eq domain
object-group service CSM_INLINE_svc_rule_81604379532 udp
 description Generated by CS-Manager from service of FirewallRule# 4
(FWSM-DMZ-1_v1/mandatory)
 port-object eq 1812
```

```
 port-object eq 1813
object-group service CSM_INLINE_svc_rule_81604379556 tcp
 description Generated by CS-Manager from service of FirewallRule# 6
(FWSM-DMZ-1_v1/mandatory)
 port-object eq ssh
 port-object eq https
object-group service CSM_INLINE_svc_rule_81604379580 tcp
 description Generated by CS-Manager from service of FirewallRule# 7
(FWSM-DMZ-1_v1/mandatory)
 port-object eq smtp
 port-object eq https
 port-object eq ssh
object-group service CSM_INLINE_svc_rule_81604379592 tcp
 description Generated by CS-Manager from service of FirewallRule# 8
(FWSM-DMZ-1_v1/mandatory)
 port-object eq https
 port-object eq ssh
object-group service CSM_INLINE_svc_rule_81604379602.tcp tcp
 description Generated by CS-Manager from service of FirewallRule# 10
(FWSM-DMZ-1_v1/mandatory)
 port-object eq www
 port-object eq ftp
 port-object eq https
 port-object eq 8443
 port-object eq 1080
 port-object eq 8080
 port-object eq telnet
 port-object eq ssh
object-group service CSM_INLINE_svc_rule_81604379626.tcp tcp
 description Generated by CS-Manager from service of FirewallRule# 11
(FWSM-DMZ-1_v1/mandatory)
 port-object eq domain
 port-object eq 123
object-group service CSM_INLINE_svc_rule_81604379626.udp udp
 description Generated by CS-Manager from service of FirewallRule# 11
(FWSM-DMZ-1_v1/mandatory)
 port-object eq domain
 port-object eq ntp
object-group service CSM_INLINE_svc_rule_81604379640.tcp tcp
 description Generated by CS-Manager from service of FirewallRule# 13
(FWSM-DMZ-1_v1/mandatory)
 port-object eq ldap
 port-object eq 3268
 port-object eq 3269
 port-object eq ldaps
object-group service CSM_INLINE_svc_rule_81604379680 tcp
 description Generated by CS-Manager from service of FirewallRule# 18
(FWSM-DMZ-1_v1/mandatory)
 port-object eq https
 port-object eq ssh
object-group service vCenter-to-ESX4 tcp
 description Communication from vCetner to ESX hosts
 port-object eq 5989
 port-object eq 8000
 port-object eq 902
 port-object eq 903
object-group service CSM_INLINE_svc_rule_81604380215.tcp tcp
 description Generated by CS-Manager from service of FirewallRule# 25
(FWSM-DMZ-1_v1/mandatory)
 port-object eq 8880
 port-object eq 8444
 port-object eq 5900
 port-object eq 5800
 port-object eq ssh
```

```
 port-object eq 3389
 port-object eq 1080
 port-object eq 8080
 port-object eq telnet
 port-object eq 69
 port-object eq www
 port-object eq https
 port-object eq 8443
 group-object vCenter-to-ESX4
access-list Ironport1-in remark Allow main and DNZ
access-list Ironport1-in extended permit udp object-group CSM_INLINE_src_rule_81604379520
any eq domain
access-list Ironport1-in extended permit tcp object-group CSM_INLINE_src_rule_81604379520
any object-group CSM_INLINE_svc_rule_81604379520.tcp
access-list Ironport1-in extended permit udp object-group CSM_INLINE_src_rule_81604379526
object-group RSA-enVision_1 eq syslog
access-list Ironport1-in extended permit udp object-group CSM_INLINE_src_rule_81604379528
object-group NTP-Servers eq ntp
access-list Ironport1-in extended permit udp object-group CSM_INLINE_src_rule_81604379532
object-group TACACS_1 object-group CSM_INLINE_svc_rule_81604379532
access-list From-DMZ extended permit udp 192.168.20.0 255.255.255.0 object-group
RSA-enVision eq syslog
access-list From-DMZ extended permit tcp 192.168.20.0 255.255.255.0 object-group TACACS eq
tacacs
access-list From-DMZ extended permit udp 192.168.20.0 255.255.255.0 object-group
NTP-Servers eq ntp
access-list Ironport2-in remark Allow main and DNZ
access-list Ironport2-in extended permit udp object-group CSM_INLINE_src_rule_81604379520
any eq domain
access-list Ironport2-in extended permit tcp object-group CSM_INLINE_src_rule_81604379520
any object-group CSM_INLINE_svc_rule_81604379520.tcp
access-list Ironport2-in extended permit udp object-group CSM_INLINE_src_rule_81604379526
object-group RSA-enVision_1 eq syslog
access-list Ironport2-in extended permit udp object-group CSM_INLINE_src_rule_81604379528
object-group NTP-Servers eq ntp
access-list Ironport2-in extended permit udp object-group CSM_INLINE_src_rule_81604379532
object-group TACACS_1 object-group CSM_INLINE_svc_rule_81604379532
access-list INSIDE extended permit tcp object-group Admin-Systems 192.168.20.0
255.255.252.0 object-group CSM_INLINE_svc_rule_81604379556
access-list INSIDE remark Allow services for Ironport apps
access-list INSIDE extended permit tcp object-group CSM_INLINE_src_rule_81604379580
192.168.23.64 255.255.255.224 object-group CSM_INLINE_svc_rule_81604379580
access-list INSIDE remark Allow traffic to DMZ
access-list INSIDE extended permit tcp object-group CSM_INLINE_src_rule_81604379592 host
192.168.20.30 object-group CSM_INLINE_svc_rule_81604379592
access-list INSIDE remark - Drop unauthorized traffic to DMZ
access-list INSIDE extended deny ip any 192.168.20.0 255.255.252.0 log
access-list INSIDE remark Allow outbound services for Internet
access-list INSIDE extended permit icmp object-group CSM_INLINE_src_rule_81604379602 any
object-group CSM_INLINE_svc_rule_81604379602.icmp
access-list INSIDE extended permit tcp object-group CSM_INLINE_src_rule_81604379602 any
object-group CSM_INLINE_svc_rule_81604379602.tcp
access-list INSIDE extended permit tcp object-group ActiveDirectory.cisco-irn.com any
object-group CSM_INLINE_svc_rule_81604379626.tcp
access-list INSIDE extended permit udp object-group ActiveDirectory.cisco-irn.com any
object-group CSM_INLINE_svc_rule_81604379626.udp
access-list INSIDE extended permit udp object-group NTP-Servers any eq ntp
access-list INSIDE remark Allow LDAP out LAB test
access-list INSIDE extended permit udp object-group PAME-DC-1 any eq 389 log
access-list INSIDE extended permit tcp object-group PAME-DC-1 any object-group
CSM_INLINE_svc_rule_81604379640.tcp log
access-list INSIDE remark Drop and Log all other traffic - END-OF-LINE
access-list INSIDE extended deny ip any any log
access-list OUTSIDE remark Allow traffic to DMZ e-commerce Server
```

```
access-list OUTSIDE extended permit tcp any host 192.168.20.30 object-group
CSM_INLINE_svc_rule_81604379680
access-list OUTSIDE remark Mail to Ironport
access-list OUTSIDE extended permit tcp any host 192.168.23.68 eq smtp
access-list OUTSIDE remark Remote Access SSL VPN
access-list OUTSIDE extended permit tcp any host 192.168.21.1 eq https
access-list OUTSIDE remark Allow traffic from edge routers - RIE-1
access-list OUTSIDE extended permit udp object-group CSM_INLINE_src_rule_81604379688
object-group RSA-enVision eq syslog
access-list OUTSIDE remark Allow traffic from edge routers - RIE-1
access-list OUTSIDE extended permit tcp object-group CSM_INLINE_src_rule_81604379690
object-group TACACS eq tacacs
access-list OUTSIDE remark Allow traffic from edge routers - RIE-1
access-list OUTSIDE extended permit udp object-group CSM_INLINE_src_rule_81604379692
object-group NTP-Servers eq ntp
access-list OUTSIDE remark Drop all other traffic
access-list OUTSIDE extended deny ip any any log
pager lines 24
logging host inside 192.168.42.124
mtu inside 1500
mtu outside 1500
mtu EmailSecurityAppliance 1500
mtu EmailSecurityMgrAppliance 1500
mtu DMZ 1500
failover
failover lan unit primary
failover lan interface failover Vlan91
failover link statelink Vlan92
failover interface ip failover 192.168.20.13 255.255.255.252 standby 192.168.20.14
failover interface ip statelink 192.168.20.33 255.255.255.252 standby 192.168.20.34
icmp permit any inside
icmp permit any outside
icmp permit any EmailSecurityAppliance
icmp permit any EmailSecurityMgrAppliance
asdm history enable
arp timeout 14400
access-group INSIDE in interface inside
access-group OUTSIDE in interface outside
access-group Ironport1-in in interface EmailSecurityAppliance
access-group Ironport2-in in interface EmailSecurityMgrAppliance
access-group From-DMZ in interface DMZ
route inside 192.168.0.0 255.255.0.0 192.168.21.1 1
route inside 10.10.0.0 255.255.0.0 192.168.21.1 1
route outside 10.10.0.0 255.255.255.0 192.168.22.10 1
route outside 0.0.0.0 0.0.0.0 192.168.22.10 1
route outside 10.10.3.0 255.255.255.0 192.168.22.11 1
route outside 10.10.4.0 255.255.255.0 192.168.22.12 1
route DMZ 192.168.20.0 255.255.255.248 192.168.20.28 1
timeout xlate 3:00:00
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00
timeout mgcp-pat 0:05:00 sip 0:30:00 sip_media 0:02:00
timeout sip-invite 0:03:00 sip-disconnect 0:02:00
timeout pptp-gre 0:02:00
timeout uauth 0:05:00 absolute
aaa-server RETAIL protocol tacacs+
aaa-server RETAIL host 192.168.42.131
 key ******
username csmadmin password <removed> encrypted privilege 15
username retail password <removed> encrypted privilege 15
username bmcgloth password <removed> encrypted privilege 15
aaa authentication ssh console RETAIL LOCAL
aaa authentication enable console RETAIL LOCAL
aaa authentication http console RETAIL LOCAL
```

```
aaa accounting ssh console RETAIL
aaa accounting enable console RETAIL
aaa accounting command privilege 15 RETAIL
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
http server enable
http 10.19.151.99 255.255.255.255 inside
http 192.168.41.101 255.255.255.255 inside
http 192.168.41.102 255.255.255.255 inside
http 192.168.42.122 255.255.255.255 inside
http 192.168.42.124 255.255.255.255 inside
http 192.168.42.133 255.255.255.255 inside
http 192.168.42.138 255.255.255.255 inside
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
no snmp-server enable
service reset no-connection
no service reset connection marked-for-deletion
telnet timeout 5
ssh 10.19.151.99 255.255.255.255 inside
ssh 192.168.41.101 255.255.255.255 inside
ssh 192.168.41.102 255.255.255.255 inside
ssh 192.168.42.122 255.255.255.255 inside
ssh 192.168.42.124 255.255.255.255 inside
ssh 192.168.42.133 255.255.255.255 inside
ssh 192.168.42.138 255.255.255.255 inside
ssh timeout 15
ssh version 2
console timeout 15
!
class-map inspection_default
 match default-inspection-traffic
!
!
policy-map global_policy
 class inspection_default
  inspect dns maximum-length 512
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect netbios
  inspect rsh
  inspect skinny
  inspect smtp
  inspect sqlnet
  inspect sunrpc
  inspect tftp
  inspect sip
  inspect xdmcp
!
service-policy global_policy global
prompt hostname context
Cryptochecksum:0ce5577c4093206d7ce2fc0f65139d9d
: end
FWSM-RIE-3#
```

MDS-DC-1-running

```
!Command: show running-config
```

```
!Time: Sun Apr 24 16:47:39 2011

version 5.0(1a)
system default switchport mode F
feature npiv
feature privilege
feature tacacs+
role name default-role
  description This is a system defined role and applies to all users.
  rule 5 permit show feature environment
  rule 4 permit show feature hardware
  rule 3 permit show feature module
  rule 2 permit show feature snmp
  rule 1 permit show feature system
username admin password 5 <removed> role network-admin
username retail password 5 <removed>   role network-admin
username emc-ncm password 5 <removed>   role network-admin
username bart password 5 <removed>   role network-admin
enable secret 5 <removed>

banner motd #WARNING:    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail
****                    **** AUTHORIZED USERS ONLY! ****ANY USE OF THIS COMPUTER NETWORK
SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENTTO MONITORING OF SUCH USE AND TO SUCH
ADDITIONAL MONITORING AS MAY BE NECESSARYTO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM
ADMINISTRATOR OR OTHERREPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY
TIME WITHOUTFURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY
OTHERCRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAWENFORCEMENT
OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.UNAUTHORIZED ACCESS IS A VIOLATION
OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.#

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host MDS-DC-1 192.168.41.51
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
aaa group server radius radius
snmp-server user bart network-admin auth md5 <removed>  priv <removed>  localizedkey
snmp-server user admin network-admin auth md5 <removed>  priv <removed>  localizedkey
snmp-server user retail network-admin auth md5 <removed>  priv <removed>  localizedkey
snmp-server user emc-ncm network-admin auth md5 <removed>  priv <removed>  localizedkey
snmp-server host 192.168.41.101 traps version 2c public  udp-port 2162
snmp-server host 192.168.42.121 traps version 3 auth public
no snmp-server enable traps entity entity_mib_change
no snmp-server enable traps entity entity_module_status_change
no snmp-server enable traps entity entity_power_status_change
no snmp-server enable traps entity entity_module_inserted
no snmp-server enable traps entity entity_module_removed
no snmp-server enable traps entity entity_unrecognised_module
no snmp-server enable traps entity entity_fan_status_change
no snmp-server enable traps entity entity_power_out_change
no snmp-server enable traps rf redundancy_framework
ntp server 192.168.62.161
ntp server 192.168.62.162
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable
ip access-list 23 permit ip 127.0.0.1 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.41.101 0.0.0.0 192.168.41.51 0.0.0.0
```

```
ip access-list 23 permit ip 192.168.41.102 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.111 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.121 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.122 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.131 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.133 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.138 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 10.19.151.99 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 deny ip any any log-deny
vsan database
  vsan 2 name "Promise-2"
  vsan 10 name "UIM_VSAN_A_10"
fcdomain fcid database
  vsan 1 wwn 50:00:40:20:03:fc:44:6a fcid 0x020000 dynamic
  vsan 1 wwn 50:00:40:21:03:fc:44:6a fcid 0x020001 dynamic
  vsan 1 wwn 21:00:00:e0:8b:19:70:09 fcid 0x020100 area dynamic
  vsan 1 wwn 20:89:00:05:30:00:99:de fcid 0x020200 area dynamic
  vsan 1 wwn 20:8a:00:05:30:00:99:de fcid 0x020300 area dynamic
  vsan 1 wwn 23:00:00:05:30:00:99:e0 fcid 0x020002 dynamic
  vsan 1 wwn 23:01:00:05:30:00:99:e0 fcid 0x020003 dynamic
  vsan 1 wwn 23:02:00:05:30:00:99:e0 fcid 0x020004 dynamic
  vsan 1 wwn 23:03:00:05:30:00:99:e0 fcid 0x020005 dynamic
  vsan 1 wwn 23:04:00:05:30:00:99:e0 fcid 0x020006 dynamic
  vsan 1 wwn 23:05:00:05:30:00:99:e0 fcid 0x020007 dynamic
  vsan 1 wwn 23:06:00:05:30:00:99:e0 fcid 0x020008 dynamic
  vsan 1 wwn 23:07:00:05:30:00:99:e0 fcid 0x020009 dynamic
  vsan 1 wwn 23:08:00:05:30:00:99:e0 fcid 0x02000a dynamic
  vsan 1 wwn 22:02:00:05:30:00:99:e0 fcid 0x02000b dynamic
  vsan 1 wwn 22:04:00:05:30:00:99:e0 fcid 0x02000c dynamic
  vsan 1 wwn 22:06:00:05:30:00:99:e0 fcid 0x02000d dynamic
  vsan 1 wwn 22:08:00:05:30:00:99:e0 fcid 0x02000e dynamic
  vsan 1 wwn 22:0a:00:05:30:00:99:e0 fcid 0x02000f dynamic
  vsan 1 wwn 22:0c:00:05:30:00:99:e0 fcid 0x020010 dynamic
  vsan 1 wwn 10:00:00:00:c9:60:df:80 fcid 0x020011 dynamic
  vsan 1 wwn 23:12:00:05:30:00:99:e0 fcid 0x020012 dynamic
  vsan 1 wwn 23:13:00:05:30:00:99:e0 fcid 0x020013 dynamic
  vsan 1 wwn 23:14:00:05:30:00:99:e0 fcid 0x020014 dynamic
  vsan 1 wwn 23:15:00:05:30:00:99:e0 fcid 0x020015 dynamic
  vsan 1 wwn 23:17:00:05:30:00:99:e0 fcid 0x020016 dynamic
  vsan 1 wwn 23:16:00:05:30:00:99:e0 fcid 0x020017 dynamic
  vsan 1 wwn 23:18:00:05:30:00:99:e0 fcid 0x020018 dynamic
  vsan 1 wwn 23:19:00:05:30:00:99:e0 fcid 0x020019 dynamic
  vsan 1 wwn 11:00:00:00:00:00:00:01 fcid 0x02001a dynamic
  vsan 1 wwn 20:00:00:00:00:00:00:01 fcid 0x02001b dynamic
  vsan 1 wwn 10:00:00:00:c9:77:94:21 fcid 0x02001c dynamic
  vsan 1 wwn 10:00:00:00:c9:77:92:e9 fcid 0x02001d dynamic
  vsan 1 wwn 10:00:00:00:c9:77:dd:bc fcid 0x02001e dynamic
  vsan 1 wwn 20:41:00:05:9b:73:10:c0 fcid 0x02001f dynamic
  vsan 1 wwn 20:41:00:05:9b:73:17:40 fcid 0x020020 dynamic
  vsan 1 wwn 10:00:00:00:c9:77:dc:c3 fcid 0x020021 dynamic
  vsan 1 wwn 10:00:00:00:c9:75:68:c3 fcid 0x020022 dynamic
  vsan 1 wwn 20:4c:00:0d:ec:2d:94:c0 fcid 0x020400 area dynamic
  vsan 1 wwn 20:64:00:0d:ec:2d:94:c0 fcid 0x020500 area dynamic
  vsan 1 wwn 10:00:00:00:c9:77:db:c3 fcid 0x020023 dynamic
  vsan 2 wwn 20:4c:00:0d:ec:2d:94:c0 fcid 0xef0000 area dynamic
  vsan 2 wwn 10:00:00:00:c9:75:68:c3 fcid 0xef0100 dynamic
  vsan 2 wwn 10:00:00:00:c9:77:dc:c3 fcid 0xef0101 dynamic
  vsan 2 wwn 10:00:00:00:c9:77:dd:bc fcid 0xef0102 dynamic
  vsan 2 wwn 10:00:00:00:c9:77:db:c3 fcid 0xef0103 dynamic
  vsan 2 wwn 10:00:00:00:c9:77:92:e9 fcid 0xef0104 dynamic
  vsan 2 wwn 50:06:01:60:46:e0:33:aa fcid 0xef01ef dynamic
  vsan 2 wwn 20:41:00:05:9b:73:10:c0 fcid 0xef0105 dynamic
  vsan 1 wwn 50:06:01:68:46:e0:33:aa fcid 0x0200ef dynamic
  vsan 1 wwn 50:06:01:60:46:e0:33:aa fcid 0x0206ef dynamic
```

```
  vsan 2 wwn 20:41:00:05:9b:73:17:40 fcid 0xef0106 dynamic
  vsan 2 wwn 10:00:00:00:c9:77:94:21 fcid 0xef0107 dynamic
  vsan 2 wwn 20:64:00:0d:ec:2d:94:c0 fcid 0xef0200 area dynamic
  vsan 2 wwn 50:06:01:68:46:e0:33:aa fcid 0xef03ef dynamic
  vsan 10 wwn 50:06:01:60:46:e0:33:aa fcid 0xd800ef dynamic
  vsan 10 wwn 20:41:00:05:9b:73:10:c0 fcid 0xd80000 dynamic
  vsan 10 wwn 20:41:00:05:9b:73:17:40 fcid 0xd80001 dynamic
  vsan 10 wwn 10:00:00:00:c9:77:94:21 fcid 0xd80002 dynamic
  vsan 10 wwn 50:06:01:61:46:e0:33:aa fcid 0xd801ef dynamic
  vsan 10 wwn 50:06:01:69:46:e0:33:aa fcid 0xd802ef dynamic
  vsan 10 wwn 20:42:00:05:9b:73:10:c0 fcid 0xd80003 dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:0f fcid 0xd80004 dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:18 fcid 0xd80005 dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:12 fcid 0xd80006 dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:15 fcid 0xd80007 dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:19 fcid 0xd80008 dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:10 fcid 0xd80009 dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:1c fcid 0xd8000a dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:25 fcid 0xd8000b dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:22 fcid 0xd8000c dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:1f fcid 0xd8000d dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:2b fcid 0xd8000e dynamic
  vsan 10 wwn 20:00:00:25:b5:01:11:28 fcid 0xd8000f dynamic
vsan database
  vsan 2 interface fc2/1
  vsan 2 interface fc2/2
  vsan 2 interface fc2/3
  vsan 2 interface fc2/4
  vsan 2 interface fc2/5
  vsan 2 interface fc2/6
  vsan 2 interface fc2/7
  vsan 2 interface fc2/8
  vsan 2 interface fc2/9
  vsan 2 interface fc2/10
  vsan 2 interface fc2/11
  vsan 2 interface fc2/12
  vsan 2 interface fc2/13
  vsan 2 interface fc2/14
  vsan 2 interface fc2/15
  vsan 2 interface fc2/16
  vsan 2 interface fc2/17
  vsan 2 interface fc2/18
  vsan 2 interface fc2/19
  vsan 2 interface fc2/20
  vsan 2 interface fc2/21
  vsan 2 interface fc2/22
  vsan 2 interface fc2/23
  vsan 10 interface fc2/24
  vsan 10 interface fc2/25
  vsan 10 interface fc2/26
  vsan 2 interface fc2/27
  vsan 2 interface fc2/28
  vsan 2 interface fc2/29
  vsan 2 interface fc2/30
  vsan 2 interface fc2/31
  vsan 2 interface fc2/32
  vsan 2 interface fc2/33
  vsan 2 interface fc2/34
  vsan 2 interface fc2/35
  vsan 2 interface fc2/36
  vsan 2 interface fc2/37
  vsan 2 interface fc2/38
  vsan 2 interface fc2/39
  vsan 2 interface fc2/40
```

```
  vsan 2 interface fc2/41
  vsan 2 interface fc2/42
  vsan 2 interface fc2/43
  vsan 2 interface fc2/44
  vsan 2 interface fc2/45
  vsan 2 interface fc2/46
  vsan 2 interface fc2/47
  vsan 10 interface fc2/48
  vsan 2 interface fc4/1
  vsan 2 interface fc4/2
  vsan 2 interface fc4/3
  vsan 2 interface fc4/4
  vsan 2 interface fc4/5
  vsan 2 interface fc4/6
  vsan 2 interface fc4/7
  vsan 2 interface fc4/8
  vsan 2 interface fc4/9
  vsan 2 interface fc4/10
  vsan 2 interface fc4/11
  vsan 2 interface fc4/12
  vsan 2 interface fc4/13
  vsan 2 interface fc4/14
  vsan 2 interface fc4/15
  vsan 2 interface fc4/16
  vsan 2 interface fc4/17
  vsan 2 interface fc4/18
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
ip default-gateway 192.168.41.1
switchname MDS-DC-1
line vty
  exec-timeout 15
line console
  exec-timeout 15
boot kickstart bootflash:/m9500-sf2ek9-kickstart-mzg.5.0.1a.bin.S4 sup-1
boot system bootflash:/m9500-sf2ek9-mzg.5.0.1a.bin.S4 sup-1
boot kickstart bootflash:/m9500-sf2ek9-kickstart-mzg.5.0.1a.bin.S4 sup-2
boot system bootflash:/m9500-sf2ek9-mzg.5.0.1a.bin.S4 sup-2
interface fc2/12
  switchport speed 4000
  switchport rate-mode shared
interface fc2/11
  switchport rate-mode dedicated
interface fc2/36
  switchport rate-mode dedicated
interface fc2/1
interface fc2/2
interface fc2/3
interface fc2/4
interface fc2/5
interface fc2/6
interface fc2/7
interface fc2/8
interface fc2/9
interface fc2/10
interface fc2/12
  switchport mode FL
interface fc2/13
interface fc2/14
interface fc2/15
interface fc2/16
interface fc2/17
interface fc2/18
interface fc2/19
```

```
interface fc2/20
interface fc2/21
interface fc2/22
interface fc2/23
interface fc2/24
interface fc2/25
interface fc2/26
interface fc2/27
interface fc2/28
interface fc2/29
interface fc2/30
interface fc2/31
interface fc2/32
interface fc2/33
interface fc2/34
interface fc2/35
interface fc2/37
interface fc2/38
interface fc2/39
interface fc2/40
interface fc2/41
interface fc2/42
interface fc2/43
interface fc2/44
interface fc2/45
interface fc2/46
interface fc2/47
interface fc2/48
interface fc2/11
  switchport mode auto
interface fc2/36
  switchport mode auto
interface fc4/1
interface fc4/2
interface fc4/3
interface fc4/4
interface fc4/5
interface fc4/6
interface fc4/7
interface fc4/8
interface fc4/9
interface fc4/10
interface fc4/11
interface fc4/12
interface fc4/13
interface fc4/14
interface fc4/15
interface fc4/16
interface fc4/17
interface fc4/18
logging server 192.168.42.121
logging server 192.168.42.124 6
system default zone default-zone permit
system default zone distribute full
zone default-zone permit vsan 2
zone default-zone permit vsan 10
zoneset distribute full vsan 1-2
zoneset distribute full vsan 10
!Full Zone Database Section for vsan 2
zone name global_zone vsan 2
    member pwwn 26:00:00:01:55:35:7e:44
    member pwwn 26:02:00:01:55:35:7e:44
    member pwwn 10:00:00:00:c9:75:68:c3
    member pwwn 10:00:00:00:c9:77:92:e9
```

```
    member pwwn 10:00:00:00:c9:77:db:c3
    member pwwn 10:00:00:00:c9:77:dc:c3
    member pwwn 10:00:00:00:c9:77:dd:bc
    member pwwn 21:00:00:1b:32:00:33:0c
    member pwwn 21:00:00:1b:32:00:3a:0c
    member pwwn 21:00:00:1b:32:00:5d:0d
    member pwwn 21:00:00:1b:32:00:5e:0d
    member pwwn 21:00:00:1b:32:00:70:0d
    member pwwn 21:00:00:1b:32:00:ab:0d
    member pwwn 21:00:00:1b:32:80:0b:10
    member pwwn 21:00:00:1b:32:80:52:10
    member pwwn 21:00:00:1b:32:80:da:0f
    member pwwn 21:00:00:1b:32:80:f1:0f

zoneset name promise-2_zs vsan 2
    member global_zone

zoneset activate name promise-2_zs vsan 2
!Full Zone Database Section for vsan 10
zone name UIM_20000025B5011112_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:12
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011110_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:10
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011112_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:12
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011110_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:10
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011112_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:12
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011110_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:10
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011112_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:12
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011110_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:10
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011115_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:15
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011116_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:16
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011115_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:15
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011116_5006016146E033AA vsan 10
```

```
    member pwwn 20:00:00:25:b5:01:11:16
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011115_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:15
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011116_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:16
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011115_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:15
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011116_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:16
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111A_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1a
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011119_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:19
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111A_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1a
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011119_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:19
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111A_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1a
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011119_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:19
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111A_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1a
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011119_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:19
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111D_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1d
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111C_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1c
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111D_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1d
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111C_5006016846E033AA vsan 10
```

```
    member pwwn 20:00:00:25:b5:01:11:1c
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111D_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1d
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111C_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1c
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111D_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1d
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111C_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1c
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111F_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1f
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011120_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:20
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111F_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1f
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011120_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:20
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111F_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1f
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011120_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:20
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111F_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:1f
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011120_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:20
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011123_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:23
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011122_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:22
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011123_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:23
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011122_5006016146E033AA vsan 10
```

```
    member pwwn 20:00:00:25:b5:01:11:22
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011123_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:23
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011122_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:22
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011123_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:23
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011122_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:22
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011125_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:25
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011126_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:26
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011125_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:25
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011126_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:26
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011125_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:25
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011126_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:26
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011125_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:25
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011126_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:26
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011129_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:29
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011128_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:28
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011129_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:29
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011128_5006016046E033AA vsan 10
```

```
    member pwwn 20:00:00:25:b5:01:11:28
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011129_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:29
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011128_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:28
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011129_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:29
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011128_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:28
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501112B_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:2b
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501112C_5006016946E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:2c
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501112B_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:2b
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501112C_5006016846E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:2c
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501112B_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:2b
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501112C_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:2c
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501112B_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:2b
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501112C_5006016146E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:2c
    member pwwn 50:06:01:61:46:e0:33:aa

zoneset name UIM_ZONESET_A vsan 10
    member UIM_20000025B5011112_5006016046E033AA
    member UIM_20000025B5011110_5006016046E033AA
    member UIM_20000025B5011112_5006016946E033AA
    member UIM_20000025B5011110_5006016946E033AA
    member UIM_20000025B5011112_5006016846E033AA
    member UIM_20000025B5011110_5006016846E033AA
    member UIM_20000025B5011112_5006016146E033AA
    member UIM_20000025B5011110_5006016146E033AA
    member UIM_20000025B5011115_5006016846E033AA
    member UIM_20000025B5011116_5006016846E033AA
    member UIM_20000025B5011115_5006016146E033AA
    member UIM_20000025B5011116_5006016146E033AA
```

```
    member UIM_20000025B5011115_5006016946E033AA
    member UIM_20000025B5011116_5006016946E033AA
    member UIM_20000025B5011115_5006016046E033AA
    member UIM_20000025B5011116_5006016046E033AA
    member UIM_20000025B501111A_5006016946E033AA
    member UIM_20000025B5011119_5006016946E033AA
    member UIM_20000025B501111A_5006016146E033AA
    member UIM_20000025B5011119_5006016146E033AA
    member UIM_20000025B501111A_5006016846E033AA
    member UIM_20000025B5011119_5006016846E033AA
    member UIM_20000025B501111A_5006016046E033AA
    member UIM_20000025B5011119_5006016046E033AA
    member UIM_20000025B501111D_5006016146E033AA
    member UIM_20000025B501111C_5006016146E033AA
    member UIM_20000025B501111D_5006016846E033AA
    member UIM_20000025B501111C_5006016846E033AA
    member UIM_20000025B501111D_5006016946E033AA
    member UIM_20000025B501111C_5006016946E033AA
    member UIM_20000025B501111D_5006016046E033AA
    member UIM_20000025B501111C_5006016046E033AA
    member UIM_20000025B501111F_5006016146E033AA
    member UIM_20000025B5011120_5006016146E033AA
    member UIM_20000025B501111F_5006016946E033AA
    member UIM_20000025B5011120_5006016946E033AA
    member UIM_20000025B501111F_5006016846E033AA
    member UIM_20000025B5011120_5006016846E033AA
    member UIM_20000025B501111F_5006016046E033AA
    member UIM_20000025B5011120_5006016046E033AA
    member UIM_20000025B5011123_5006016946E033AA
    member UIM_20000025B5011122_5006016946E033AA
    member UIM_20000025B5011123_5006016146E033AA
    member UIM_20000025B5011122_5006016146E033AA
    member UIM_20000025B5011123_5006016846E033AA
    member UIM_20000025B5011122_5006016846E033AA
    member UIM_20000025B5011123_5006016046E033AA
    member UIM_20000025B5011122_5006016046E033AA
    member UIM_20000025B5011125_5006016146E033AA
    member UIM_20000025B5011126_5006016146E033AA
    member UIM_20000025B5011125_5006016946E033AA
    member UIM_20000025B5011126_5006016946E033AA
    member UIM_20000025B5011125_5006016846E033AA
    member UIM_20000025B5011126_5006016846E033AA
    member UIM_20000025B5011125_5006016046E033AA
    member UIM_20000025B5011126_5006016046E033AA
    member UIM_20000025B5011129_5006016846E033AA
    member UIM_20000025B5011128_5006016846E033AA
    member UIM_20000025B5011129_5006016046E033AA
    member UIM_20000025B5011128_5006016046E033AA
    member UIM_20000025B5011129_5006016146E033AA
    member UIM_20000025B5011128_5006016146E033AA
    member UIM_20000025B5011129_5006016946E033AA
    member UIM_20000025B5011128_5006016946E033AA
    member UIM_20000025B501112B_5006016946E033AA
    member UIM_20000025B501112C_5006016946E033AA
    member UIM_20000025B501112B_5006016846E033AA
    member UIM_20000025B501112C_5006016846E033AA
    member UIM_20000025B501112B_5006016046E033AA
    member UIM_20000025B501112C_5006016046E033AA
    member UIM_20000025B501112B_5006016146E033AA
    member UIM_20000025B501112C_5006016146E033AA

zoneset activate name UIM_ZONESET_A vsan 10

interface fc2/1
```

```
interface fc2/2

interface fc2/3

interface fc2/4

interface fc2/5

interface fc2/6

interface fc2/7

interface fc2/8

interface fc2/9

interface fc2/10

interface fc2/11
  no shutdown

interface fc2/12
  no shutdown

interface fc2/13

interface fc2/14

interface fc2/15

interface fc2/16

interface fc2/17

interface fc2/18

interface fc2/19

interface fc2/20

interface fc2/21

interface fc2/22

interface fc2/23

interface fc2/24
  no shutdown

interface fc2/25
  no shutdown

interface fc2/26
  no shutdown

interface fc2/27

interface fc2/28

interface fc2/29

interface fc2/30
```

```
interface fc2/31

interface fc2/32

interface fc2/33

interface fc2/34

interface fc2/35

interface fc2/36
  no shutdown

interface fc2/37
  shutdown

interface fc2/38

interface fc2/39

interface fc2/40

interface fc2/41

interface fc2/42

interface fc2/43

interface fc2/44

interface fc2/45

interface fc2/46

interface fc2/47

interface fc2/48
  no shutdown

interface fc4/1

interface fc4/2

interface fc4/3

interface fc4/4

interface fc4/5

interface fc4/6

interface fc4/7

interface fc4/8

interface fc4/9

interface fc4/10

interface fc4/11

interface fc4/12

interface fc4/13
```

```
interface fc4/14

interface fc4/15

interface fc4/16

interface fc4/17

interface fc4/18

interface GigabitEthernet4/1

interface GigabitEthernet4/2

interface GigabitEthernet4/3

interface GigabitEthernet4/4

interface mgmt0
  ip address 192.168.41.51 255.255.255.0
  ip access-group 23 in
no system default switchport shutdown
```

MDS-DC-2-running

```
!Command: show running-config
!Time: Sun Apr 24 16:48:05 2011

version 5.0(4)
system default switchport mode F
feature npiv
feature privilege
feature tacacs+
role name default-role
  description This is a system defined role and applies to all users.
  rule 5 permit show feature environment
  rule 4 permit show feature hardware
  rule 3 permit show feature module
  rule 2 permit show feature snmp
  rule 1 permit show feature system
username admin password 5 <removed>   role network-admin
username retail password 5 <removed>   role network-admin
username emc-ncm password 5 <removed>   role network-admin
username bart password 5 <removed>   role network-admin
enable secret 5 <removed>

banner motd #
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
```

```
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
#

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host MDS-DC-2 192.168.41.52
ip host MDS-DC-2 192.168.41.52
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
aaa group server radius radius
snmp-server user bart network-admin auth md5 <removed>  priv <removed> localizedkey
snmp-server user admin network-admin auth md5 <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server host 192.168.41.101 traps version 2c public  udp-port 2162
snmp-server host 192.168.42.121 traps version 3 auth public
rmon event 1 log trap public description FATAL(1) owner PMON@FATAL
rmon event 2 log trap public description CRITICAL(2) owner PMON@CRITICAL
rmon event 3 log trap public description ERROR(3) owner PMON@ERROR
rmon event 4 log trap public description WARNING(4) owner PMON@WARNING
rmon event 5 log trap public description INFORMATION(5) owner PMON@INFO
ntp server 192.168.62.161
ntp server 192.168.62.162
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable
ip access-list 23 permit ip 127.0.0.1 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.41.101 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.41.102 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.111 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.121 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.122 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.131 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.133 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.138 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 10.19.151.99 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 deny ip any any log-deny
vsan database
  vsan 2 name "Promise-2"
  vsan 11 name "UIM_VSAN_B_11"
fcdomain fcid database
  vsan 1 wwn 21:01:00:e0:8b:39:35:58 fcid 0x010000 area dynamic
  vsan 1 wwn 22:03:00:0d:ec:20:2b:40 fcid 0x010100 area dynamic
  vsan 11 wwn 20:41:00:05:9b:73:17:40 fcid 0xd40000 dynamic
  vsan 11 wwn 20:42:00:05:9b:73:17:40 fcid 0xd40001 dynamic
  vsan 1 wwn 21:00:00:e0:8b:19:35:58 fcid 0x010200 area dynamic
  vsan 11 wwn 50:06:01:69:46:e0:33:aa fcid 0xd400ef dynamic
  vsan 11 wwn 50:06:01:68:46:e0:33:aa fcid 0xd401ef dynamic
  vsan 1 wwn 26:01:00:01:55:35:7e:44 fcid 0x010300 dynamic
  vsan 2 wwn 26:01:00:01:55:35:7e:44 fcid 0x890000 dynamic
  vsan 2 wwn 20:64:00:0d:ec:38:76:00 fcid 0x890100 area dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:10 fcid 0xd40002 dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:19 fcid 0xd40003 dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:13 fcid 0xd40004 dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:16 fcid 0xd40005 dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:1a fcid 0xd40006 dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:12 fcid 0xd40007 dynamic
```

```
  vsan 11 wwn 20:00:00:25:b5:01:11:1d fcid 0xd40008 dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:26 fcid 0xd40009 dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:23 fcid 0xd4000a dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:20 fcid 0xd4000b dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:2c fcid 0xd4000c dynamic
  vsan 11 wwn 20:00:00:25:b5:01:11:29 fcid 0xd4000d dynamic
vsan database
  vsan 11 interface fc2/24
  vsan 11 interface fc2/25
  vsan 11 interface fc2/26
  vsan 11 interface fc2/48
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
ip default-gateway 192.168.41.1
switchname MDS-DC-2
line vty
  session-limit 32
  exec-timeout 15
line console
  exec-timeout 15
boot kickstart bootflash:/m9500-sf2ek9-kickstart-mz.5.0.4.bin sup-1
boot system bootflash:/m9500-sf2ek9-mz.5.0.4.bin sup-1
boot kickstart bootflash:/m9500-sf2ek9-kickstart-mz.5.0.4.bin sup-2
boot system bootflash:/m9500-sf2ek9-mz.5.0.4.bin sup-2
interface fc2/1
interface fc2/2
interface fc2/3
interface fc2/4
interface fc2/5
interface fc2/6
interface fc2/7
interface fc2/8
interface fc2/9
interface fc2/10
interface fc2/11
interface fc2/12
interface fc2/13
interface fc2/14
interface fc2/15
interface fc2/16
interface fc2/17
interface fc2/18
interface fc2/19
interface fc2/20
interface fc2/21
interface fc2/22
interface fc2/23
interface fc2/24
interface fc2/25
interface fc2/26
interface fc2/27
interface fc2/28
interface fc2/29
interface fc2/30
interface fc2/31
interface fc2/32
interface fc2/33
interface fc2/34
interface fc2/35
interface fc2/36
interface fc2/37
interface fc2/38
interface fc2/39
interface fc2/40
```

```
interface fc2/41
interface fc2/42
interface fc2/43
interface fc2/44
interface fc2/45
interface fc2/46
interface fc2/47
interface fc2/48
logging server 192.168.42.121
logging server 192.168.42.124 6
system default zone default-zone permit
system default zone distribute full
zone default-zone permit vsan 2
zone default-zone permit vsan 11
zoneset distribute full vsan 1-2
zoneset distribute full vsan 11
!Full Zone Database Section for vsan 2
zone name global_zone vsan 2
zoneset name promise-2_zs vsan 2
    member global_zone

!Full Zone Database Section for vsan 11
zone name UIM_20000025B5011110_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:10
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011112_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:12
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011110_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:10
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011112_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:12
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011110_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:10
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011112_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:12
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011110_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:10
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011112_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:12
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011116_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:16
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011115_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:15
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011116_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:16
```

```
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011115_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:15
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011116_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:16
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011115_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:15
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011116_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:16
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011115_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:15
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011119_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:19
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111A_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1a
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011119_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:19
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111A_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1a
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011119_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:19
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111A_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1a
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011119_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:19
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111A_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1a
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111D_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1d
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111C_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1c
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111D_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1d
```

```
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111C_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1c
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111D_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1d
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111C_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1c
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111D_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1d
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111C_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1c
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011120_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:20
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111F_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1f
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011120_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:20
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111F_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1f
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011120_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:20
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111F_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1f
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011120_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:20
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111F_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:1f
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011122_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:22
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011123_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:23
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011122_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:22
```

```
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011123_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:23
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011122_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:22
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011123_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:23
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011122_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:22
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011123_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:23
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011126_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:26
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011125_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:25
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011126_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:26
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011125_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:25
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011126_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:26
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011125_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:25
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011126_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:26
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011125_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:25
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011128_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:28
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011129_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:29
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011128_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:28
```

```
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011129_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:29
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011128_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:28
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011129_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:29
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011128_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:28
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011129_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:29
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501112C_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:2c
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501112B_5006016046E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:2b
    member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501112C_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:2c
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501112B_5006016946E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:2b
    member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501112C_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:2c
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501112B_5006016846E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:2b
    member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501112C_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:2c
    member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501112B_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:2b
    member pwwn 50:06:01:61:46:e0:33:aa

zoneset name UIM_ZONESET_B vsan 11
    member UIM_20000025B5011110_5006016946E033AA
    member UIM_20000025B5011112_5006016946E033AA
    member UIM_20000025B5011110_5006016046E033AA
    member UIM_20000025B5011112_5006016046E033AA
    member UIM_20000025B5011110_5006016146E033AA
    member UIM_20000025B5011112_5006016146E033AA
    member UIM_20000025B5011110_5006016846E033AA
    member UIM_20000025B5011112_5006016846E033AA
    member UIM_20000025B5011116_5006016046E033AA
```

```
member UIM_20000025B5011115_5006016046E033AA
member UIM_20000025B5011116_5006016946E033AA
member UIM_20000025B5011115_5006016946E033AA
member UIM_20000025B5011116_5006016846E033AA
member UIM_20000025B5011115_5006016846E033AA
member UIM_20000025B5011116_5006016146E033AA
member UIM_20000025B5011115_5006016146E033AA
member UIM_20000025B5011119_5006016146E033AA
member UIM_20000025B501111A_5006016146E033AA
member UIM_20000025B5011119_5006016046E033AA
member UIM_20000025B501111A_5006016046E033AA
member UIM_20000025B5011119_5006016946E033AA
member UIM_20000025B501111A_5006016946E033AA
member UIM_20000025B5011119_5006016846E033AA
member UIM_20000025B501111A_5006016846E033AA
member UIM_20000025B501111D_5006016146E033AA
member UIM_20000025B501111C_5006016146E033AA
member UIM_20000025B501111D_5006016846E033AA
member UIM_20000025B501111C_5006016846E033AA
member UIM_20000025B501111D_5006016946E033AA
member UIM_20000025B501111C_5006016946E033AA
member UIM_20000025B501111D_5006016046E033AA
member UIM_20000025B501111C_5006016046E033AA
member UIM_20000025B5011120_5006016846E033AA
member UIM_20000025B501111F_5006016846E033AA
member UIM_20000025B5011120_5006016146E033AA
member UIM_20000025B501111F_5006016146E033AA
member UIM_20000025B5011120_5006016046E033AA
member UIM_20000025B501111F_5006016046E033AA
member UIM_20000025B5011120_5006016946E033AA
member UIM_20000025B501111F_5006016946E033AA
member UIM_20000025B5011122_5006016946E033AA
member UIM_20000025B5011123_5006016946E033AA
member UIM_20000025B5011122_5006016146E033AA
member UIM_20000025B5011123_5006016146E033AA
member UIM_20000025B5011122_5006016046E033AA
member UIM_20000025B5011123_5006016046E033AA
member UIM_20000025B5011122_5006016846E033AA
member UIM_20000025B5011123_5006016846E033AA
member UIM_20000025B5011126_5006016846E033AA
member UIM_20000025B5011125_5006016846E033AA
member UIM_20000025B5011126_5006016946E033AA
member UIM_20000025B5011125_5006016946E033AA
member UIM_20000025B5011126_5006016146E033AA
member UIM_20000025B5011125_5006016146E033AA
member UIM_20000025B5011126_5006016046E033AA
member UIM_20000025B5011125_5006016046E033AA
member UIM_20000025B5011128_5006016946E033AA
member UIM_20000025B5011129_5006016946E033AA
member UIM_20000025B5011128_5006016046E033AA
member UIM_20000025B5011129_5006016046E033AA
member UIM_20000025B5011128_5006016146E033AA
member UIM_20000025B5011129_5006016146E033AA
member UIM_20000025B5011128_5006016846E033AA
member UIM_20000025B5011129_5006016846E033AA
member UIM_20000025B501112C_5006016046E033AA
member UIM_20000025B501112B_5006016046E033AA
member UIM_20000025B501112C_5006016946E033AA
member UIM_20000025B501112B_5006016946E033AA
member UIM_20000025B501112C_5006016846E033AA
member UIM_20000025B501112B_5006016846E033AA
member UIM_20000025B501112C_5006016146E033AA
member UIM_20000025B501112B_5006016146E033AA
```

```
zoneset activate name UIM_ZONESET_B vsan 11

interface fc2/1

interface fc2/2

interface fc2/3

interface fc2/4

interface fc2/5

interface fc2/6

interface fc2/7

interface fc2/8

interface fc2/9

interface fc2/10

interface fc2/11

interface fc2/12

interface fc2/13

interface fc2/14

interface fc2/15

interface fc2/16

interface fc2/17

interface fc2/18

interface fc2/19

interface fc2/20

interface fc2/21

interface fc2/22

interface fc2/23

interface fc2/24

interface fc2/25

interface fc2/26

interface fc2/27

interface fc2/28

interface fc2/29

interface fc2/30

interface fc2/31
```

```
interface fc2/32

interface fc2/33

interface fc2/34

interface fc2/35

interface fc2/36

interface fc2/37

interface fc2/38

interface fc2/39

interface fc2/40

interface fc2/41

interface fc2/42

interface fc2/43

interface fc2/44

interface fc2/45

interface fc2/46

interface fc2/47

interface fc2/48

interface mgmt0
  ip address 192.168.41.52 255.255.255.0
  ip access-group 23 in
no system default switchport shutdown
```

N1kv-1-running

```
!Command: show running-config
!Time: Sat Apr 30 03:02:54 2011

version 4.2(1)SV1(4)
no feature telnet
feature tacacs+

username admin password 5 <removed>   role network-admin
username retail password 5 <removed>   role network-admin

banner motd #
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
```

```
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
#

ssh key rsa 2048
ip domain-lookup
ip domain-lookup
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf management
    source-interface mgmt0
aaa group server tacacs+ tacacs
hostname N1kv-1
ip access-list 23
  10 permit ip 192.168.42.0/24 any
  20 permit ip any any
  30 deny ip any any
ip access-list 88
  10 permit ip 192.168.42.0/24 any
  20 permit ip any any
  30 deny ip any any
vem 3
  host vmware id 414e3537-3441-3255-5838-34353034544b
vem 4
  host vmware id 414e3537-3441-3255-5838-34353034544d
vem 5
  host vmware id 414e3537-3441-3255-5838-333930345046
vem 6
  host vmware id 414e3537-3441-3255-5838-34353034544c
vem 7
  host vmware id 414e3537-3441-3255-5838-333930344e59
vem 8
  host vmware id 414e3537-3441-3255-5838-333830333330
vem 9
  host vmware id 414e3537-3441-3255-5838-333930345057
vem 10
  host vmware id 414e3537-3441-3255-5838-343530345630
vem 11
  host vmware id 414e3537-3441-3255-5838-343530345448
vem 12
  host vmware id 414e3537-3441-3255-5838-333930345048
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
ntp server 192.168.62.161 use-vrf management
ntp server 192.168.62.162 use-vrf management
ntp source 192.168.41.61
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS

vrf context management
  ip route 0.0.0.0/0 192.168.41.1
vlan 1
vlan 36
  name VLAN36
vlan 37
  name VLAN37
vlan 38
  name VLAN38
```

```
vlan 39
  name VLAN39
vlan 40
  name VLAN40
vlan 41
  name VLAN41
vlan 42
  name VLAN42
vlan 43
  name VLAN43
vlan 44
  name VLAN44
vlan 45
  name VLAN45
vlan 46
  name VLAN46
vlan 52
  name VLAN52
vlan 64
  name VLAN64
vlan 72
  name VLAN72
vlan 80
  name VLAN80
vlan 81
  name VLAN81
vlan 82
  name VLAN82
vlan 83
  name VLAN83
port-channel load-balance ethernet source-mac
port-profile default max-ports 32
port-profile type vethernet VLAN38
  vmware port-group
  switchport mode access
  switchport access vlan 38
  no shutdown
  state enabled
port-profile type vethernet VLAN36
  vmware port-group
  switchport mode access
  switchport access vlan 36
  no shutdown
  state enabled
port-profile type vethernet VLAN37
  vmware port-group
  switchport mode access
  switchport access vlan 37
  no shutdown
  state enabled
port-profile type vethernet VLAN39
  vmware port-group
  switchport mode access
  switchport access vlan 39
  no shutdown
  state enabled
port-profile type vethernet VLAN40
  vmware port-group
  switchport mode access
  switchport access vlan 40
  no shutdown
  state enabled
port-profile type vethernet VLAN41
  vmware port-group
```

```
  switchport mode access
  switchport access vlan 41
  no shutdown
  system vlan 41
  state enabled
port-profile type vethernet VLAN42
  vmware port-group
  switchport mode access
  switchport access vlan 42
  no shutdown
  state enabled
port-profile type vethernet VLAN43
  vmware port-group
  switchport mode access
  switchport access vlan 43
  no shutdown
  state enabled
port-profile type vethernet VLAN44
  vmware port-group
  switchport mode access
  switchport access vlan 44
  no shutdown
  state enabled
port-profile type vethernet VLAN45
  vmware port-group
  switchport mode access
  switchport access vlan 45
  no shutdown
  state enabled
port-profile type vethernet VLAN46
  vmware port-group
  switchport mode access
  switchport access vlan 46
  no shutdown
  state enabled
port-profile type vethernet VLAN52
  vmware port-group
  switchport mode access
  switchport access vlan 52
  no shutdown
  state enabled
port-profile type vethernet VLAN64
  vmware port-group
  switchport mode access
  switchport access vlan 64
  no shutdown
  state enabled
port-profile type vethernet VLAN72
  vmware port-group
  switchport mode access
  switchport access vlan 72
  no shutdown
  state enabled
port-profile type vethernet VLAN80
  vmware port-group
  switchport mode access
  switchport access vlan 80
  no shutdown
  state enabled
port-profile type vethernet VLAN81
  vmware port-group
  switchport mode access
  switchport access vlan 81
  no shutdown
```

```
  state enabled
port-profile type vethernet VLAN82
  vmware port-group
  switchport mode access
  switchport access vlan 82
  no shutdown
  state enabled
port-profile type vethernet VLAN83
  vmware port-group
  switchport mode access
  switchport access vlan 83
  no shutdown
  state enabled
port-profile type ethernet Unused_Or_Quarantine_Uplink
  vmware port-group
  shutdown
  description Port-group created for Nexus1000V internal usage. Do not use.
  state enabled
port-profile type vethernet Unused_Or_Quarantine_Veth
  vmware port-group
  shutdown
  description Port-group created for Nexus1000V internal usage. Do not use.
  state enabled
port-profile type ethernet sysuplink
  vmware port-group
  switchport mode trunk
  switchport trunk allowed vlan 36-83
  no shutdown
  system vlan 41
  state enabled
port-profile type vethernet VSG-DADA-HA
  vmware port-group
  switchport access vlan 41
  no shutdown
  state enabled
port-profile type vethernet Tenant-1
  vmware port-group
  org root/Tenant-1
  vn-service ip-address 192.168.52.11 vlan 52 security-profile SecurityProfile-1
  switchport mode access
  switchport access vlan 41
  no shutdown
  state enabled

vdc N1kv-1 id 1
  limit-resource vlan minimum 16 maximum 2049
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource vrf minimum 16 maximum 8192
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 32 maximum 32
  limit-resource u6route-mem minimum 16 maximum 16
  limit-resource m4route-mem minimum 58 maximum 58
  limit-resource m6route-mem minimum 8 maximum 8

interface mgmt0
  ip address 192.168.41.61/24

interface Vethernet3
  inherit port-profile VLAN42
  description RSA-Archer,Network Adapter 1
  vmware dvport 207 dvswitch uuid "f9 31 3b 50 f5 23 1c a3-34 b1 f1 a6 d6 24 6c c0"
  vmware vm mac 0050.56BB.001E

interface Vethernet5
```

```
  inherit port-profile VSG-DADA-HA
  description Nexus1000VSG,Network Adapter 3
  vmware dvport 1057 dvswitch uuid "f9 31 3b 50 f5 23 1c a3-34 b1 f1 a6 d6 24 6c c0"
  vmware vm mac 0050.56BB.0004

interface Vethernet6
  inherit port-profile VSG-DADA-HA
  description Nexus1000VSG,Network Adapter 1
  vmware dvport 1056 dvswitch uuid "f9 31 3b 50 f5 23 1c a3-34 b1 f1 a6 d6 24 6c c0"
  vmware vm mac 0050.56BB.0002

interface Vethernet7
  inherit port-profile VLAN52
  description POS Terminal,Network Adapter 1
  vmware dvport 352 dvswitch uuid "f9 31 3b 50 f5 23 1c a3-34 b1 f1 a6 d6 24 6c c0"
  vmware vm mac 0050.56BB.0005

interface control0
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
line vty
  exec-timeout 15
line console
  exec-timeout 15
boot kickstart bootflash:/nexus-1000v-kickstart-mz.4.2.1.SV1.4.bin sup-1
boot system bootflash:/nexus-1000v-mz.4.2.1.SV1.4.bin sup-1
boot kickstart bootflash:/nexus-1000v-kickstart-mz.4.2.1.SV1.4.bin sup-2
boot system bootflash:/nexus-1000v-mz.4.2.1.SV1.4.bin sup-2
svs-domain
  domain id 2
  control vlan 41
  packet vlan 41
  svs mode L2
svs connection vc
  protocol vmware-vim
  remote ip address 192.168.41.102 port 80
  vmware dvs uuid "f9 31 3b 50 f5 23 1c a3-34 b1 f1 a6 d6 24 6c c0" datacenter-name Retail
Lab-CMO
  connect
vnm-policy-agent
  registration-ip 192.168.41.65
  shared-secret **********
  policy-agent-image bootflash:/vnmc-vsmpa.1.0.1j.bin
  log-level
logging server 192.168.42.124 7 facility syslog
logging timestamp milliseconds
```

r-a2-conv-1

```
!
! Last configuration change at 00:53:21 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 00:53:22 PST Sat Apr 30 2011 by retail
!
```

```
version 15.1
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 year
service password-encryption
service sequence-numbers
no service password-recovery
!
hostname R-A2-Conv-1
!
boot-start-marker
boot system flash c890-universalk9-mz.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
 action-type start-stop
 group tacacs+
!
aaa accounting commands 15 default
 action-type start-stop
 group tacacs+
!
aaa accounting system default
 action-type start-stop
 group tacacs+
!
!
!
!
!
!
aaa session-id common
!
clock timezone PST -8 0
clock summer-time PST recurring
service-module wlan-ap 0 bootimage autonomous
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-479252603
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-479252603
 revocation-check none
 rsakeypair TP-self-signed-479252603
!
!
crypto pki certificate chain TP-self-signed-479252603
 certificate self-signed 01
  <removed>
```

```
    quit
no ip source-route
!
!
!
!
!
ip cef
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip multicast-routing
ip port-map user-8443 port tcp 8443
ip ips config location flash: retries 1 timeout 1
ip ips name Store-IPS
!
ip ips signature-category
  category all
   retired true
  category ios_ips default
   retired false
!
ip inspect log drop-pkt
ip inspect audit-trail
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
no ipv6 cef
!
multilink bundle-name authenticated
parameter-map type inspect Inspect-1
 audit-trail on
parameter-map type inspect global
 WAAS enable

parameter-map type trend-global trend-glob-map
password encryption aes
license udi pid CISCO891W-AGN-N-K9 sn <removed>
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
!
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 udp eq 5246
 udp eq 5247
!
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 tcp eq 4050
!
object-group network DC-ALL
 description All of the Data Center
 192.168.0.0 255.255.0.0
!
```

```
object-group network Stores-ALL
 description all store networks
 10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_68719541425
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for stores
 host 192.168.43.21
 host 192.168.43.22
!
object-group network DC-Wifi-MSE
 description Mobility Service Engines
 host 192.168.43.31
 host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_68719541431
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
 host 192.168.44.111
!
object-group network MSP-DC-1
 description Data Center VSOM
 host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_68719541435
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_68719541457
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541461
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541465
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network EMC-NCM
 description EMC Network Configuration Manager
 host 192.168.42.122
!
object-group network RSA-enVision
 description RSA EnVision Syslog collector and SIM
 host 192.168.42.124
!
```

```
object-group network CSM_INLINE_dst_rule_73014451187
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object EMC-NCM
 group-object RSA-enVision
!
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 host 192.168.42.131
!
object-group network RSA-AM
 description RSA Authentication Manager for SecureID
 host 192.168.42.137
!
object-group network NAC-1
 description ISE server for NAC
 host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_73014451193
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object ActiveDirectory.cisco-irn.com
 group-object TACACS
 group-object RSA-AM
 group-object NAC-1
!
object-group network NAC-2
 host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_73014451223
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object NAC-2
 group-object NAC-1
!
object-group network DC-Admin
 description DC Admin Systems
 host 192.168.41.101
 host 192.168.41.102
!
object-group network CSManager
 description Cisco Security Manager
 host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_68719541409
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object EMC-NCM
 group-object CSManager
!
object-group network CSM_INLINE_src_rule_68719541427
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_68719541429
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_68719541433
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network DC-WAAS
```

```
 description WAE Appliances in Data Center
 host 192.168.48.10
 host 192.168.49.10
 host 192.168.47.11
 host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_68719541437
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object DC-WAAS
!
object-group network DC-POS-Tomax
 description Tomax POS Communication from Store to Data Center
 192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
 description SAP POS Communication from Store to Data Center
 192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
 description Oracle POS Communication from Store to Data Center
 192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_73014451215
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_73014451217
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group service CSM_INLINE_svc_rule_68719541409
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
!
object-group service CSM_INLINE_svc_rule_68719541425
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service CSM_INLINE_svc_rule_68719541427
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service LWAPP
 description LWAPP UDP ports 12222 and 12223
 udp eq 12222
 udp eq 12223
!
```

```
object-group service TFTP
 description Trivial File Transfer
 tcp eq 69
 udp eq tftp
!
object-group service IP-Protocol-97
 description IP protocol 97
 97
!
object-group service CSM_INLINE_svc_rule_68719541429
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq www
 tcp eq 22
 tcp eq telnet
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object TFTP
 group-object IP-Protocol-97
!
object-group service Cisco-Mobility
 description Mobility ports for Wireless
 udp eq 16666
 udp eq 16667
!
object-group service CSM_INLINE_svc_rule_68719541431
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object Cisco-Mobility
 group-object IP-Protocol-97
!
object-group service HTTPS-8443
 tcp eq 8443
!
object-group service Microsoft-DS-SMB
 description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
 tcp eq 445
!
object-group service CSM_INLINE_svc_rule_68719541437
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541439
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541455
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
```

```
 icmp
 tcp-udp eq 5060
 tcp eq 2000
 tcp eq www
 tcp eq 443
 group-object TFTP
!
object-group service CSM_INLINE_svc_rule_68719541457
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp-udp eq 5060
 tcp eq 2000
!
object-group service Netbios
 description Netbios Servers
 udp eq netbios-dgm
 udp eq netbios-ns
 tcp eq 139
!
object-group service ORACLE-SIM
 description Oracle Store Inventory Management
 tcp eq 7777
 tcp eq 6003
 tcp range 12401 12500
!
object-group service RDP
 description Windows Remote Desktop
 tcp eq 3389
!
object-group service Workbrain
 tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_68719541459
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq ftp
 tcp eq www
 tcp eq 443
 udp eq 88
 tcp-udp eq 42
 group-object Microsoft-DS-SMB
 group-object Netbios
 group-object ORACLE-SIM
 group-object RDP
 group-object Workbrain
!
object-group service CSM_INLINE_svc_rule_73014451187
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 udp eq syslog
 udp eq snmp
 udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_73014451193
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq tacacs
 udp eq 1812
 udp eq 1813
 tcp eq 389
 tcp eq 636
!
object-group service vCenter-to-ESX4
 description Communication from vCetner to ESX hosts
```

```
 tcp eq 5989
 tcp eq 8000
 tcp eq 902
 tcp eq 903
!
object-group service CSM_INLINE_svc_rule_73014451195
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq 22
 group-object vCenter-to-ESX4
!
object-group service ESX-SLP
 description CIM Service Location Protocol (SLP) for VMware systems
 udp eq 427
 tcp eq 427
!
object-group service CSM_INLINE_svc_rule_73014451197
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 group-object vCenter-to-ESX4
 group-object ESX-SLP
!
object-group service ORACLE-RMI
 description RMI TCP ports 1300 and 1301-1319.
 tcp range 1300 1319
!
object-group service ORACLE-Weblogic
 description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
 tcp eq 7001
 tcp eq 7002
 tcp eq 1521
!
object-group service ORACLE-WAS
 description RMI/IIOP over 2809  HTTP over 9443 IBM-MQ 1414
 tcp eq 2809
 tcp eq 9443
 tcp eq 1414
!
object-group service ORACLE-OAS
 description OAS uses one port for HTTP and RMI - 12601.
 tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_73014451203
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_73014451205
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
```

```
!
object-group service CSM_INLINE_svc_rule_73014451207
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451209
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service TOMAX-8990
 description Tomax Application Port
 tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_73014451211
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_73014451213
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service ICMP-Requests
 description ICMP requests
 icmp information-request
 icmp mask-request
 icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_73014451215
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_73014451217
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service DNS-Resolving
 description Domain Name Server
 tcp eq domain
 udp eq domain
!
```

```
object-group service CSM_INLINE_svc_rule_73014451221
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 udp eq bootps
 group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_73014451223
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451388
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 tcp eq 139
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_73014451393
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group service CSM_INLINE_svc_rule_73014451395
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451397
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 udp
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451404
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451406
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group network DC-Applications
 description Applications in the Data Center that are non-PCI related(Optimized by
CS-Manager)
 192.168.180.0 255.255.254.0
!
object-group network DC-Voice
 description Data Center Voice
```

```
 192.168.45.0 255.255.255.0
!
object-group network MS-Update
 description Windows Update Server
 host 192.168.42.150
!
object-group network MSExchange
 description Mail Server
 host 192.168.42.140
!
object-group service NTP
 description NTP Protocols
 tcp eq 123
 udp eq ntp
!
object-group network NTP-Servers
 description NTP Servers
 host 192.168.62.161
 host 162.168.62.162
!
object-group network STORE-POS
 10.10.0.0 255.255.0.0
!
object-group network vSphere-1
 description vSphere server for Lab
 host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
!
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
 match protocol http
 match protocol https
 match protocol microsoft-ds
 match protocol ms-sql
 match protocol ms-sql-m
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol oracle
 match protocol oracle-em-vp
 match protocol oraclenames
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
 match access-group name CSM_ZBF_CMAP_ACL_10
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
 match protocol http
 match protocol https
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
```

```
 match access-group name CSM_ZBF_CMAP_ACL_23
 match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
 match access-group name CSM_ZBF_CMAP_ACL_32
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
 match access-group name CSM_ZBF_CMAP_ACL_11
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
 match access-group name CSM_ZBF_CMAP_ACL_22
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
 match protocol http
 match protocol https
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
 match access-group name CSM_ZBF_CMAP_ACL_33
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tftp
 match protocol http
 match protocol https
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
 match access-group name CSM_ZBF_CMAP_ACL_12
 match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
 match protocol http
 match protocol https
 match protocol netbios-ns
 match protocol netbios-dgm
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
 match access-group name CSM_ZBF_CMAP_ACL_21
 match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
 match protocol http
 match protocol https
 match protocol imap3
 match protocol pop3
 match protocol pop3s
 match protocol smtp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
 match access-group name CSM_ZBF_CMAP_ACL_30
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
 match protocol syslog
 match protocol syslog-conn
 match protocol snmp
```

```
 match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
 match access-group name CSM_ZBF_CMAP_ACL_13
 match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
 match access-group name CSM_ZBF_CMAP_ACL_20
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol ftp
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
 match access-group name CSM_ZBF_CMAP_ACL_31
 match class-map CSM_ZBF_CMAP_PLMAP_20
class-map match-all BRANCH-BULK-DATA
 match protocol tftp
 match protocol nfs
 match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
 match protocol ldaps
 match protocol ldap
 match protocol ldap-admin
 match protocol radius
 match protocol tacacs
 match protocol tacacs-ds
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
 match access-group name CSM_ZBF_CMAP_ACL_14
 match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
 match protocol http
 match protocol https
 match protocol udp
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
 match access-group name CSM_ZBF_CMAP_ACL_27
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
 match access-group name CSM_ZBF_CMAP_ACL_36
 match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
 match protocol ntp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
 match access-group name CSM_ZBF_CMAP_ACL_15
 match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
 match access-group name CSM_ZBF_CMAP_ACL_26
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
 match protocol bootpc
```

```
 match protocol bootps
 match protocol udp
 match protocol tcp
 match protocol dns
 match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
 match access-group name CSM_ZBF_CMAP_ACL_16
 match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
 match access-group name CSM_ZBF_CMAP_ACL_25
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
 match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
 match access-group name CSM_ZBF_CMAP_ACL_17
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
 match access-group name CSM_ZBF_CMAP_ACL_24
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
 match protocol tcp
 match protocol udp
 match protocol http
 match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
 match access-group name CSM_ZBF_CMAP_ACL_35
 match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
 match protocol https
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
 match access-group name CSM_ZBF_CMAP_ACL_18
 match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
 match protocol http
 match protocol https
 match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
 match access-group name CSM_ZBF_CMAP_ACL_19
 match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
 match access-group name CSM_ZBF_CMAP_ACL_29
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
 match protocol http
 match protocol https
 match protocol icmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
 match access-group name CSM_ZBF_CMAP_ACL_28
 match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
 match protocol https
 match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
 match access-group name CSM_ZBF_CMAP_ACL_1
 match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
 match access-group name CSM_ZBF_CMAP_ACL_3
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
 match protocol https
 match protocol http
```

```
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
 match access-group name CSM_ZBF_CMAP_ACL_2
 match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
 match access-group name CSM_ZBF_CMAP_ACL_5
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
 match protocol http
 match protocol https
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
 match access-group name CSM_ZBF_CMAP_ACL_4
 match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
 match access-group name CSM_ZBF_CMAP_ACL_7
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
 match access-group name CSM_ZBF_CMAP_ACL_6
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
 match access-group name CSM_ZBF_CMAP_ACL_9
 match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
 match protocol http
 match protocol https
 match protocol ssh
 match protocol telnet
 match protocol tftp
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
 match access-group name CSM_ZBF_CMAP_ACL_8
 match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
 match ip dscp af11  af12
class-map match-all INTERACTIVE-VIDEO
 match ip dscp af41  af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
 match protocol citrix
 match protocol ldap
 match protocol telnet
 match protocol sqlnet
 match protocol http url "*SalesReport*"
 match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
 match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
 match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
 match ip dscp 25
class-map match-any BRANCH-NET-MGMT
 match protocol snmp
 match protocol syslog
 match protocol dns
 match protocol icmp
 match protocol ssh
 match access-group name NET-MGMT-APPS
class-map match-all ROUTING
 match ip dscp cs6
class-map match-all SCAVENGER
```

```
 match ip dscp cs1
class-map match-all NET-MGMT
 match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
 match protocol gnutella
 match protocol fasttrack
 match protocol kazaa2
class-map match-any CALL-SIGNALING
 match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
 match ip dscp af21  af22
!
!
policy-map type inspect CSM_ZBF_POLICY_S_Security_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data-W_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAN_S_Guest
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAN_S_Data-W
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Voice_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Guest_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_MGMT_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_LOOPBACK_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_POS-W
 class class-default
  drop log
policy-map BRANCH-LAN-EDGE-OUT
 class class-default
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_Partners
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_POS
 class class-default
  drop log
```

```
policy-map BRANCH-WAN-EDGE
 class VOICE
  priority percent 18
 class INTERACTIVE-VIDEO
  priority percent 15
 class CALL-SIGNALING
  bandwidth percent 5
 class ROUTING
  bandwidth percent 3
 class NET-MGMT
  bandwidth percent 2
 class MISSION-CRITICAL-DATA
  bandwidth percent 15
  random-detect
 class TRANSACTIONAL-DATA
  bandwidth percent 12
  random-detect dscp-based
 class BULK-DATA
  bandwidth percent 4
  random-detect dscp-based
 class SCAVENGER
  bandwidth percent 1
 class class-default
  bandwidth percent 25
  random-detect
policy-map type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_18
 class type inspect CSM_ZBF_CLASS_MAP_28
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_30
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_31
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
 class type inspect CSM_ZBF_CLASS_MAP_24
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_25
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_26
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
```

```
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
 class type inspect CSM_ZBF_CLASS_MAP_25
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_26
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_15
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_23
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_21
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_30
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_34
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_35
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_S_MGMT_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_13
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_21
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_20
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_32
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_33
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_36
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Voice_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Guest_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_9
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_12
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
 class type inspect CSM_ZBF_CLASS_MAP_9
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_10
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_11
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_8
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_7
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_5
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_4
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_2
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_S_Partners_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Security_S_POS
 class class-default
  drop log
policy-map BRANCH-LAN-EDGE-IN
 class BRANCH-MISSION-CRITICAL
  set ip dscp 25
 class BRANCH-TRANSACTIONAL-DATA
  set ip dscp af21
 class BRANCH-NET-MGMT
  set ip dscp cs2
 class BRANCH-BULK-DATA
  set ip dscp af11
 class BRANCH-SCAVENGER
  set ip dscp cs1
policy-map type inspect CSM_ZBF_POLICY_S_Data_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data-W_S_POS-W
 class class-default
  drop log
!
zone security S_WAN
 description Store WAN Link
zone security LOOPBACK
 description Loopback interface
zone security S_MGMT
 description VLAN1000 Management
zone security S_Security
```

```
 description VLAN20 Physical Security Systems
zone security S_WAAS
 description VLAN19 WAAS optimization
zone security S_WLC-AP
 description VLAN18 Wireless Systems
zone security S_Data
 description VLAN12 Store Data
zone security S_Data-W
 description VLAN14 Store Wireless Data
zone security S_Guest
 description VLAN17 Guest/Public Wireless
zone security S_Voice
 description VLAN13 Store Voice
zone security S_Partners
 description VLAN16 Partner network
zone security S_POS
 description VLAN 11 POS Data
zone security S_POS-W
 description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_S_WAN_S_Data-W
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_S_WAN_S_Guest
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_LOOPBACK_S_POS-W
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_MGMT_S_POS
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_MGMT_S_POS-W
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Security_S_POS
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_Security_S_POS-W
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
```

```
 service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_POS
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_POS-W
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_Partners
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS-W
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Data_S_POS
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_Data_S_POS-W
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Data-W_S_POS
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_Data-W_S_POS-W
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Guest_S_POS
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_Guest_S_POS-W
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Partners_S_POS
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Voice_S_POS
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_Voice_S_POS-W
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_22
!
!
!
!
!
!
!
interface Loopback0
 ip address 10.10.174.1 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface FastEthernet0
```

```
 switchport mode trunk
!
interface FastEthernet1
 switchport access vlan 17
 switchport protected
!
interface FastEthernet2
 switchport access vlan 17
 switchport protected
!
interface FastEthernet3
 switchport access vlan 17
 switchport protected
!
interface FastEthernet4
 switchport access vlan 17
 switchport protected
!
interface FastEthernet5
 switchport access vlan 17
 switchport protected
!
interface FastEthernet6
 switchport access vlan 17
 switchport protected
!
interface FastEthernet7
 switchport access vlan 17
 switchport protected
!
interface FastEthernet8
 no ip address
 duplex auto
 speed auto
!
interface FastEthernet8.1
!
interface GigabitEthernet0
 ip address 10.10.255.160 255.255.255.0
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
interface wlan-ap0
 description Service module interface to manage the embedded AP
 ip address 10.10.174.33 255.255.255.252
 zone-member security S_WLC-AP
 service-module ip address 10.10.174.34 255.255.255.252
 service-module ip default-gateway 10.10.174.33
 arp timeout 0
!
interface Wlan-GigabitEthernet0
 description Internal switch interface connecting to the embedded AP
 switchport mode trunk
 zone-member security S_WLC-AP
 service-module ip address 10.10.174.34 255.255.255.252
 service-module ip default-gateway 10.10.174.33
!
interface Vlan1
 no ip address
 ip ips Store-IPS in
```

```
 ip ips Store-IPS out
 zone-member security S_POS
!
interface Vlan11
 description POS
 ip address 10.10.160.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS
 standby 11 ip 10.10.160.1
 standby 11 priority 101
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan12
 description DATA
 ip address 10.10.161.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in
 ip pim sparse-dense-mode
 zone-member security S_Data
 standby 12 ip 10.10.161.1
 standby 12 priority 101
 standby 12 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan13
 description VOICE
 ip address 10.10.162.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Voice
 standby 13 ip 10.10.162.1
 standby 13 priority 101
 standby 13 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan14
 description WIRELESS
 ip address 10.10.163.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Data-W
 standby 14 ip 10.10.163.1
 standby 14 priority 101
 standby 14 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan15
 description WIRELESS-POS
 ip address 10.10.164.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS-W
 standby 15 ip 10.10.164.1
 standby 15 priority 101
 standby 15 preempt
 service-policy input BRANCH-LAN-EDGE-IN
```

```
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan16
 description PARTNER
 ip address 10.10.165.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Partners
 standby 16 ip 10.10.165.1
 standby 16 priority 101
 standby 16 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan17
 description WIRELESS-GUEST
 ip address 10.10.166.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Guest
 standby 17 ip 10.10.166.1
 standby 17 priority 101
 standby 17 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan18
 description WIRELESS-CONTROL
 ip address 10.10.167.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WLC-AP
 standby 18 ip 10.10.167.1
 standby 18 priority 101
 standby 18 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan19
 description WAAS
 ip address 10.10.168.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WAAS
 standby 19 ip 10.10.168.1
 standby 19 priority 101
 standby 19 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan20
 description SECURITY
 ip address 10.10.169.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Security
 standby 20 ip 10.10.169.1
 standby 20 priority 101
 standby 20 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan1000
 description MANAGEMENT
 ip address 10.10.175.2 255.255.255.0
 zone-member security S_MGMT
 standby 100 ip 10.10.175.1
 standby 100 priority 101
 standby 100 preempt
```

```
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Async1
 no ip address
 encapsulation slip
!
interface Group-Async0
 physical-layer async
 no ip address
 encapsulation slip
 no group-range
!
router ospf 5
 router-id 10.10.174.1
 passive-interface default
!
no ip forward-protocol nd
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip route 0.0.0.0 0.0.0.0 10.10.255.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
 remark ---File Transfer---
 permit tcp any any eq ftp
 permit tcp any any eq ftp-data
 remark ---E-mail traffic---
 permit tcp any any eq smtp
 permit tcp any any eq pop3
 permit tcp any any eq 143
 remark ---other EDM app protocols---
 permit tcp any any range 3460 3466
 permit tcp any range 3460 3466 any
 remark ---messaging services---
 permit tcp any any eq 2980
 permit tcp any eq 2980 any
 remark ---Microsoft file services---
 permit tcp any any range 137 139
 permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
 remark Data Center Mgmt to Devices
 permit object-group CSM_INLINE_svc_rule_68719541409 object-group
CSM_INLINE_src_rule_68719541409 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451205 object-group DC-POS-Oracle
object-group STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451209 object-group DC-POS-SAP object-group
STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451213 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451215 object-group
CSM_INLINE_src_rule_73014451215 object-group STORE-POS
```

```
ip access-list extended CSM_ZBF_CMAP_ACL_12
 remark Data Center VOICE (wired and Wireless)
 permit object-group CSM_INLINE_svc_rule_68719541455 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
 remark Syslog and SNMP Alerts
 permit object-group CSM_INLINE_svc_rule_73014451187 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451187
ip access-list extended CSM_ZBF_CMAP_ACL_14
 remark Store to Data Center Authentications
 permit object-group CSM_INLINE_svc_rule_73014451193 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451193
ip access-list extended CSM_ZBF_CMAP_ACL_15
 remark Store to Data Center for NTP
 permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_16
 remark Store to Data Center for DHCP and DNS
 permit object-group CSM_INLINE_svc_rule_73014451221 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_17
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_68719541425 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541425
ip access-list extended CSM_ZBF_CMAP_ACL_18
 remark Store UCS Express to Data Center vShphere
 permit object-group CSM_INLINE_svc_rule_73014451197 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_19
 remark Store NAC
 permit object-group CSM_INLINE_svc_rule_73014451223 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451223
ip access-list extended CSM_ZBF_CMAP_ACL_2
 remark Data Center subscribe to IPS SDEE events
 permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
 remark Store to Data Center Physical Security
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541435
ip access-list extended CSM_ZBF_CMAP_ACL_21
 remark Store WAAS (WAAS Devices need their own zone)
 permit object-group CSM_INLINE_svc_rule_68719541439 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_22
 remark Store WAAS to Clients and Servers
 permit object-group CSM_INLINE_svc_rule_73014451388 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_23
 remark Store to Data Center wireless controller traffic
 permit object-group CSM_INLINE_svc_rule_68719541431 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541431
ip access-list extended CSM_ZBF_CMAP_ACL_24
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451203 object-group STORE-POS object-group
DC-POS-Oracle
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451207 object-group STORE-POS object-group
DC-POS-SAP
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451211 object-group STORE-POS object-group
DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_25
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451217 object-group
CSM_INLINE_src_rule_73014451217 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_26
```

```
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_73014451393 object-group STORE-POS object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_27
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_73014451395 object-group STORE-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_28
 remark Permit POS clients to talk to store POS server
 permit object-group CSM_INLINE_svc_rule_73014451397 object-group STORE-POS object-group
STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_29
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_73014451404 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_68719541427 object-group
CSM_INLINE_src_rule_68719541427 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_73014451406 object-group Stores-ALL object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_31
 remark Store DATA (wired and Wireless - Access to DC Other applications)
 permit object-group CSM_INLINE_svc_rule_68719541459 object-group Stores-ALL object-group
DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_32
 remark Store GUEST - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541465
ip access-list extended CSM_ZBF_CMAP_ACL_33
 remark Store GUEST (access to internet/DMZ web servers)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_34
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541461
ip access-list extended CSM_ZBF_CMAP_ACL_35
 remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_68719541457 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541457
ip access-list extended CSM_ZBF_CMAP_ACL_4
 remark Data Center vSphere to UCS Express
 permit object-group CSM_INLINE_svc_rule_73014451195 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
 remark Data Center to Store Physical Security
 permit ip object-group CSM_INLINE_src_rule_68719541433 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
 remark Data Center WAAS to Store
 permit object-group CSM_INLINE_svc_rule_68719541437 object-group
CSM_INLINE_src_rule_68719541437 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in stores
 permit object-group CSM_INLINE_svc_rule_68719541429 object-group
CSM_INLINE_src_rule_68719541429 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group STORE-POS
```

```
ip access-list extended MISSION-CRITICAL-SERVERS
 remark ---POS Applications---
 permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
 remark - Router user Authentication - Identifies TACACS Control traffic
 permit tcp any any eq tacacs
 permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
 remark ---Workbrain Application---
 remark --Large Store Clock Server to Central Clock Application
 permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
 remark --Large store Clock Server to CUAE
 permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
 remark ---LiteScape Application---
 permit ip any host 192.168.46.82
 permit ip any 239.192.0.0 0.0.0.255
 permit ip any host 239.255.255.250
 remark ---Remote Desktop---
 permit tcp any any eq 3389
 permit tcp any eq 3389 any
 remark ---Oracle SIM---
 permit tcp any 192.168.46.0 0.0.0.255 eq 7777
 permit tcp any 192.168.46.0 0.0.0.255 eq 6003
 permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
 permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
 permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
 permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
!
!
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group causer v3 priv
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps energywise
snmp-server enable traps config-copy
```

```
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps ipsla
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
banner exec C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line 1
 modem InOut
 stopbits 1
 speed 115200
 flowcontrol hardware
line 2
 no activation-character
```

```
 no exec
 transport preferred none
 transport input ssh
 transport output none
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication RETAIL
 no exec
 transport preferred none
 transport output none
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
scheduler max-task-time 5000
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end
```

r-a2-lrg-1

```
!
! Last configuration change at 00:54:49 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 00:54:49 PST Sat Apr 30 2011 by retail
!
version 15.1
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 year
service password-encryption
service sequence-numbers
!
hostname R-A2-Lrg-1
!
boot-start-marker
boot system flash0 c3900-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
```

```
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
 action-type start-stop
 group tacacs+
!
aaa accounting commands 15 default
 action-type start-stop
 group tacacs+
!
aaa accounting system default
 action-type start-stop
 group tacacs+
!
!
!
!
!
!
aaa session-id common
!
clock timezone PST -8 0
clock summer-time PST recurring
!
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-72006796
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-72006796
 revocation-check none
!
!
crypto pki certificate chain TP-self-signed-72006796
 certificate self-signed 03
  <removed>
    quit
no ipv6 cef
no ip source-route
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip port-map user-8443 port tcp 8443
ip inspect log drop-pkt
ip inspect audit-trail
ip ips config location flash0: retries 1 timeout 1
ip ips name Store-IPS
```

```
!
ip ips signature-category
  category all
   retired true
  category ios_ips default
   retired false
!
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect global
 WAAS enable
parameter-map type inspect Inspect-1
 audit-trail on

parameter-map type trend-global trend-glob-map
!
!
!
!
password encryption aes
voice-card 0
!
!
!
!
!
!
!
license udi pid C3900-SPE150/K9 sn <removed>
hw-module pvdm 0/0
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
!
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 udp eq 5246
 udp eq 5247
!
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 tcp eq 4050
!
object-group network EMC-NCM
 description EMC Network Configuration Manager
 host 192.168.42.122
!
object-group network RSA-enVision
 description RSA EnVision Syslog collector and SIM
 host 192.168.42.124
```

```
!
object-group network CSM_INLINE_dst_rule_81604380995
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object EMC-NCM
 group-object RSA-enVision
!
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 host 192.168.42.131
!
object-group network RSA-AM
 description RSA Authentication Manager for SecureID
 host 192.168.42.137
!
object-group network NAC-1
 description ISE server for NAC
 host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_81604381001
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object ActiveDirectory.cisco-irn.com
 group-object TACACS
 group-object RSA-AM
 group-object NAC-1
!
object-group network NAC-2
 host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_81604381037
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object NAC-2
 group-object NAC-1
!
object-group network DC-ALL
 description All of the Data Center
 192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
 description all store networks
 10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_81604381039
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for stores
 host 192.168.43.21
 host 192.168.43.22
!
object-group network DC-Wifi-MSE
 description Mobility Service Engines
 host 192.168.43.31
 host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_81604381045
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
```

```
 group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
 host 192.168.44.111
!
object-group network MSP-DC-1
 description Data Center VSOM
 host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_81604381049
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_81604381059
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381067
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381071
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381150
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_dst_rule_81604381152
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network DC-Admin
 description DC Admin Systems
 host 192.168.41.101
 host 192.168.41.102
!
object-group network CSManager
 description Cisco Security Manager
 host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_81604380993
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object EMC-NCM
 group-object CSManager
!
object-group network DC-POS-Tomax
 description Tomax POS Communication from Store to Data Center
 192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
 description SAP POS Communication from Store to Data Center
 192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
 description Oracle POS Communication from Store to Data Center
```

```
 192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_81604381021
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381023
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381041
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_81604381043
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_81604381047
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network DC-WAAS
 description WAE Appliances in Data Center
 host 192.168.48.10
 host 192.168.49.10
 host 192.168.47.11
 host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_81604381051
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-WAAS
!
object-group network CSM_INLINE_src_rule_81604381150
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_src_rule_81604381152
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group service CSM_INLINE_svc_rule_81604380993
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
!
object-group service CSM_INLINE_svc_rule_81604380995
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq syslog
```

```
 udp eq snmp
 udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_81604381001
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq tacacs
 udp eq 1812
 udp eq 1813
 tcp eq 389
 tcp eq 636
!
object-group service vCenter-to-ESX4
 description Communication from vCetner to ESX hosts
 tcp eq 5989
 tcp eq 8000
 tcp eq 902
 tcp eq 903
!
object-group service CSM_INLINE_svc_rule_81604381003
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq 22
 group-object vCenter-to-ESX4
!
object-group service ESX-SLP
 description CIM Service Location Protocol (SLP) for VMware systems
 udp eq 427
 tcp eq 427
!
object-group service CSM_INLINE_svc_rule_81604381005
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object vCenter-to-ESX4
 group-object ESX-SLP
!
object-group service ORACLE-RMI
 description RMI TCP ports 1300 and 1301-1319.
 tcp range 1300 1319
!
object-group service ORACLE-Weblogic
 description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
 tcp eq 7001
 tcp eq 7002
 tcp eq 1521
!
object-group service ORACLE-WAS
 description RMI/IIOP over 2809  HTTP over 9443 IBM-MQ 1414
 tcp eq 2809
 tcp eq 9443
 tcp eq 1414
!
object-group service ORACLE-OAS
 description OAS uses one port for HTTP and RMI - 12601.
 tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_81604381009
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
```

```
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_81604381011
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service HTTPS-8443
 tcp eq 8443
!
object-group service CSM_INLINE_svc_rule_81604381013
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381015
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service TOMAX-8990
 description Tomax Application Port
 tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_81604381017
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_81604381019
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service ICMP-Requests
 description ICMP requests
 icmp information-request
 icmp mask-request
 icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_81604381021
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
```

```
!
object-group service CSM_INLINE_svc_rule_81604381023
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381025
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group service CSM_INLINE_svc_rule_81604381027
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381029
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 udp
 tcp eq 443
!
object-group service DNS-Resolving
 description Domain Name Server
 tcp eq domain
 udp eq domain
!
object-group service CSM_INLINE_svc_rule_81604381035
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq bootps
 group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_81604381037
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381039
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service CSM_INLINE_svc_rule_81604381041
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
```

```
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service LWAPP
 description LWAPP UDP ports 12222 and 12223
 udp eq 12222
 udp eq 12223
!
object-group service TFTP
 description Trivial File Transfer
 tcp eq 69
 udp eq tftp
!
object-group service IP-Protocol-97
 description IP protocol 97
 97
!
object-group service CSM_INLINE_svc_rule_81604381043
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq www
 tcp eq 22
 tcp eq telnet
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object TFTP
 group-object IP-Protocol-97
!
object-group service Cisco-Mobility
 description Mobility ports for Wireless
 udp eq 16666
 udp eq 16667
!
object-group service CSM_INLINE_svc_rule_81604381045
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object Cisco-Mobility
 group-object IP-Protocol-97
!
object-group service Microsoft-DS-SMB
 description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
 tcp eq 445
!
object-group service CSM_INLINE_svc_rule_81604381051
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381053
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
```

```
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381055
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381057
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp
 tcp-udp eq 5060
 tcp eq 2000
 tcp eq www
 tcp eq 443
 group-object TFTP
!
object-group service CSM_INLINE_svc_rule_81604381059
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp-udp eq 5060
 tcp eq 2000
!
object-group service CSM_INLINE_svc_rule_81604381061
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381063
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group service Netbios
 description Netbios Servers
 udp eq netbios-dgm
 udp eq netbios-ns
 tcp eq 139
!
object-group service ORACLE-SIM
 description Oracle Store Inventory Management
 tcp eq 7777
 tcp eq 6003
 tcp range 12401 12500
!
object-group service RDP
 description Windows Remote Desktop
 tcp eq 3389
!
object-group service Workbrain
 tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_81604381065
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq ftp
```

```
 tcp eq www
 tcp eq 443
 udp eq 88
 tcp-udp eq 42
 group-object Microsoft-DS-SMB
 group-object Netbios
 group-object ORACLE-SIM
 group-object RDP
 group-object Workbrain
!
object-group network DC-Applications
 description Applications in the Data Center that are non-PCI related(Optimized by
CS-Manager)
 192.168.180.0 255.255.254.0
!
object-group network DC-Voice
 description Data Center Voice
 192.168.45.0 255.255.255.0
!
object-group network MS-Update
 description Windows Update Server
 host 192.168.42.150
!
object-group network MSExchange
 description Mail Server
 host 192.168.42.140
!
object-group service NTP
 description NTP Protocols
 tcp eq 123
 udp eq ntp
!
object-group network NTP-Servers
 description NTP Servers
 host 192.168.62.161
 host 162.168.62.162
!
object-group network STORE-POS
 10.10.0.0 255.255.0.0
!
object-group network vSphere-1
 description vSphere server for Lab
 host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
redundancy
!
!
!
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
 match protocol http
 match protocol https
 match protocol microsoft-ds
```

```
 match protocol ms-sql
 match protocol ms-sql-m
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol oracle
 match protocol oracle-em-vp
 match protocol oraclenames
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
 match access-group name CSM_ZBF_CMAP_ACL_10
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
 match protocol http
 match protocol https
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
 match access-group name CSM_ZBF_CMAP_ACL_23
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
 match protocol http
 match protocol https
 match protocol imap3
 match protocol pop3
 match protocol pop3s
 match protocol smtp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
 match access-group name CSM_ZBF_CMAP_ACL_32
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
 match access-group name CSM_ZBF_CMAP_ACL_11
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
 match protocol http
 match protocol https
 match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
 match access-group name CSM_ZBF_CMAP_ACL_22
 match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol ftp
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
 match access-group name CSM_ZBF_CMAP_ACL_33
 match class-map CSM_ZBF_CMAP_PLMAP_20
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tftp
 match protocol http
 match protocol https
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
```

```
 match access-group name CSM_ZBF_CMAP_ACL_12
 match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
 match protocol https
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
 match access-group name CSM_ZBF_CMAP_ACL_21
 match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
 match protocol http
 match protocol https
 match protocol icmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
 match access-group name CSM_ZBF_CMAP_ACL_30
 match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
 match access-group name CSM_ZBF_CMAP_ACL_13
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
 match access-group name CSM_ZBF_CMAP_ACL_20
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
 match protocol http
 match protocol https
 match protocol udp
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
 match access-group name CSM_ZBF_CMAP_ACL_31
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map match-all BRANCH-BULK-DATA
 match protocol tftp
 match protocol nfs
 match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
 match access-group name CSM_ZBF_CMAP_ACL_14
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
 match access-group name CSM_ZBF_CMAP_ACL_27
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
 match access-group name CSM_ZBF_CMAP_ACL_36
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
 match access-group name CSM_ZBF_CMAP_ACL_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
 match access-group name CSM_ZBF_CMAP_ACL_26
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
 match protocol tcp
 match protocol udp
 match protocol http
 match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_37
 match access-group name CSM_ZBF_CMAP_ACL_37
 match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
```

```
 match protocol syslog
 match protocol syslog-conn
 match protocol snmp
 match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
 match access-group name CSM_ZBF_CMAP_ACL_16
 match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
 match protocol http
 match protocol https
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
 match access-group name CSM_ZBF_CMAP_ACL_25
 match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
 match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
 match protocol ldaps
 match protocol ldap
 match protocol ldap-admin
 match protocol radius
 match protocol tacacs
 match protocol tacacs-ds
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
 match access-group name CSM_ZBF_CMAP_ACL_17
 match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
 match protocol http
 match protocol https
 match protocol netbios-ns
 match protocol netbios-dgm
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
 match access-group name CSM_ZBF_CMAP_ACL_24
 match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
 match access-group name CSM_ZBF_CMAP_ACL_35
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
 match protocol ntp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
 match access-group name CSM_ZBF_CMAP_ACL_18
 match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
 match protocol bootpc
 match protocol bootps
 match protocol udp
 match protocol tcp
 match protocol dns
 match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
 match access-group name CSM_ZBF_CMAP_ACL_19
 match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
 match access-group name CSM_ZBF_CMAP_ACL_29
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
```

```
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_38
 match access-group name CSM_ZBF_CMAP_ACL_38
 match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
 match access-group name CSM_ZBF_CMAP_ACL_28
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
 match protocol https
 match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
 match access-group name CSM_ZBF_CMAP_ACL_1
 match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
 match access-group name CSM_ZBF_CMAP_ACL_3
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
 match protocol https
 match protocol http
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
 match access-group name CSM_ZBF_CMAP_ACL_2
 match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
 match access-group name CSM_ZBF_CMAP_ACL_5
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
 match protocol http
 match protocol https
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
 match access-group name CSM_ZBF_CMAP_ACL_4
 match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
 match access-group name CSM_ZBF_CMAP_ACL_7
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
 match access-group name CSM_ZBF_CMAP_ACL_6
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
 match access-group name CSM_ZBF_CMAP_ACL_9
 match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
 match protocol http
 match protocol https
 match protocol ssh
 match protocol telnet
 match protocol tftp
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
 match access-group name CSM_ZBF_CMAP_ACL_8
 match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
 match ip dscp af11  af12
class-map match-all INTERACTIVE-VIDEO
 match ip dscp af41  af42
```

```
class-map match-any BRANCH-TRANSACTIONAL-DATA
 match protocol citrix
 match protocol ldap
 match protocol telnet
 match protocol sqlnet
 match protocol http url "*SalesReport*"
 match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
 match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
 match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
 match ip dscp 25
class-map match-any BRANCH-NET-MGMT
 match protocol snmp
 match protocol syslog
 match protocol dns
 match protocol icmp
 match protocol ssh
 match access-group name NET-MGMT-APPS
class-map match-all ROUTING
 match ip dscp cs6
class-map match-all SCAVENGER
 match ip dscp cs1
class-map match-all NET-MGMT
 match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
 match protocol gnutella
 match protocol fasttrack
 match protocol kazaa2
class-map match-any CALL-SIGNALING
 match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
 match ip dscp af21  af22
!
!
policy-map BRANCH-LAN-EDGE-OUT
 class class-default
policy-map BRANCH-WAN-EDGE
 class VOICE
  priority percent 18
 class INTERACTIVE-VIDEO
  priority percent 15
 class CALL-SIGNALING
  bandwidth percent 5
 class ROUTING
  bandwidth percent 3
 class NET-MGMT
  bandwidth percent 2
 class MISSION-CRITICAL-DATA
  bandwidth percent 15
  random-detect
 class TRANSACTIONAL-DATA
  bandwidth percent 12
  random-detect dscp-based
 class BULK-DATA
  bandwidth percent 4
  random-detect dscp-based
 class SCAVENGER
  bandwidth percent 1
 class class-default
  bandwidth percent 25
  random-detect
policy-map type inspect CSM_ZBF_POLICY_MAP_18
```

```
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_25
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_23
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_25
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_32
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_36
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_37
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_24
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_24
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_34
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_35
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_27
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_15
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_21
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_26
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_38
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
 class type inspect CSM_ZBF_CLASS_MAP_15
  pass
```

```
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_21
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_28
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_13
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_20
 class type inspect CSM_ZBF_CLASS_MAP_26
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_28
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_23
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
```

```
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_31
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_32
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_33
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
 class type inspect CSM_ZBF_CLASS_MAP_30
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_9
 class type inspect CSM_ZBF_CLASS_MAP_13
  pass
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_12
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
 class type inspect CSM_ZBF_CLASS_MAP_9
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_10
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_11
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_8
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_7
```

```
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_5
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_4
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_2
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop
policy-map BRANCH-LAN-EDGE-IN
 class BRANCH-MISSION-CRITICAL
  set ip dscp 25
 class BRANCH-TRANSACTIONAL-DATA
  set ip dscp af21
 class BRANCH-NET-MGMT
  set ip dscp cs2
 class BRANCH-BULK-DATA
  set ip dscp af11
 class BRANCH-SCAVENGER
  set ip dscp cs1
!
zone security S_WAN
 description Store WAN Link
zone security S_R-2-R
 description Bridge link between routers
zone security LOOPBACK
 description Loopback interface
zone security S_MGMT
 description VLAN1000 Management
zone security S_Security
 description VLAN20 Physical Security Systems
zone security S_WAAS
 description VLAN19 WAAS optimization
zone security S_WLC-AP
 description VLAN18 Wireless Systems
zone security S_Data
 description VLAN12 Store Data
zone security S_Data-W
 description VLAN14 Store Wireless Data
zone security S_Guest
 description VLAN17 Guest/Public Wireless
zone security S_Voice
 description VLAN13 Store Voice
```

```
zone security S_Partners
 description VLAN16 Partner network
zone security S_POS
 description VLAN 11 POS Data
zone security S_POS-W
 description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_S_R-2-R-LOOPBACK_1 source S_R-2-R destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_R-2-R-S_MGMT_1 source S_R-2-R destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_R-2-R-S_Security_1 source S_R-2-R destination S_Security
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_R-2-R-S_WAAS_1 source S_R-2-R destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_R-2-R-S_WLC-AP_1 source S_R-2-R destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_R-2-R-self_1 source S_R-2-R destination self
 service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_S_R-2-R-S_Data_1 source S_R-2-R destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Data-W_1 source S_R-2-R destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Guest_1 source S_R-2-R destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_R-2-R-S_Partners_1 source S_R-2-R destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_POS_1 source S_R-2-R destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_POS-W_1 source S_R-2-R destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_Voice_1 source S_R-2-R destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_self-S_R-2-R_1 source self destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_R-2-R_1 source LOOPBACK destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
```

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zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_R-2-R_1 source S_MGMT destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_R-2-R_1 source S_Security destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_R-2-R_1 source S_WAAS destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_R-2-R_1 source S_WLC-AP destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-S_R-2-R_1 source S_POS destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_R-2-R_1 source S_POS-W destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_22
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-S_R-2-R_1 source S_Data destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
```

```
zone-pair security CSM_S_Data-W-S_R-2-R_1 source S_Data-W destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Guest-S_R-2-R_1 source S_Guest destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Partners-S_R-2-R_1 source S_Partners destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_26
zone-pair security CSM_S_Voice-S_R-2-R_1 source S_Voice destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_27
!
!
!
!
!
!
!
interface Loopback0
 ip address 10.10.110.1 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto
!
interface GigabitEthernet0/0.11
 description POS
 encapsulation dot1Q 11
 ip address 10.10.96.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip helper-address 192.168.42.111
 ip pim sparse-dense-mode
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS
 standby 11 ip 10.10.96.1
 standby 11 priority 101
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.12
 description DATA
 encapsulation dot1Q 12
```

```
 ip address 10.10.97.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in
 ip pim sparse-dense-mode
 zone-member security S_Data
 standby 12 ip 10.10.97.1
 standby 12 priority 101
 standby 12 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.13
 description VOICE
 encapsulation dot1Q 13
 ip address 10.10.98.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Voice
 standby 13 ip 10.10.98.1
 standby 13 priority 101
 standby 13 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.14
 description WIRELESS
 encapsulation dot1Q 14
 ip address 10.10.99.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Data-W
 standby 14 ip 10.10.99.1
 standby 14 priority 101
 standby 14 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.15
 description WIRELESS-POS
 encapsulation dot1Q 15
 ip address 10.10.100.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS-W
 standby 15 ip 10.10.100.1
 standby 15 priority 101
 standby 15 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.16
 description PARTNER
 encapsulation dot1Q 16
 ip address 10.10.101.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Partners
 standby 16 ip 10.10.101.1
 standby 16 priority 101
 standby 16 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.17
 description WIRELESS-GUEST
 encapsulation dot1Q 17
```

```
 ip address 10.10.102.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Guest
 standby 17 ip 10.10.102.1
 standby 17 priority 101
 standby 17 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.18
 description WIRELESS-CONTROL
 encapsulation dot1Q 18
 ip address 10.10.103.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WLC-AP
 standby 18 ip 10.10.103.1
 standby 18 priority 101
 standby 18 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.19
 description WAAS
 encapsulation dot1Q 19
 ip address 10.10.104.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WAAS
 standby 19 ip 10.10.104.1
 standby 19 priority 101
 standby 19 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.20
 description SECURITY-SYSTEMS
 encapsulation dot1Q 20
 ip address 10.10.105.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Security
 standby 20 ip 10.10.105.1
 standby 20 priority 101
 standby 20 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.102
 description ROUTER LINK TO
 encapsulation dot1Q 102
 ip address 10.10.110.29 255.255.255.252
 ip pim sparse-dense-mode
 zone-member security S_R-2-R
 service-policy input BRANCH-LAN-EDGE-IN
!
interface GigabitEthernet0/0.1000
 description MANAGEMENT
 encapsulation dot1Q 1000
 ip address 10.10.111.2 255.255.255.0
 zone-member security S_MGMT
 standby 100 ip 10.10.111.1
 standby 100 priority 101
 standby 100 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
```

```
interface GigabitEthernet0/1
 no ip address
 duplex auto
 speed auto
!
interface GigabitEthernet0/1.101
 description ROUTER LINK TO
 encapsulation dot1Q 101
 ip address 10.10.110.25 255.255.255.252
 ip pim sparse-dense-mode
 zone-member security S_R-2-R
 service-policy input BRANCH-LAN-EDGE-IN
!
interface GigabitEthernet0/2
 ip address 10.10.255.96 255.255.255.0
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
!
router ospf 5
 router-id 10.10.110.1
 redistribute connected subnets
 passive-interface default
 no passive-interface GigabitEthernet0/0.102
 no passive-interface GigabitEthernet0/1.101
 network 10.10.0.0 0.0.255.255 area 10
 default-information originate
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.255.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
 remark ---File Transfer---
 permit tcp any any eq ftp
 permit tcp any any eq ftp-data
 remark ---E-mail traffic---
 permit tcp any any eq smtp
 permit tcp any any eq pop3
 permit tcp any any eq 143
 remark ---other EDM app protocols---
 permit tcp any any range 3460 3466
 permit tcp any range 3460 3466 any
 remark ---messaging services---
 permit tcp any any eq 2980
 permit tcp any eq 2980 any
 remark ---Microsoft file services---
 permit tcp any any range 137 139
 permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
 remark Data Center Mgmt to Devices
```

```
 permit object-group CSM_INLINE_svc_rule_81604380993 object-group
CSM_INLINE_src_rule_81604380993 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381011 object-group DC-POS-Oracle
object-group STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381015 object-group DC-POS-SAP object-group
STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381019 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381021 object-group
CSM_INLINE_src_rule_81604381021 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
 remark Data Center VOICE (wired and Wireless)
 permit object-group CSM_INLINE_svc_rule_81604381057 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
 permit ospf object-group CSM_INLINE_src_rule_81604381150 object-group
CSM_INLINE_dst_rule_81604381150
ip access-list extended CSM_ZBF_CMAP_ACL_14
 remark Store WAAS to Clients and Servers
 permit object-group CSM_INLINE_svc_rule_81604381055 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_15
 permit ospf object-group CSM_INLINE_src_rule_81604381152 object-group
CSM_INLINE_dst_rule_81604381152
ip access-list extended CSM_ZBF_CMAP_ACL_16
 remark Syslog and SNMP Alerts
 permit object-group CSM_INLINE_svc_rule_81604380995 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604380995
ip access-list extended CSM_ZBF_CMAP_ACL_17
 remark Store to Data Center Authentications
 permit object-group CSM_INLINE_svc_rule_81604381001 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381001
ip access-list extended CSM_ZBF_CMAP_ACL_18
 remark Store to Data Center for NTP
 permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_19
 remark Store to Data Center for DHCP and DNS
 permit object-group CSM_INLINE_svc_rule_81604381035 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_2
 remark Data Center subscribe to IPS SDEE events
 permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_81604381039 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381039
ip access-list extended CSM_ZBF_CMAP_ACL_21
 remark Store UCS Express to Data Center vShphere
 permit object-group CSM_INLINE_svc_rule_81604381005 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_22
 remark Store NAC
 permit object-group CSM_INLINE_svc_rule_81604381037 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381037
ip access-list extended CSM_ZBF_CMAP_ACL_23
 remark Store to Data Center Physical Security
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381049
ip access-list extended CSM_ZBF_CMAP_ACL_24
```

```
 remark Store WAAS (WAAS Devices need their own zone)
 permit object-group CSM_INLINE_svc_rule_81604381053 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_25
 remark Store to Data Center wireless controller traffic
 permit object-group CSM_INLINE_svc_rule_81604381045 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381045
ip access-list extended CSM_ZBF_CMAP_ACL_26
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381009 object-group STORE-POS object-group
DC-POS-Oracle
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381013 object-group STORE-POS object-group
DC-POS-SAP
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381017 object-group STORE-POS object-group
DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_27
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381023 object-group
CSM_INLINE_src_rule_81604381023 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_28
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_81604381025 object-group STORE-POS object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_29
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_81604381027 object-group STORE-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_81604381041 object-group
CSM_INLINE_src_rule_81604381041 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Permit POS clients to talk to store POS server
 permit object-group CSM_INLINE_svc_rule_81604381029 object-group STORE-POS object-group
STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_31
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_81604381061 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_32
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_81604381063 object-group Stores-ALL object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_33
 remark Store DATA (wired and Wireless - Access to DC Other applications)
 permit object-group CSM_INLINE_svc_rule_81604381065 object-group Stores-ALL object-group
DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_34
 remark Store GUEST - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381071
ip access-list extended CSM_ZBF_CMAP_ACL_35
 remark Store GUEST (access to internet/DMZ web servers)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381067
ip access-list extended CSM_ZBF_CMAP_ACL_37
 remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
```

```
 permit object-group CSM_INLINE_svc_rule_81604381059 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381059
ip access-list extended CSM_ZBF_CMAP_ACL_4
 remark Data Center vSphere to UCS Express
 permit object-group CSM_INLINE_svc_rule_81604381003 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
 remark Data Center to Store Physical Security
 permit ip object-group CSM_INLINE_src_rule_81604381047 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
 remark Data Center WAAS to Store
 permit object-group CSM_INLINE_svc_rule_81604381051 object-group
CSM_INLINE_src_rule_81604381051 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in stores
 permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
 remark ---POS Applications---
 permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
 remark - Router user Authentication - Identifies TACACS Control traffic
 permit tcp any any eq tacacs
 permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
 remark ---Workbrain Application---
 remark --Large Store Clock Server to Central Clock Application
 permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
 remark --Large store Clock Server to CUAE
 permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
 remark ---LiteScape Application---
 permit ip any host 192.168.46.82
 permit ip any 239.192.0.0 0.0.0.255
 permit ip any host 239.255.255.250
 remark ---Remote Desktop---
 permit tcp any any eq 3389
 permit tcp any eq 3389 any
 remark ---Oracle SIM---
 permit tcp any 192.168.46.0 0.0.0.255 eq 7777
 permit tcp any 192.168.46.0 0.0.0.255 eq 6003
 permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
 permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
 permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
 permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
```

```
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
!
!
!
nls resp-timeout 1
cpd cr-id 1
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
mgcp profile default
!
!
!
!
!
gatekeeper
 shutdown
!
!
banner exec C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
```

```
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner incoming C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication RETAIL
 no exec
 transport preferred none
 transport output none
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
scheduler allocate 20000 1000
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end
```

r-a2-lrg-2

```
!
! Last configuration change at 00:59:26 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:00:56 PST Sat Apr 30 2011 by retail
!
version 15.1
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 year
service password-encryption
service sequence-numbers
!
hostname R-A2-Lrg-2
!
boot-start-marker
boot system flash0 c3900-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
 action-type start-stop
 group tacacs+
!
aaa accounting commands 15 default
 action-type start-stop
 group tacacs+
!
aaa accounting system default
 action-type start-stop
 group tacacs+
!
!
!
!
!
!
aaa session-id common
!
clock timezone PST -8 0
clock summer-time PST recurring
!
crypto pki token default removal timeout 0
```

```
!
crypto pki trustpoint TP-self-signed-660084654
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-660084654
 revocation-check none
 rsakeypair TP-self-signed-660084654
!
!
crypto pki certificate chain TP-self-signed-660084654
 certificate self-signed 01
  <removed>
    quit
no ipv6 cef
no ip source-route
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip port-map user-8443 port tcp 8443
ip inspect log drop-pkt
ip inspect audit-trail
ip ips config location flash0: retries 1 timeout 1
ip ips name Store-IPS
!
ip ips signature-category
  category all
   retired true
  category ios_ips default
   retired false
!
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect global
 WAAS enable
parameter-map type inspect Inspect-1
 audit-trail on

parameter-map type trend-global trend-glob-map
!
!
!
!
password encryption aes
voice-card 0
!
!
!
!
!
!
!
```

```
license udi pid C3900-SPE150/K9 sn <removed>
hw-module pvdm 0/0
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
!
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 udp eq 5246
 udp eq 5247
!
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 tcp eq 4050
!
object-group network EMC-NCM
 description EMC Network Configuration Manager
 host 192.168.42.122
!
object-group network RSA-enVision
 description RSA EnVision Syslog collector and SIM
 host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_81604380995
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object EMC-NCM
 group-object RSA-enVision
!
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 host 192.168.42.131
!
object-group network RSA-AM
 description RSA Authentication Manager for SecureID
 host 192.168.42.137
!
object-group network NAC-1
 description ISE server for NAC
 host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_81604381001
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object ActiveDirectory.cisco-irn.com
 group-object TACACS
 group-object RSA-AM
 group-object NAC-1
!
object-group network NAC-2
 host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_81604381037
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object NAC-2
 group-object NAC-1
!
object-group network DC-ALL
 description All of the Data Center
```

```
 192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
 description all store networks
 10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_81604381039
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for stores
 host 192.168.43.21
 host 192.168.43.22
!
object-group network DC-Wifi-MSE
 description Mobility Service Engines
 host 192.168.43.31
 host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_81604381045
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
 host 192.168.44.111
!
object-group network MSP-DC-1
 description Data Center VSOM
 host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_81604381049
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_81604381059
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381067
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381071
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381150
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_dst_rule_81604381152
```

```
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network DC-Admin
 description DC Admin Systems
 host 192.168.41.101
 host 192.168.41.102
!
object-group network CSManager
 description Cisco Security Manager
 host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_81604380993
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object EMC-NCM
 group-object CSManager
!
object-group network DC-POS-Tomax
 description Tomax POS Communication from Store to Data Center
 192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
 description SAP POS Communication from Store to Data Center
 192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
 description Oracle POS Communication from Store to Data Center
 192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_81604381021
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381023
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381041
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_81604381043
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_81604381047
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network DC-WAAS
 description WAE Appliances in Data Center
 host 192.168.48.10
```

```
 host 192.168.49.10
 host 192.168.47.11
 host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_81604381051
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-WAAS
!
object-group network CSM_INLINE_src_rule_81604381150
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_src_rule_81604381152
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group service CSM_INLINE_svc_rule_81604380993
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
!
object-group service CSM_INLINE_svc_rule_81604380995
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq syslog
 udp eq snmp
 udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_81604381001
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq tacacs
 udp eq 1812
 udp eq 1813
 tcp eq 389
 tcp eq 636
!
object-group service vCenter-to-ESX4
 description Communication from vCetner to ESX hosts
 tcp eq 5989
 tcp eq 8000
 tcp eq 902
 tcp eq 903
!
object-group service CSM_INLINE_svc_rule_81604381003
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq 22
 group-object vCenter-to-ESX4
!
object-group service ESX-SLP
 description CIM Service Location Protocol (SLP) for VMware systems
 udp eq 427
 tcp eq 427
!
object-group service CSM_INLINE_svc_rule_81604381005
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
```

```
 tcp eq 443
 group-object vCenter-to-ESX4
 group-object ESX-SLP
!
object-group service ORACLE-RMI
 description RMI TCP ports 1300 and 1301-1319.
 tcp range 1300 1319
!
object-group service ORACLE-Weblogic
 description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
 tcp eq 7001
 tcp eq 7002
 tcp eq 1521
!
object-group service ORACLE-WAS
 description RMI/IIOP over 2809  HTTP over 9443 IBM-MQ 1414
 tcp eq 2809
 tcp eq 9443
 tcp eq 1414
!
object-group service ORACLE-OAS
 description OAS uses one port for HTTP and RMI - 12601.
 tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_81604381009
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_81604381011
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service HTTPS-8443
 tcp eq 8443
!
object-group service CSM_INLINE_svc_rule_81604381013
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381015
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service TOMAX-8990
 description Tomax Application Port
 tcp eq 8990
```

```
!
object-group service CSM_INLINE_svc_rule_81604381017
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_81604381019
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service ICMP-Requests
 description ICMP requests
 icmp information-request
 icmp mask-request
 icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_81604381021
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381023
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381025
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group service CSM_INLINE_svc_rule_81604381027
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381029
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 udp
 tcp eq 443
!
object-group service DNS-Resolving
```

```
 description Domain Name Server
 tcp eq domain
 udp eq domain
!
object-group service CSM_INLINE_svc_rule_81604381035
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq bootps
 group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_81604381037
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381039
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service CSM_INLINE_svc_rule_81604381041
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service LWAPP
 description LWAPP UDP ports 12222 and 12223
 udp eq 12222
 udp eq 12223
!
object-group service TFTP
 description Trivial File Transfer
 tcp eq 69
 udp eq tftp
!
object-group service IP-Protocol-97
 description IP protocol 97
 97
!
object-group service CSM_INLINE_svc_rule_81604381043
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq www
 tcp eq 22
 tcp eq telnet
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object TFTP
 group-object IP-Protocol-97
!
object-group service Cisco-Mobility
 description Mobility ports for Wireless
 udp eq 16666
 udp eq 16667
```

```
!
object-group service CSM_INLINE_svc_rule_81604381045
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object Cisco-Mobility
 group-object IP-Protocol-97
!
object-group service Microsoft-DS-SMB
 description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
 tcp eq 445
!
object-group service CSM_INLINE_svc_rule_81604381051
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381053
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381055
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381057
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp
 tcp-udp eq 5060
 tcp eq 2000
 tcp eq www
 tcp eq 443
 group-object TFTP
!
object-group service CSM_INLINE_svc_rule_81604381059
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp-udp eq 5060
 tcp eq 2000
!
object-group service CSM_INLINE_svc_rule_81604381061
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381063
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
```

```
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group service Netbios
 description Netbios Servers
 udp eq netbios-dgm
 udp eq netbios-ns
 tcp eq 139
!
object-group service ORACLE-SIM
 description Oracle Store Inventory Management
 tcp eq 7777
 tcp eq 6003
 tcp range 12401 12500
!
object-group service RDP
 description Windows Remote Desktop
 tcp eq 3389
!
object-group service Workbrain
 tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_81604381065
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq ftp
 tcp eq www
 tcp eq 443
 udp eq 88
 tcp-udp eq 42
 group-object Microsoft-DS-SMB
 group-object Netbios
 group-object ORACLE-SIM
 group-object RDP
 group-object Workbrain
!
object-group network DC-Applications
 description Applications in the Data Center that are non-PCI related(Optimized by
CS-Manager)
 192.168.180.0 255.255.254.0
!
object-group network DC-Voice
 description Data Center Voice
 192.168.45.0 255.255.255.0
!
object-group network MS-Update
 description Windows Update Server
 host 192.168.42.150
!
object-group network MSExchange
 description Mail Server
 host 192.168.42.140
!
object-group service NTP
 description NTP Protocols
 tcp eq 123
 udp eq ntp
!
object-group network NTP-Servers
 description NTP Servers
 host 192.168.62.161
```

```
 host 162.168.62.162
!
object-group network STORE-POS
 10.10.0.0 255.255.0.0
!
object-group network vSphere-1
 description vSphere server for Lab
 host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
redundancy
!
!
!
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
 match protocol http
 match protocol https
 match protocol microsoft-ds
 match protocol ms-sql
 match protocol ms-sql-m
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol oracle
 match protocol oracle-em-vp
 match protocol oraclenames
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
 match access-group name CSM_ZBF_CMAP_ACL_10
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
 match protocol http
 match protocol https
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
 match access-group name CSM_ZBF_CMAP_ACL_23
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
 match protocol http
 match protocol https
 match protocol imap3
 match protocol pop3
 match protocol pop3s
 match protocol smtp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
 match access-group name CSM_ZBF_CMAP_ACL_32
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
 match access-group name CSM_ZBF_CMAP_ACL_11
 match protocol icmp
```

```
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
 match protocol http
 match protocol https
 match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
 match access-group name CSM_ZBF_CMAP_ACL_22
 match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol ftp
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
 match access-group name CSM_ZBF_CMAP_ACL_33
 match class-map CSM_ZBF_CMAP_PLMAP_20
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tftp
 match protocol http
 match protocol https
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
 match access-group name CSM_ZBF_CMAP_ACL_12
 match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
 match protocol https
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
 match access-group name CSM_ZBF_CMAP_ACL_21
 match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
 match protocol http
 match protocol https
 match protocol icmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
 match access-group name CSM_ZBF_CMAP_ACL_30
 match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
 match access-group name CSM_ZBF_CMAP_ACL_13
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
 match access-group name CSM_ZBF_CMAP_ACL_20
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
 match protocol http
 match protocol https
 match protocol udp
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
 match access-group name CSM_ZBF_CMAP_ACL_31
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map match-all BRANCH-BULK-DATA
 match protocol tftp
 match protocol nfs
 match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
```

```
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
 match access-group name CSM_ZBF_CMAP_ACL_14
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
 match access-group name CSM_ZBF_CMAP_ACL_27
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
 match access-group name CSM_ZBF_CMAP_ACL_36
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
 match access-group name CSM_ZBF_CMAP_ACL_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
 match access-group name CSM_ZBF_CMAP_ACL_26
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
 match protocol tcp
 match protocol udp
 match protocol http
 match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_37
 match access-group name CSM_ZBF_CMAP_ACL_37
 match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
 match protocol syslog
 match protocol syslog-conn
 match protocol snmp
 match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
 match access-group name CSM_ZBF_CMAP_ACL_16
 match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
 match protocol http
 match protocol https
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
 match access-group name CSM_ZBF_CMAP_ACL_25
 match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
 match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
 match protocol ldaps
 match protocol ldap
 match protocol ldap-admin
 match protocol radius
 match protocol tacacs
 match protocol tacacs-ds
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
 match access-group name CSM_ZBF_CMAP_ACL_17
 match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
 match protocol http
 match protocol https
 match protocol netbios-ns
 match protocol netbios-dgm
 match protocol netbios-ssn
```

```
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
 match access-group name CSM_ZBF_CMAP_ACL_24
 match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
 match access-group name CSM_ZBF_CMAP_ACL_35
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
 match protocol ntp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
 match access-group name CSM_ZBF_CMAP_ACL_18
 match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
 match protocol bootpc
 match protocol bootps
 match protocol udp
 match protocol tcp
 match protocol dns
 match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
 match access-group name CSM_ZBF_CMAP_ACL_19
 match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
 match access-group name CSM_ZBF_CMAP_ACL_29
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_38
 match access-group name CSM_ZBF_CMAP_ACL_38
 match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
 match access-group name CSM_ZBF_CMAP_ACL_28
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
 match protocol https
 match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
 match access-group name CSM_ZBF_CMAP_ACL_1
 match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
 match access-group name CSM_ZBF_CMAP_ACL_3
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
 match protocol https
 match protocol http
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
 match access-group name CSM_ZBF_CMAP_ACL_2
 match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
 match access-group name CSM_ZBF_CMAP_ACL_5
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
 match protocol http
 match protocol https
 match protocol ssh
 match protocol tcp
```

```
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
 match access-group name CSM_ZBF_CMAP_ACL_4
 match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
 match access-group name CSM_ZBF_CMAP_ACL_7
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
 match access-group name CSM_ZBF_CMAP_ACL_6
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
 match access-group name CSM_ZBF_CMAP_ACL_9
 match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
 match protocol http
 match protocol https
 match protocol ssh
 match protocol telnet
 match protocol tftp
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
 match access-group name CSM_ZBF_CMAP_ACL_8
 match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
 match ip dscp af11  af12
class-map match-all INTERACTIVE-VIDEO
 match ip dscp af41  af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
 match protocol citrix
 match protocol ldap
 match protocol telnet
 match protocol sqlnet
 match protocol http url "*SalesReport*"
 match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
 match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
 match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
 match ip dscp 25
class-map match-any BRANCH-NET-MGMT
 match protocol snmp
 match protocol syslog
 match protocol dns
 match protocol icmp
 match protocol ssh
 match access-group name NET-MGMT-APPS
class-map match-all ROUTING
 match ip dscp cs6
class-map match-all SCAVENGER
 match ip dscp cs1
class-map match-all NET-MGMT
 match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
 match protocol gnutella
 match protocol fasttrack
 match protocol kazaa2
class-map match-any CALL-SIGNALING
 match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
 match ip dscp af21  af22
!
```

```
!
policy-map BRANCH-LAN-EDGE-OUT
 class class-default
policy-map BRANCH-WAN-EDGE
 class VOICE
  priority percent 18
 class INTERACTIVE-VIDEO
  priority percent 15
 class CALL-SIGNALING
  bandwidth percent 5
 class ROUTING
  bandwidth percent 3
 class NET-MGMT
  bandwidth percent 2
 class MISSION-CRITICAL-DATA
  bandwidth percent 15
  random-detect
 class TRANSACTIONAL-DATA
  bandwidth percent 12
  random-detect dscp-based
 class BULK-DATA
  bandwidth percent 4
  random-detect dscp-based
 class SCAVENGER
  bandwidth percent 1
 class class-default
  bandwidth percent 25
  random-detect
policy-map type inspect CSM_ZBF_POLICY_MAP_18
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_25
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_23
  inspect Inspect-1
 class class-default
```

```
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_25
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_32
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_36
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_37
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_24
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_24
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_34
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_35
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_27
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_15
 class type inspect CSM_ZBF_CLASS_MAP_16
```

```
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_21
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_26
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_38
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
 class type inspect CSM_ZBF_CLASS_MAP_15
  pass
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_21
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_28
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_13
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_20
 class type inspect CSM_ZBF_CLASS_MAP_26
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_28
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_23
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_31
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_32
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_33
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
 class type inspect CSM_ZBF_CLASS_MAP_30
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_9
 class type inspect CSM_ZBF_CLASS_MAP_13
  pass
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_12
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
 class type inspect CSM_ZBF_CLASS_MAP_9
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_10
```

```
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_11
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_8
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_7
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_5
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_4
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_2
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop
policy-map BRANCH-LAN-EDGE-IN
 class BRANCH-MISSION-CRITICAL
  set ip dscp 25
 class BRANCH-TRANSACTIONAL-DATA
  set ip dscp af21
```

```
 class BRANCH-NET-MGMT
  set ip dscp cs2
 class BRANCH-BULK-DATA
  set ip dscp af11
 class BRANCH-SCAVENGER
  set ip dscp cs1
!
zone security S_WAN
 description Store WAN Link
zone security S_R-2-R
 description Bridge link between routers
zone security LOOPBACK
 description Loopback interface
zone security S_MGMT
 description VLAN1000 Management
zone security S_Security
 description VLAN20 Physical Security Systems
zone security S_WAAS
 description VLAN19 WAAS optimization
zone security S_WLC-AP
 description VLAN18 Wireless Systems
zone security S_Data
 description VLAN12 Store Data
zone security S_Data-W
 description VLAN14 Store Wireless Data
zone security S_Guest
 description VLAN17 Guest/Public Wireless
zone security S_Voice
 description VLAN13 Store Voice
zone security S_Partners
 description VLAN16 Partner network
zone security S_POS
 description VLAN 11 POS Data
zone security S_POS-W
 description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_S_R-2-R-LOOPBACK_1 source S_R-2-R destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_R-2-R-S_MGMT_1 source S_R-2-R destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_R-2-R-S_Security_1 source S_R-2-R destination S_Security
```

```
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_R-2-R-S_WAAS_1 source S_R-2-R destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_R-2-R-S_WLC-AP_1 source S_R-2-R destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_R-2-R-self_1 source S_R-2-R destination self
 service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_S_R-2-R-S_Data_1 source S_R-2-R destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Data-W_1 source S_R-2-R destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Guest_1 source S_R-2-R destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_R-2-R-S_Partners_1 source S_R-2-R destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_POS_1 source S_R-2-R destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_POS-W_1 source S_R-2-R destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_Voice_1 source S_R-2-R destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_self-S_R-2-R_1 source self destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_R-2-R_1 source LOOPBACK destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_R-2-R_1 source S_MGMT destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_R-2-R_1 source S_Security destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_R-2-R_1 source S_WAAS destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_R-2-R_1 source S_WLC-AP destination S_R-2-R
```

```
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-S_R-2-R_1 source S_POS destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_R-2-R_1 source S_POS-W destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_22
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-S_R-2-R_1 source S_Data destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_R-2-R_1 source S_Data-W destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Guest-S_R-2-R_1 source S_Guest destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Partners-S_R-2-R_1 source S_Partners destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_26
zone-pair security CSM_S_Voice-S_R-2-R_1 source S_Voice destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_27
!
!
!
!
!
!
!
interface Loopback0
 ip address 10.10.110.2 255.255.255.255
```

```
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 no ip address
 duplex auto
 speed auto
!
interface GigabitEthernet0/0.102
 description ROUTER LINK TO
 encapsulation dot1Q 102
 ip address 10.10.110.30 255.255.255.252
 ip pim sparse-dense-mode
 zone-member security S_R-2-R
!
interface GigabitEthernet0/1
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto
 media-type rj45
!
interface GigabitEthernet0/1.11
 description POS
 encapsulation dot1Q 11
 ip address 10.10.96.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS
 standby 11 ip 10.10.96.1
 standby 11 priority 99
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.12
 description DATA
 encapsulation dot1Q 12
 ip address 10.10.97.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in
 ip pim sparse-dense-mode
 zone-member security S_Data
 standby 12 ip 10.10.97.1
 standby 12 priority 99
 standby 12 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.13
 description VOICE
 encapsulation dot1Q 13
 ip address 10.10.98.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Voice
 standby 13 ip 10.10.98.1
 standby 13 priority 99
 standby 13 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
```

```
interface GigabitEthernet0/1.14
 description WIRELESS
 encapsulation dot1Q 14
 ip address 10.10.99.3 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Data-W
 standby 14 ip 10.10.99.1
 standby 14 priority 99
 standby 14 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.15
 description WIRELESS-POS
 encapsulation dot1Q 15
 ip address 10.10.100.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS-W
 standby 15 ip 10.10.100.1
 standby 15 priority 99
 standby 15 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.16
 description PARTNER
 encapsulation dot1Q 16
 ip address 10.10.101.3 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Partners
 standby 16 ip 10.10.101.1
 standby 16 priority 99
 standby 16 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.17
 description WIRELESS-GUEST
 encapsulation dot1Q 17
 ip address 10.10.102.3 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Guest
 standby 17 ip 10.10.102.1
 standby 17 priority 99
 standby 17 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.18
 description WIRELESS-CONTROL
 encapsulation dot1Q 18
 ip address 10.10.103.3 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WLC-AP
 standby 18 ip 10.10.103.1
 standby 18 priority 99
 standby 18 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.19
 description WAAS
```

```
 encapsulation dot1Q 19
 ip address 10.10.104.3 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WAAS
 standby 19 ip 10.10.104.1
 standby 19 priority 99
 standby 19 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.20
 description SECURITY-SYSTEMS
 encapsulation dot1Q 20
 ip address 10.10.105.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Security
 standby 20 ip 10.10.105.1
 standby 20 priority 99
 standby 20 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.101
 description ROUTER LINK TO
 encapsulation dot1Q 101
 ip address 10.10.110.26 255.255.255.252
 ip pim sparse-dense-mode
 zone-member security S_R-2-R
!
interface GigabitEthernet0/1.1000
 description MANAGEMENT
 encapsulation dot1Q 1000
 ip address 10.10.111.3 255.255.255.0
 zone-member security S_MGMT
 standby 100 ip 10.10.111.1
 standby 100 priority 99
 standby 100 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/2
 ip address 10.10.254.96 255.255.255.0
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
!
router ospf 5
 router-id 10.10.110.2
 redistribute connected subnets
 passive-interface default
 no passive-interface GigabitEthernet0/0.102
 no passive-interface GigabitEthernet0/1.101
 network 10.10.0.0 0.0.255.255 area 10
 default-information originate
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
```

```
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.254.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
 remark ---File Transfer---
 permit tcp any any eq ftp
 permit tcp any any eq ftp-data
 remark ---E-mail traffic---
 permit tcp any any eq smtp
 permit tcp any any eq pop3
 permit tcp any any eq 143
 remark ---other EDM app protocols---
 permit tcp any any range 3460 3466
 permit tcp any range 3460 3466 any
 remark ---messaging services---
 permit tcp any any eq 2980
 permit tcp any eq 2980 any
 remark ---Microsoft file services---
 permit tcp any any range 137 139
 permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
 remark Data Center Mgmt to Devices
 permit object-group CSM_INLINE_svc_rule_81604380993 object-group
CSM_INLINE_src_rule_81604380993 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381011 object-group DC-POS-Oracle
object-group STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381015 object-group DC-POS-SAP object-group
STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381019 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381021 object-group
CSM_INLINE_src_rule_81604381021 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
 remark Data Center VOICE (wired and Wireless)
 permit object-group CSM_INLINE_svc_rule_81604381057 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
 permit ospf object-group CSM_INLINE_src_rule_81604381150 object-group
CSM_INLINE_dst_rule_81604381150
ip access-list extended CSM_ZBF_CMAP_ACL_14
 remark Store WAAS to Clients and Servers
 permit object-group CSM_INLINE_svc_rule_81604381055 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_15
 permit ospf object-group CSM_INLINE_src_rule_81604381152 object-group
CSM_INLINE_dst_rule_81604381152
ip access-list extended CSM_ZBF_CMAP_ACL_16
 remark Syslog and SNMP Alerts
 permit object-group CSM_INLINE_svc_rule_81604380995 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604380995
ip access-list extended CSM_ZBF_CMAP_ACL_17
 remark Store to Data Center Authentications
```

```
 permit object-group CSM_INLINE_svc_rule_81604381001 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381001
ip access-list extended CSM_ZBF_CMAP_ACL_18
 remark Store to Data Center for NTP
 permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_19
 remark Store to Data Center for DHCP and DNS
 permit object-group CSM_INLINE_svc_rule_81604381035 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_2
 remark Data Center subscribe to IPS SDEE events
 permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_81604381039 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381039
ip access-list extended CSM_ZBF_CMAP_ACL_21
 remark Store UCS Express to Data Center vShphere
 permit object-group CSM_INLINE_svc_rule_81604381005 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_22
 remark Store NAC
 permit object-group CSM_INLINE_svc_rule_81604381037 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381037
ip access-list extended CSM_ZBF_CMAP_ACL_23
 remark Store to Data Center Physical Security
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381049
ip access-list extended CSM_ZBF_CMAP_ACL_24
 remark Store WAAS (WAAS Devices need their own zone)
 permit object-group CSM_INLINE_svc_rule_81604381053 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_25
 remark Store to Data Center wireless controller traffic
 permit object-group CSM_INLINE_svc_rule_81604381045 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381045
ip access-list extended CSM_ZBF_CMAP_ACL_26
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381009 object-group STORE-POS object-group
DC-POS-Oracle
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381013 object-group STORE-POS object-group
DC-POS-SAP
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381017 object-group STORE-POS object-group
DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_27
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381023 object-group
CSM_INLINE_src_rule_81604381023 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_28
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_81604381025 object-group STORE-POS object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_29
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_81604381027 object-group STORE-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_81604381041 object-group
CSM_INLINE_src_rule_81604381041 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Permit POS clients to talk to store POS server
```

```
 permit object-group CSM_INLINE_svc_rule_81604381029 object-group STORE-POS object-group
STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_31
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_81604381061 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_32
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_81604381063 object-group Stores-ALL object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_33
 remark Store DATA (wired and Wireless - Access to DC Other applications)
 permit object-group CSM_INLINE_svc_rule_81604381065 object-group Stores-ALL object-group
DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_34
 remark Store GUEST - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381071
ip access-list extended CSM_ZBF_CMAP_ACL_35
 remark Store GUEST (access to internet/DMZ web servers)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381067
ip access-list extended CSM_ZBF_CMAP_ACL_37
 remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_81604381059 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381059
ip access-list extended CSM_ZBF_CMAP_ACL_4
 remark Data Center vSphere to UCS Express
 permit object-group CSM_INLINE_svc_rule_81604381003 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
 remark Data Center to Store Physical Security
 permit ip object-group CSM_INLINE_src_rule_81604381047 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
 remark Data Center WAAS to Store
 permit object-group CSM_INLINE_svc_rule_81604381051 object-group
CSM_INLINE_src_rule_81604381051 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in stores
 permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
 remark ---POS Applications---
 permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
 remark - Router user Authentication - Identifies TACACS Control traffic
 permit tcp any any eq tacacs
 permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
 remark ---Workbrain Application---
 remark --Large Store Clock Server to Central Clock Application
 permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
 remark --Large store Clock Server to CUAE
 permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
```

```
 remark ---LiteScape Application---
 permit ip any host 192.168.46.82
 permit ip any 239.192.0.0 0.0.0.255
 permit ip any host 239.255.255.250
 remark ---Remote Desktop---
 permit tcp any any eq 3389
 permit tcp any eq 3389 any
 remark ---Oracle SIM---
 permit tcp any 192.168.46.0 0.0.0.255 eq 7777
 permit tcp any 192.168.46.0 0.0.0.255 eq 6003
 permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
 permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
 permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
 permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
!
!
!
nls resp-timeout 1
cpd cr-id 1
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
```

```
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
mgcp profile default
!
!
!
!
!
gatekeeper
 shutdown
!
!
banner exec C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner incoming C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
```

```
 login authentication RETAIL
 no exec
 transport preferred none
 transport output none
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
scheduler allocate 20000 1000
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end
```

r-a2-med-1

```
!
! Last configuration change at 00:29:32 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 00:29:32 PSTDST Sat Apr 30 2011 by retail
!
version 15.1
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 year
service password-encryption
service sequence-numbers
!
hostname R-A2-Med-1
!
boot-start-marker
boot system flash0 c2951-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
```

```
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
 action-type start-stop
 group tacacs+
!
aaa accounting commands 15 default
 action-type start-stop
 group tacacs+
!
aaa accounting system default
 action-type start-stop
 group tacacs+
!
!
!
!
!
!
aaa session-id common
!
memory-size iomem 25
clock timezone PST -8 0
clock summer-time PSTDST recurring
!
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-1670063162
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1670063162
 revocation-check none
 rsakeypair TP-self-signed-1670063162
!
!
crypto pki certificate chain TP-self-signed-1670063162
 certificate self-signed 01
  <removed>
    quit
no ipv6 cef
no ip source-route
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip inspect audit-trail
ip ips config location ipstest retries 1 timeout 1
ip ips notify SDEE
ip ips name Retail-PCI
!
ip ips signature-category
  category all
   retired true
  category ios_ips basic
   retired false
!
```

```
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect global
 WAAS enable
parameter-map type inspect Inspect-1
 audit-trail on

parameter-map type trend-global trend-glob-map
!
!
!
!
password encryption aes
voice-card 0
!
!
!
!
!
!
!
license udi pid STARSCREAM sn <removed>
hw-module pvdm 0/2
!
hw-module sm 1
!
hw-module sm 2
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
!
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 udp eq 5246
 udp eq 5247
!
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 tcp eq 4050
!
object-group network EMC-NCM
 description EMC Network Configuration Manager
 host 192.168.42.122
!
object-group network RSA-enVision
 description RSA EnVision Syslog collector and SIM
 host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_81604380995
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
```

```
 group-object EMC-NCM
 group-object RSA-enVision
!
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 host 192.168.42.131
!
object-group network RSA-AM
 description RSA Authentication Manager for SecureID
 host 192.168.42.137
!
object-group network NAC-1
 description ISE server for NAC
 host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_81604381001
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object ActiveDirectory.cisco-irn.com
 group-object TACACS
 group-object RSA-AM
 group-object NAC-1
!
object-group network NAC-2
 host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_81604381037
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object NAC-2
 group-object NAC-1
!
object-group network DC-ALL
 description All of the Data Center
 192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
 description all store networks
 10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_81604381039
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for stores
 host 192.168.43.21
 host 192.168.43.22
!
object-group network DC-Wifi-MSE
 description Mobility Service Engines
 host 192.168.43.31
 host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_81604381045
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
```

```
 host 192.168.44.111
!
object-group network MSP-DC-1
 description Data Center VSOM
 host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_81604381049
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_81604381059
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381067
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381071
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381150
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_dst_rule_81604381152
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network DC-Admin
 description DC Admin Systems
 host 192.168.41.101
 host 192.168.41.102
!
object-group network CSManager
 description Cisco Security Manager
 host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_81604380993
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object EMC-NCM
 group-object CSManager
!
object-group network DC-POS-Tomax
 description Tomax POS Communication from Store to Data Center
 192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
 description SAP POS Communication from Store to Data Center
 192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
 description Oracle POS Communication from Store to Data Center
 192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_81604381021
```

```
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381023
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381041
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_81604381043
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_81604381047
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network DC-WAAS
 description WAE Appliances in Data Center
 host 192.168.48.10
 host 192.168.49.10
 host 192.168.47.11
 host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_81604381051
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-WAAS
!
object-group network CSM_INLINE_src_rule_81604381150
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_src_rule_81604381152
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group service CSM_INLINE_svc_rule_81604380993
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
!
object-group service CSM_INLINE_svc_rule_81604380995
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq syslog
 udp eq snmp
 udp eq snmptrap
!
```

```
object-group service CSM_INLINE_svc_rule_81604381001
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq tacacs
 udp eq 1812
 udp eq 1813
 tcp eq 389
 tcp eq 636
!
object-group service vCenter-to-ESX4
 description Communication from vCetner to ESX hosts
 tcp eq 5989
 tcp eq 8000
 tcp eq 902
 tcp eq 903
!
object-group service CSM_INLINE_svc_rule_81604381003
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq 22
 group-object vCenter-to-ESX4
!
object-group service ESX-SLP
 description CIM Service Location Protocol (SLP) for VMware systems
 udp eq 427
 tcp eq 427
!
object-group service CSM_INLINE_svc_rule_81604381005
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object vCenter-to-ESX4
 group-object ESX-SLP
!
object-group service ORACLE-RMI
 description RMI TCP ports 1300 and 1301-1319.
 tcp range 1300 1319
!
object-group service ORACLE-Weblogic
 description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
 tcp eq 7001
 tcp eq 7002
 tcp eq 1521
!
object-group service ORACLE-WAS
 description RMI/IIOP over 2809  HTTP over 9443 IBM-MQ 1414
 tcp eq 2809
 tcp eq 9443
 tcp eq 1414
!
object-group service ORACLE-OAS
 description OAS uses one port for HTTP and RMI - 12601.
 tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_81604381009
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
```

```
 group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_81604381011
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service HTTPS-8443
 tcp eq 8443
!
object-group service CSM_INLINE_svc_rule_81604381013
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381015
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service TOMAX-8990
 description Tomax Application Port
 tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_81604381017
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_81604381019
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service ICMP-Requests
 description ICMP requests
 icmp information-request
 icmp mask-request
 icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_81604381021
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381023
```

```
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381025
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group service CSM_INLINE_svc_rule_81604381027
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381029
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 udp
 tcp eq 443
!
object-group service DNS-Resolving
 description Domain Name Server
 tcp eq domain
 udp eq domain
!
object-group service CSM_INLINE_svc_rule_81604381035
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq bootps
 group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_81604381037
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381039
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service CSM_INLINE_svc_rule_81604381041
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
```

```
 icmp unreachable
!
object-group service LWAPP
 description LWAPP UDP ports 12222 and 12223
 udp eq 12222
 udp eq 12223
!
object-group service TFTP
 description Trivial File Transfer
 tcp eq 69
 udp eq tftp
!
object-group service IP-Protocol-97
 description IP protocol 97
 97
!
object-group service CSM_INLINE_svc_rule_81604381043
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq www
 tcp eq 22
 tcp eq telnet
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object TFTP
 group-object IP-Protocol-97
!
object-group service Cisco-Mobility
 description Mobility ports for Wireless
 udp eq 16666
 udp eq 16667
!
object-group service CSM_INLINE_svc_rule_81604381045
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object Cisco-Mobility
 group-object IP-Protocol-97
!
object-group service Microsoft-DS-SMB
 description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
 tcp eq 445
!
object-group service CSM_INLINE_svc_rule_81604381051
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381053
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
```

```
!
object-group service CSM_INLINE_svc_rule_81604381055
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381057
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp
 tcp-udp eq 5060
 tcp eq 2000
 tcp eq www
 tcp eq 443
 group-object TFTP
!
object-group service CSM_INLINE_svc_rule_81604381059
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp-udp eq 5060
 tcp eq 2000
!
object-group service CSM_INLINE_svc_rule_81604381061
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381063
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group service Netbios
 description Netbios Servers
 udp eq netbios-dgm
 udp eq netbios-ns
 tcp eq 139
!
object-group service ORACLE-SIM
 description Oracle Store Inventory Management
 tcp eq 7777
 tcp eq 6003
 tcp range 12401 12500
!
object-group service RDP
 description Windows Remote Desktop
 tcp eq 3389
!
object-group service Workbrain
 tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_81604381065
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq ftp
 tcp eq www
 tcp eq 443
```

```
 udp eq 88
 tcp-udp eq 42
 group-object Microsoft-DS-SMB
 group-object Netbios
 group-object ORACLE-SIM
 group-object RDP
 group-object Workbrain
!
object-group network DC-Applications
 description Applications in the Data Center that are non-PCI related(Optimized by
CS-Manager)
 192.168.180.0 255.255.254.0
!
object-group network DC-Voice
 description Data Center Voice
 192.168.45.0 255.255.255.0
!
object-group network MS-Update
 description Windows Update Server
 host 192.168.42.150
!
object-group network MSExchange
 description Mail Server
 host 192.168.42.140
!
object-group service NTP
 description NTP Protocols
 tcp eq 123
 udp eq ntp
!
object-group network NTP-Servers
 description NTP Servers
 host 192.168.62.161
 host 162.168.62.162
!
object-group network STORE-POS
 10.10.0.0 255.255.0.0
!
object-group network vSphere-1
 description vSphere server for Lab
 host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
!
redundancy
!
!
!
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
 match protocol http
 match protocol https
 match protocol microsoft-ds
 match protocol ms-sql
 match protocol ms-sql-m
```

```
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol oracle
 match protocol oracle-em-vp
 match protocol oraclenames
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
 match access-group name CSM_ZBF_CMAP_ACL_10
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
 match protocol http
 match protocol https
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
 match access-group name CSM_ZBF_CMAP_ACL_23
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
 match protocol http
 match protocol https
 match protocol imap3
 match protocol pop3
 match protocol pop3s
 match protocol smtp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
 match access-group name CSM_ZBF_CMAP_ACL_32
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
 match access-group name CSM_ZBF_CMAP_ACL_11
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
 match protocol http
 match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
 match access-group name CSM_ZBF_CMAP_ACL_22
 match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol ftp
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
 match access-group name CSM_ZBF_CMAP_ACL_33
 match class-map CSM_ZBF_CMAP_PLMAP_20
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tftp
 match protocol http
 match protocol https
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
 match access-group name CSM_ZBF_CMAP_ACL_12
 match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
```

```
 match protocol https
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
 match access-group name CSM_ZBF_CMAP_ACL_21
 match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
 match protocol http
 match protocol https
 match protocol icmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
 match access-group name CSM_ZBF_CMAP_ACL_30
 match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
 match access-group name CSM_ZBF_CMAP_ACL_13
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
 match access-group name CSM_ZBF_CMAP_ACL_20
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
 match protocol http
 match protocol https
 match protocol udp
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
 match access-group name CSM_ZBF_CMAP_ACL_31
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map match-all BRANCH-BULK-DATA
 match protocol tftp
 match protocol nfs
 match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
 match access-group name CSM_ZBF_CMAP_ACL_14
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
 match access-group name CSM_ZBF_CMAP_ACL_27
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
 match access-group name CSM_ZBF_CMAP_ACL_36
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
 match access-group name CSM_ZBF_CMAP_ACL_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
 match access-group name CSM_ZBF_CMAP_ACL_26
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
 match protocol tcp
 match protocol udp
 match protocol http
 match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_37
 match access-group name CSM_ZBF_CMAP_ACL_37
 match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
 match protocol syslog
 match protocol syslog-conn
 match protocol snmp
```

```
 match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
 match access-group name CSM_ZBF_CMAP_ACL_16
 match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
 match protocol http
 match protocol https
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
 match access-group name CSM_ZBF_CMAP_ACL_25
 match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
 match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
 match protocol ldaps
 match protocol ldap
 match protocol ldap-admin
 match protocol radius
 match protocol tacacs
 match protocol tacacs-ds
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
 match access-group name CSM_ZBF_CMAP_ACL_17
 match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
 match protocol http
 match protocol https
 match protocol netbios-ns
 match protocol netbios-dgm
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
 match access-group name CSM_ZBF_CMAP_ACL_24
 match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
 match access-group name CSM_ZBF_CMAP_ACL_35
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
 match protocol ntp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
 match access-group name CSM_ZBF_CMAP_ACL_18
 match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
 match protocol bootpc
 match protocol bootps
 match protocol udp
 match protocol tcp
 match protocol dns
 match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
 match access-group name CSM_ZBF_CMAP_ACL_19
 match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
 match access-group name CSM_ZBF_CMAP_ACL_29
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
 match protocol sip
 match protocol sip-tls
 match protocol skinny
```

```
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_38
 match access-group name CSM_ZBF_CMAP_ACL_38
 match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
 match access-group name CSM_ZBF_CMAP_ACL_28
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
 match protocol https
 match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
 match access-group name CSM_ZBF_CMAP_ACL_1
 match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
 match access-group name CSM_ZBF_CMAP_ACL_3
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
 match protocol https
 match protocol http
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
 match access-group name CSM_ZBF_CMAP_ACL_2
 match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
 match access-group name CSM_ZBF_CMAP_ACL_5
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
 match protocol http
 match protocol https
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
 match access-group name CSM_ZBF_CMAP_ACL_4
 match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
 match access-group name CSM_ZBF_CMAP_ACL_7
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
 match access-group name CSM_ZBF_CMAP_ACL_6
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
 match access-group name CSM_ZBF_CMAP_ACL_9
 match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
 match protocol http
 match protocol https
 match protocol ssh
 match protocol telnet
 match protocol tftp
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
 match access-group name CSM_ZBF_CMAP_ACL_8
 match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
 match ip dscp af11  af12
class-map match-all INTERACTIVE-VIDEO
 match ip dscp af41  af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
 match protocol citrix
 match protocol ldap
```

```
 match protocol telnet
 match protocol sqlnet
 match protocol http url "*SalesReport*"
 match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
 match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
 match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
 match ip dscp 25
class-map match-any BRANCH-NET-MGMT
 match protocol snmp
 match protocol syslog
 match protocol dns
 match protocol icmp
 match protocol ssh
 match access-group name NET-MGMT-APPS
class-map match-all ROUTING
 match ip dscp cs6
class-map match-all SCAVENGER
 match ip dscp cs1
class-map match-all NET-MGMT
 match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
 match protocol gnutella
 match protocol fasttrack
 match protocol kazaa2
class-map match-any CALL-SIGNALING
 match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
 match ip dscp af21  af22
!
!
policy-map BRANCH-LAN-EDGE-OUT
 class class-default
policy-map BRANCH-WAN-EDGE
 class VOICE
  priority percent 18
 class INTERACTIVE-VIDEO
  priority percent 15
 class CALL-SIGNALING
  bandwidth percent 5
 class ROUTING
  bandwidth percent 3
 class NET-MGMT
  bandwidth percent 2
 class MISSION-CRITICAL-DATA
  bandwidth percent 15
  random-detect
 class TRANSACTIONAL-DATA
  bandwidth percent 12
  random-detect dscp-based
 class BULK-DATA
  bandwidth percent 4
  random-detect dscp-based
 class SCAVENGER
  bandwidth percent 1
 class class-default
  bandwidth percent 25
  random-detect
policy-map type inspect CSM_ZBF_POLICY_MAP_18
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class class-default
```

```
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_25
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_23
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_25
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_32
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_36
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_37
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_24
  inspect Inspect-1
 class class-default
```

```
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_24
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_34
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_35
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_27
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_15
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_21
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_26
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_38
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
 class type inspect CSM_ZBF_CLASS_MAP_15
  pass
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_21
```

```
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_28
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_13
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_20
 class type inspect CSM_ZBF_CLASS_MAP_26
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_28
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_23
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_31
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_32
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_33
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
 class type inspect CSM_ZBF_CLASS_MAP_30
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_9
 class type inspect CSM_ZBF_CLASS_MAP_13
  pass
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_12
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
 class type inspect CSM_ZBF_CLASS_MAP_9
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_10
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_11
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_8
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_7
  inspect Inspect-1
 class class-default
  drop log
```

```
policy-map type inspect CSM_ZBF_POLICY_MAP_3
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_5
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_4
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_2
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop
policy-map BRANCH-LAN-EDGE-IN
 class BRANCH-MISSION-CRITICAL
  set ip dscp 25
 class BRANCH-TRANSACTIONAL-DATA
  set ip dscp af21
 class BRANCH-NET-MGMT
  set ip dscp cs2
 class BRANCH-BULK-DATA
  set ip dscp af11
 class BRANCH-SCAVENGER
  set ip dscp cs1
!
zone security S_WAN
 description Store WAN Link
zone security S_R-2-R
 description Bridge link between routers
zone security LOOPBACK
 description Loopback interface
zone security S_MGMT
 description VLAN1000 Management
zone security S_Security
 description VLAN20 Physical Security Systems
zone security S_WAAS
 description VLAN19 WAAS optimization
zone security S_WLC-AP
 description VLAN18 Wireless Systems
zone security S_Data
 description VLAN12 Store Data
zone security S_Data-W
 description VLAN14 Store Wireless Data
zone security S_Guest
 description VLAN17 Guest/Public Wireless
zone security S_Voice
 description VLAN13 Store Voice
zone security S_Partners
 description VLAN16 Partner network
zone security S_POS
```

```
 description VLAN 11 POS Data
zone security S_POS-W
 description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_S_R-2-R-LOOPBACK_1 source S_R-2-R destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_R-2-R-S_MGMT_1 source S_R-2-R destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_R-2-R-S_Security_1 source S_R-2-R destination S_Security
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_R-2-R-S_WAAS_1 source S_R-2-R destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_R-2-R-S_WLC-AP_1 source S_R-2-R destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_R-2-R-self_1 source S_R-2-R destination self
 service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_S_R-2-R-S_Data_1 source S_R-2-R destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Data-W_1 source S_R-2-R destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Guest_1 source S_R-2-R destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_R-2-R-S_Partners_1 source S_R-2-R destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_POS_1 source S_R-2-R destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_POS-W_1 source S_R-2-R destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_Voice_1 source S_R-2-R destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_self-S_R-2-R_1 source self destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_R-2-R_1 source LOOPBACK destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
```

```
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_R-2-R_1 source S_MGMT destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_R-2-R_1 source S_Security destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_R-2-R_1 source S_WAAS destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_R-2-R_1 source S_WLC-AP destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-S_R-2-R_1 source S_POS destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_R-2-R_1 source S_POS-W destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_22
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-S_R-2-R_1 source S_Data destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_R-2-R_1 source S_Data-W destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
```

```
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Guest-S_R-2-R_1 source S_Guest destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Partners-S_R-2-R_1 source S_Partners destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_26
zone-pair security CSM_S_Voice-S_R-2-R_1 source S_Voice destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_27
!
!
!
!
!
!
!
interface Loopback0
 ip address 10.10.126.1 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 ip address 10.10.255.112 255.255.255.0
 ip ips Retail-PCI in
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
interface GigabitEthernet0/1
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto
 media-type rj45
!
interface GigabitEthernet0/1.11
 description POS
 encapsulation dot1Q 11
 ip address 10.10.112.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_POS
 standby 11 ip 10.10.112.1
 standby 11 priority 101
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
```

```
interface GigabitEthernet0/1.12
 description DATA
 encapsulation dot1Q 12
 ip address 10.10.113.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in
 ip pim sparse-dense-mode
 zone-member security S_Data
 standby 12 ip 10.10.113.1
 standby 12 priority 101
 standby 12 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.13
 description VOICE
 encapsulation dot1Q 13
 ip address 10.10.114.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Voice
 standby 13 ip 10.10.114.1
 standby 13 priority 101
 standby 13 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.14
 description WIRELESS
 encapsulation dot1Q 14
 ip address 10.10.115.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Data-W
 standby 14 ip 10.10.115.1
 standby 14 priority 101
 standby 14 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.15
 description WIRELESS-POS
 encapsulation dot1Q 15
 ip address 10.10.116.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_POS-W
 standby 15 ip 10.10.116.1
 standby 15 priority 101
 standby 15 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.16
 description PARTNER
 encapsulation dot1Q 16
 ip address 10.10.117.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Partners
 standby 16 ip 10.10.117.1
 standby 16 priority 101
 standby 16 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.17
 description WIRELESS-GUEST
```

```
 encapsulation dot1Q 17
 ip address 10.10.118.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Guest
 standby 17 ip 10.10.118.1
 standby 17 priority 101
 standby 17 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.18
 description WIRELESS-CONTROL
 encapsulation dot1Q 18
 ip address 10.10.119.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WLC-AP
 standby 18 ip 10.10.119.1
 standby 18 priority 101
 standby 18 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.19
 description WAAS
 encapsulation dot1Q 19
 ip address 10.10.120.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WAAS
 standby 19 ip 10.10.120.1
 standby 19 priority 101
 standby 19 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.20
 description SECURITY-SYSTEMS
 encapsulation dot1Q 20
 ip address 10.10.121.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Security
 standby 20 ip 10.10.121.1
 standby 20 priority 101
 standby 20 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.102
 description ROUTER LINK TO
 encapsulation dot1Q 102
 ip address 10.10.126.29 255.255.255.252
 ip pim sparse-dense-mode
 zone-member security S_R-2-R
 service-policy input BRANCH-LAN-EDGE-IN
!
interface GigabitEthernet0/1.1000
 description MANAGEMENT
 encapsulation dot1Q 1000
 ip address 10.10.127.2 255.255.255.0
 zone-member security S_MGMT
 standby 100 ip 10.10.127.1
 standby 100 priority 101
 standby 100 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
```

```
!
interface GigabitEthernet0/2
 no ip address
 duplex auto
 speed auto
!
interface GigabitEthernet0/2.101
 description ROUTER LINK TO
 encapsulation dot1Q 101
 ip address 10.10.126.25 255.255.255.252
 ip pim sparse-dense-mode
 zone-member security S_R-2-R
 service-policy input BRANCH-LAN-EDGE-IN
!
interface SM1/0
 ip address 10.10.126.41 255.255.255.252
 zone-member security S_WAAS
 service-module fail-open
 service-module ip address 10.10.126.42 255.255.255.252
 service-module ip default-gateway 10.10.126.41
 hold-queue 60 out
!
interface SM1/1
 description Internal switch interface connected to Service Module
!
interface Vlan1
 no ip address
!
!
router ospf 5
 router-id 10.10.126.1
 redistribute connected subnets
 passive-interface default
 no passive-interface GigabitEthernet0/1.102
 no passive-interface GigabitEthernet0/2.101
 network 10.10.0.0 0.0.255.255 area 10
 default-information originate
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.255.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
 remark ---File Transfer---
 permit tcp any any eq ftp
 permit tcp any any eq ftp-data
 remark ---E-mail traffic---
 permit tcp any any eq smtp
 permit tcp any any eq pop3
 permit tcp any any eq 143
 remark ---other EDM app protocols---
 permit tcp any any range 3460 3466
 permit tcp any range 3460 3466 any
 remark ---messaging services---
 permit tcp any any eq 2980
 permit tcp any eq 2980 any
```

```
 remark ---Microsoft file services---
 permit tcp any any range 137 139
 permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
 remark Data Center Mgmt to Devices
 permit object-group CSM_INLINE_svc_rule_81604380993 object-group
CSM_INLINE_src_rule_81604380993 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381011 object-group DC-POS-Oracle
object-group STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381015 object-group DC-POS-SAP object-group
STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381019 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381021 object-group
CSM_INLINE_src_rule_81604381021 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
 remark Data Center VOICE (wired and Wireless)
 permit object-group CSM_INLINE_svc_rule_81604381057 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
 permit ospf object-group CSM_INLINE_src_rule_81604381150 object-group
CSM_INLINE_dst_rule_81604381150
ip access-list extended CSM_ZBF_CMAP_ACL_14
 remark Store WAAS to Clients and Servers
 permit object-group CSM_INLINE_svc_rule_81604381055 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_15
 permit ospf object-group CSM_INLINE_src_rule_81604381152 object-group
CSM_INLINE_dst_rule_81604381152
ip access-list extended CSM_ZBF_CMAP_ACL_16
 remark Syslog and SNMP Alerts
 permit object-group CSM_INLINE_svc_rule_81604380995 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604380995
ip access-list extended CSM_ZBF_CMAP_ACL_17
 remark Store to Data Center Authentications
 permit object-group CSM_INLINE_svc_rule_81604381001 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381001
ip access-list extended CSM_ZBF_CMAP_ACL_18
 remark Store to Data Center for NTP
 permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_19
 remark Store to Data Center for DHCP and DNS
 permit object-group CSM_INLINE_svc_rule_81604381035 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_2
 remark Data Center subscribe to IPS SDEE events
 permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_81604381039 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381039
ip access-list extended CSM_ZBF_CMAP_ACL_21
 remark Store UCS Express to Data Center vShphere
 permit object-group CSM_INLINE_svc_rule_81604381005 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_22
 remark Store NAC
```

```
 permit object-group CSM_INLINE_svc_rule_81604381037 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381037
ip access-list extended CSM_ZBF_CMAP_ACL_23
 remark Store to Data Center Physical Security
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381049
ip access-list extended CSM_ZBF_CMAP_ACL_24
 remark Store WAAS (WAAS Devices need their own zone)
 permit object-group CSM_INLINE_svc_rule_81604381053 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_25
 remark Store to Data Center wireless controller traffic
 permit object-group CSM_INLINE_svc_rule_81604381045 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381045
ip access-list extended CSM_ZBF_CMAP_ACL_26
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381009 object-group STORE-POS object-group
DC-POS-Oracle
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381013 object-group STORE-POS object-group
DC-POS-SAP
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381017 object-group STORE-POS object-group
DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_27
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381023 object-group
CSM_INLINE_src_rule_81604381023 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_28
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_81604381025 object-group STORE-POS object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_29
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_81604381027 object-group STORE-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_81604381041 object-group
CSM_INLINE_src_rule_81604381041 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Permit POS clients to talk to store POS server
 permit object-group CSM_INLINE_svc_rule_81604381029 object-group STORE-POS object-group
STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_31
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_81604381061 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_32
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_81604381063 object-group Stores-ALL object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_33
 remark Store DATA (wired and Wireless - Access to DC Other applications)
 permit object-group CSM_INLINE_svc_rule_81604381065 object-group Stores-ALL object-group
DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_34
 remark Store GUEST - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381071
ip access-list extended CSM_ZBF_CMAP_ACL_35
 remark Store GUEST (access to internet/DMZ web servers)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381067
```

```
ip access-list extended CSM_ZBF_CMAP_ACL_37
 remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_81604381059 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381059
ip access-list extended CSM_ZBF_CMAP_ACL_4
 remark Data Center vSphere to UCS Express
 permit object-group CSM_INLINE_svc_rule_81604381003 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
 remark Data Center to Store Physical Security
 permit ip object-group CSM_INLINE_src_rule_81604381047 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
 remark Data Center WAAS to Store
 permit object-group CSM_INLINE_svc_rule_81604381051 object-group
CSM_INLINE_src_rule_81604381051 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in stores
 permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
 remark ---POS Applications---
 permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
 remark - Router user Authentication - Identifies TACACS Control traffic
 permit tcp any any eq tacacs
 permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
 remark ---Workbrain Application---
 remark --Large Store Clock Server to Central Clock Application
 permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
 remark --Large store Clock Server to CUAE
 permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
 remark ---LiteScape Application---
 permit ip any host 192.168.46.82
 permit ip any 239.192.0.0 0.0.0.255
 permit ip any host 239.255.255.250
 remark ---Remote Desktop---
 permit tcp any any eq 3389
 permit tcp any eq 3389 any
 remark ---Oracle SIM---
 permit tcp any 192.168.46.0 0.0.0.255 eq 7777
 permit tcp any 192.168.46.0 0.0.0.255 eq 6003
 permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
 permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
 permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
 permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
```

```
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
!
!
!
nls resp-timeout 1
cpd cr-id 1
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
mgcp fax t38 ecm
!
mgcp profile default
!
!
!
!
!
gatekeeper
 shutdown
!
!
banner exec C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
```

```
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner incoming C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY



!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication RETAIL
 no exec
 transport preferred none
 transport output none
line 67
 no activation-character
 no exec
 transport preferred none
 transport input ssh
 transport output none
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
```

```
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
exception data-corruption buffer truncate
scheduler allocate 20000 1000
ntp source Loopback0
ntp update-calendar
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end
```

r-a2-med-2

```
!
! Last configuration change at 23:30:34 PCTime Fri Apr 29 2011 by retail
! NVRAM config last updated at 23:30:35 PCTime Fri Apr 29 2011 by retail
!
version 15.1
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime msec localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
!
hostname R-A2-MED-2
!
boot-start-marker
boot system flash:c2951-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 500000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
 action-type start-stop
 group tacacs+
!
aaa accounting commands 15 default
 action-type start-stop
```

```
 group tacacs+
!
aaa accounting system default
 action-type start-stop
 group tacacs+
!
!
!
!
!
!
aaa session-id common
!
clock timezone PCTime -8 0
clock summer-time PCTime date Apr 6 2003 2:00 Oct 26 2003 2:00
!
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-104836678
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-104836678
 revocation-check none
!
!
crypto pki certificate chain TP-self-signed-104836678
 certificate self-signed 02
  <removed>
    quit
no ipv6 cef
no ip source-route
no ip gratuitous-arps
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip port-map user-8443 port tcp 8443
ip ips notify SDEE
ip ips name Retail-PCI
!
ip ips signature-category
  category all
   retired true
  category ios_ips default
   retired false
!
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect global
 WAAS enable
parameter-map type inspect Inspect-1
 audit-trail on
```

```
parameter-map type trend-global trend-glob-map
!
!
!
!
password encryption aes
voice-card 0
!
!
!
!
!
!
!
license udi pid CISCO2951/K9 sn <removed>
hw-module sm 1
!
hw-module sm 2
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
!
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 udp eq 5246
 udp eq 5247
!
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 tcp eq 4050
!
object-group network EMC-NCM
 description EMC Network Configuration Manager
 host 192.168.42.122
!
object-group network RSA-enVision
 description RSA EnVision Syslog collector and SIM
 host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_81604380995
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object EMC-NCM
 group-object RSA-enVision
!
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 host 192.168.42.131
!
object-group network RSA-AM
 description RSA Authentication Manager for SecureID
 host 192.168.42.137
!
object-group network NAC-1
 description ISE server for NAC
 host 192.168.42.111
!
```

```
object-group network CSM_INLINE_dst_rule_81604381001
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object ActiveDirectory.cisco-irn.com
 group-object TACACS
 group-object RSA-AM
 group-object NAC-1
!
object-group network NAC-2
 host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_81604381037
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object NAC-2
 group-object NAC-1
!
object-group network DC-ALL
 description All of the Data Center
 192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
 description all store networks
 10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_81604381039
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for stores
 host 192.168.43.21
 host 192.168.43.22
!
object-group network DC-Wifi-MSE
 description Mobility Service Engines
 host 192.168.43.31
 host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_81604381045
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
 host 192.168.44.111
!
object-group network MSP-DC-1
 description Data Center VSOM
 host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_81604381049
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_81604381059
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
```

```
!
object-group network CSM_INLINE_dst_rule_81604381067
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381071
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381150
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_dst_rule_81604381152
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network DC-Admin
 description DC Admin Systems
 host 192.168.41.101
 host 192.168.41.102
!
object-group network CSManager
 description Cisco Security Manager
 host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_81604380993
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object EMC-NCM
 group-object CSManager
!
object-group network DC-POS-Tomax
 description Tomax POS Communication from Store to Data Center
 192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
 description SAP POS Communication from Store to Data Center
 192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
 description Oracle POS Communication from Store to Data Center
 192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_81604381021
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381023
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381041
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
```

```
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_81604381043
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_81604381047
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network DC-WAAS
 description WAE Appliances in Data Center
 host 192.168.48.10
 host 192.168.49.10
 host 192.168.47.11
 host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_81604381051
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object DC-Admin
 group-object DC-WAAS
!
object-group network CSM_INLINE_src_rule_81604381150
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_src_rule_81604381152
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 10.10.126.0 255.255.255.0
 10.10.110.0 255.255.255.0
!
object-group service CSM_INLINE_svc_rule_81604380993
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
!
object-group service CSM_INLINE_svc_rule_81604380995
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq syslog
 udp eq snmp
 udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_81604381001
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq tacacs
 udp eq 1812
 udp eq 1813
 tcp eq 389
 tcp eq 636
!
object-group service vCenter-to-ESX4
 description Communication from vCetner to ESX hosts
 tcp eq 5989
 tcp eq 8000
 tcp eq 902
 tcp eq 903
```

```
!
object-group service CSM_INLINE_svc_rule_81604381003
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq 22
 group-object vCenter-to-ESX4
!
object-group service ESX-SLP
 description CIM Service Location Protocol (SLP) for VMware systems
 udp eq 427
 tcp eq 427
!
object-group service CSM_INLINE_svc_rule_81604381005
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object vCenter-to-ESX4
 group-object ESX-SLP
!
object-group service ORACLE-RMI
 description RMI TCP ports 1300 and 1301-1319.
 tcp range 1300 1319
!
object-group service ORACLE-Weblogic
 description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
 tcp eq 7001
 tcp eq 7002
 tcp eq 1521
!
object-group service ORACLE-WAS
 description RMI/IIOP over 2809  HTTP over 9443 IBM-MQ 1414
 tcp eq 2809
 tcp eq 9443
 tcp eq 1414
!
object-group service ORACLE-OAS
 description OAS uses one port for HTTP and RMI - 12601.
 tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_81604381009
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_81604381011
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service HTTPS-8443
 tcp eq 8443
!
```

```
object-group service CSM_INLINE_svc_rule_81604381013
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381015
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service TOMAX-8990
 description Tomax Application Port
 tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_81604381017
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_81604381019
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service ICMP-Requests
 description ICMP requests
 icmp information-request
 icmp mask-request
 icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_81604381021
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381023
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381025
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
```

```
 tcp eq pop3
 tcp eq 143
!
object-group service CSM_INLINE_svc_rule_81604381027
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381029
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 udp
 tcp eq 443
!
object-group service DNS-Resolving
 description Domain Name Server
 tcp eq domain
 udp eq domain
!
object-group service CSM_INLINE_svc_rule_81604381035
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq bootps
 group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_81604381037
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381039
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service CSM_INLINE_svc_rule_81604381041
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service LWAPP
 description LWAPP UDP ports 12222 and 12223
 udp eq 12222
 udp eq 12223
!
object-group service TFTP
 description Trivial File Transfer
 tcp eq 69
 udp eq tftp
!
object-group service IP-Protocol-97
 description IP protocol 97
 97
!
```

```
object-group service CSM_INLINE_svc_rule_81604381043
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq 443
 tcp eq www
 tcp eq 22
 tcp eq telnet
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object TFTP
 group-object IP-Protocol-97
!
object-group service Cisco-Mobility
 description Mobility ports for Wireless
 udp eq 16666
 udp eq 16667
!
object-group service CSM_INLINE_svc_rule_81604381045
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object Cisco-Mobility
 group-object IP-Protocol-97
!
object-group service Microsoft-DS-SMB
 description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
 tcp eq 445
!
object-group service CSM_INLINE_svc_rule_81604381051
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381053
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381055
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp
 tcp eq 139
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381057
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 icmp
 tcp-udp eq 5060
 tcp eq 2000
 tcp eq www
 tcp eq 443
```

```
 group-object TFTP
!
object-group service CSM_INLINE_svc_rule_81604381059
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp-udp eq 5060
 tcp eq 2000
!
object-group service CSM_INLINE_svc_rule_81604381061
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381063
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group service Netbios
 description Netbios Servers
 udp eq netbios-dgm
 udp eq netbios-ns
 tcp eq 139
!
object-group service ORACLE-SIM
 description Oracle Store Inventory Management
 tcp eq 7777
 tcp eq 6003
 tcp range 12401 12500
!
object-group service RDP
 description Windows Remote Desktop
 tcp eq 3389
!
object-group service Workbrain
 tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_81604381065
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
 tcp eq ftp
 tcp eq www
 tcp eq 443
 udp eq 88
 tcp-udp eq 42
 group-object Microsoft-DS-SMB
 group-object Netbios
 group-object ORACLE-SIM
 group-object RDP
 group-object Workbrain
!
object-group network DC-Applications
 description Applications in the Data Center that are non-PCI related(Optimized by
CS-Manager)
 192.168.180.0 255.255.254.0
!
object-group network DC-Voice
 description Data Center Voice
 192.168.45.0 255.255.255.0
```

```
!
object-group network MS-Update
 description Windows Update Server
 host 192.168.42.150
!
object-group network MSExchange
 description Mail Server
 host 192.168.42.140
!
object-group service NTP
 description NTP Protocols
 tcp eq 123
 udp eq ntp
!
object-group network NTP-Servers
 description NTP Servers
 host 192.168.62.161
 host 162.168.62.162
!
object-group network STORE-POS
 10.10.0.0 255.255.0.0
!
object-group network vSphere-1
 description vSphere server for Lab
 host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
redundancy
!
!
!
!
ip tcp synwait-time 10
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
 match protocol http
 match protocol https
 match protocol microsoft-ds
 match protocol ms-sql
 match protocol ms-sql-m
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol oracle
 match protocol oracle-em-vp
 match protocol oraclenames
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
 match access-group name CSM_ZBF_CMAP_ACL_10
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
 match protocol http
 match protocol https
 match protocol tcp
 match protocol udp
```

```
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
 match access-group name CSM_ZBF_CMAP_ACL_23
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
 match protocol http
 match protocol https
 match protocol imap3
 match protocol pop3
 match protocol pop3s
 match protocol smtp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
 match access-group name CSM_ZBF_CMAP_ACL_32
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
 match access-group name CSM_ZBF_CMAP_ACL_11
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
 match protocol http
 match protocol https
 match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
 match access-group name CSM_ZBF_CMAP_ACL_22
 match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol ftp
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
 match access-group name CSM_ZBF_CMAP_ACL_33
 match class-map CSM_ZBF_CMAP_PLMAP_20
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tftp
 match protocol http
 match protocol https
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
 match access-group name CSM_ZBF_CMAP_ACL_12
 match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
 match protocol https
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
 match access-group name CSM_ZBF_CMAP_ACL_21
 match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
 match protocol http
 match protocol https
 match protocol icmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
 match access-group name CSM_ZBF_CMAP_ACL_30
 match class-map CSM_ZBF_CMAP_PLMAP_19
```

```
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
 match access-group name CSM_ZBF_CMAP_ACL_13
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
 match access-group name CSM_ZBF_CMAP_ACL_20
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
 match protocol http
 match protocol https
 match protocol udp
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
 match access-group name CSM_ZBF_CMAP_ACL_31
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map match-all BRANCH-BULK-DATA
 match protocol tftp
 match protocol nfs
 match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
 match access-group name CSM_ZBF_CMAP_ACL_14
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
 match access-group name CSM_ZBF_CMAP_ACL_27
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
 match access-group name CSM_ZBF_CMAP_ACL_36
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
 match access-group name CSM_ZBF_CMAP_ACL_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
 match access-group name CSM_ZBF_CMAP_ACL_26
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
 match protocol tcp
 match protocol udp
 match protocol http
 match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_37
 match access-group name CSM_ZBF_CMAP_ACL_37
 match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
 match protocol syslog
 match protocol syslog-conn
 match protocol snmp
 match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
 match access-group name CSM_ZBF_CMAP_ACL_16
 match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
 match protocol http
 match protocol https
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
 match access-group name CSM_ZBF_CMAP_ACL_25
 match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
```

```
 match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
 match protocol ldaps
 match protocol ldap
 match protocol ldap-admin
 match protocol radius
 match protocol tacacs
 match protocol tacacs-ds
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
 match access-group name CSM_ZBF_CMAP_ACL_17
 match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
 match protocol http
 match protocol https
 match protocol netbios-ns
 match protocol netbios-dgm
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
 match access-group name CSM_ZBF_CMAP_ACL_24
 match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
 match access-group name CSM_ZBF_CMAP_ACL_35
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
 match protocol ntp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
 match access-group name CSM_ZBF_CMAP_ACL_18
 match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
 match protocol bootpc
 match protocol bootps
 match protocol udp
 match protocol tcp
 match protocol dns
 match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
 match access-group name CSM_ZBF_CMAP_ACL_19
 match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
 match access-group name CSM_ZBF_CMAP_ACL_29
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_38
 match access-group name CSM_ZBF_CMAP_ACL_38
 match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
 match access-group name CSM_ZBF_CMAP_ACL_28
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
 match protocol https
 match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
 match access-group name CSM_ZBF_CMAP_ACL_1
 match class-map CSM_ZBF_CMAP_PLMAP_1
```

```
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
 match access-group name CSM_ZBF_CMAP_ACL_3
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
 match protocol https
 match protocol http
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
 match access-group name CSM_ZBF_CMAP_ACL_2
 match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
 match access-group name CSM_ZBF_CMAP_ACL_5
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
 match protocol http
 match protocol https
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
 match access-group name CSM_ZBF_CMAP_ACL_4
 match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
 match access-group name CSM_ZBF_CMAP_ACL_7
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
 match access-group name CSM_ZBF_CMAP_ACL_6
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
 match access-group name CSM_ZBF_CMAP_ACL_9
 match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
 match protocol http
 match protocol https
 match protocol ssh
 match protocol telnet
 match protocol tftp
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
 match access-group name CSM_ZBF_CMAP_ACL_8
 match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
 match ip dscp af11  af12
class-map match-all INTERACTIVE-VIDEO
 match ip dscp af41  af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
 match protocol citrix
 match protocol ldap
 match protocol telnet
 match protocol sqlnet
 match protocol http url "*SalesReport*"
 match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
 match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
 match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
 match ip dscp 25
class-map match-any BRANCH-NET-MGMT
 match protocol snmp
 match protocol syslog
 match protocol dns
```

```
 match protocol icmp
 match protocol ssh
 match access-group name NET-MGMT-APPS
class-map match-all ROUTING
 match ip dscp cs6
class-map match-all SCAVENGER
 match ip dscp cs1
class-map match-all NET-MGMT
 match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
 match protocol gnutella
 match protocol fasttrack
 match protocol kazaa2
class-map match-any CALL-SIGNALING
 match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
 match ip dscp af21  af22
!
!
policy-map BRANCH-LAN-EDGE-OUT
 class class-default
policy-map BRANCH-WAN-EDGE
 class VOICE
  priority percent 18
 class INTERACTIVE-VIDEO
  priority percent 15
 class CALL-SIGNALING
  bandwidth percent 5
 class ROUTING
  bandwidth percent 3
 class NET-MGMT
  bandwidth percent 2
 class MISSION-CRITICAL-DATA
  bandwidth percent 15
  random-detect
 class TRANSACTIONAL-DATA
  bandwidth percent 12
  random-detect dscp-based
 class BULK-DATA
  bandwidth percent 4
  random-detect dscp-based
 class SCAVENGER
  bandwidth percent 1
 class class-default
  bandwidth percent 25
  random-detect
policy-map type inspect CSM_ZBF_POLICY_MAP_18
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_25
  inspect Inspect-1
```

```
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_23
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_25
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_32
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_36
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_37
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_24
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_24
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_34
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_35
  inspect Inspect-1
```

```
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_27
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_15
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_21
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_26
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_38
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
 class type inspect CSM_ZBF_CLASS_MAP_15
  pass
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_21
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_28
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
```

```
policy-map type inspect CSM_ZBF_POLICY_MAP_13
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_20
 class type inspect CSM_ZBF_CLASS_MAP_26
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_28
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_23
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_31
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_32
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_33
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
 class type inspect CSM_ZBF_CLASS_MAP_30
  inspect Inspect-1
```

```
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_9
 class type inspect CSM_ZBF_CLASS_MAP_13
  pass
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_12
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
 class type inspect CSM_ZBF_CLASS_MAP_9
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_10
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_11
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_8
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_7
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_5
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_4
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_2
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop
policy-map BRANCH-LAN-EDGE-IN
 class BRANCH-MISSION-CRITICAL
  set ip dscp 25
 class BRANCH-TRANSACTIONAL-DATA
  set ip dscp af21
 class BRANCH-NET-MGMT
  set ip dscp cs2
 class BRANCH-BULK-DATA
  set ip dscp af11
 class BRANCH-SCAVENGER
  set ip dscp cs1
!
zone security S_WAN
 description Store WAN Link
zone security S_R-2-R
 description Bridge link between routers
zone security LOOPBACK
 description Loopback interface
zone security S_MGMT
 description VLAN1000 Management
zone security S_Security
 description VLAN20 Physical Security Systems
zone security S_WAAS
 description VLAN19 WAAS optimization
zone security S_WLC-AP
 description VLAN18 Wireless Systems
zone security S_Data
 description VLAN12 Store Data
zone security S_Data-W
 description VLAN14 Store Wireless Data
zone security S_Guest
 description VLAN17 Guest/Public Wireless
zone security S_Voice
 description VLAN13 Store Voice
zone security S_Partners
 description VLAN16 Partner network
zone security S_POS
 description VLAN 11 POS Data
zone security S_POS-W
 description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
```

```
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_S_R-2-R-LOOPBACK_1 source S_R-2-R destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_R-2-R-S_MGMT_1 source S_R-2-R destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_R-2-R-S_Security_1 source S_R-2-R destination S_Security
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_R-2-R-S_WAAS_1 source S_R-2-R destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_R-2-R-S_WLC-AP_1 source S_R-2-R destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_R-2-R-self_1 source S_R-2-R destination self
 service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_S_R-2-R-S_Data_1 source S_R-2-R destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Data-W_1 source S_R-2-R destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Guest_1 source S_R-2-R destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_R-2-R-S_Partners_1 source S_R-2-R destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_POS_1 source S_R-2-R destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_POS-W_1 source S_R-2-R destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_Voice_1 source S_R-2-R destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_self-S_R-2-R_1 source self destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_R-2-R_1 source LOOPBACK destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_R-2-R_1 source S_MGMT destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_R-2-R_1 source S_Security destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
```

```
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_R-2-R_1 source S_WAAS destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_R-2-R_1 source S_WLC-AP destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-S_R-2-R_1 source S_POS destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_R-2-R_1 source S_POS-W destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_22
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-S_R-2-R_1 source S_Data destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_R-2-R_1 source S_Data-W destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Guest-S_R-2-R_1 source S_Guest destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Partners-S_R-2-R_1 source S_Partners destination S_R-2-R
```

```
 service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_26
zone-pair security CSM_S_Voice-S_R-2-R_1 source S_Voice destination S_R-2-R
 service-policy type inspect CSM_ZBF_POLICY_MAP_27
!
!
!
!
!
!
!
interface Loopback0
 ip address 10.10.126.2 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 ip address 10.10.254.112 255.255.255.0
 ip ips Retail-PCI in
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
interface GigabitEthernet0/1
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto
 media-type rj45
!
interface GigabitEthernet0/1.11
 description POS
 encapsulation dot1Q 11
 ip address 10.10.112.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_POS
 standby 11 ip 10.10.112.1
 standby 11 priority 99
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.12
 description DATA
 encapsulation dot1Q 12
 ip address 10.10.113.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in
 ip pim sparse-dense-mode
 zone-member security S_Data
 standby 12 ip 10.10.113.1
 standby 12 priority 99
 standby 12 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
```

```
interface GigabitEthernet0/1.13
 description VOICE
 encapsulation dot1Q 13
 ip address 10.10.114.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Voice
 standby 13 ip 10.10.114.1
 standby 13 priority 99
 standby 13 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.14
 description WIRELESS
 encapsulation dot1Q 14
 ip address 10.10.115.3 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Data-W
 standby 14 ip 10.10.115.1
 standby 14 priority 99
 standby 14 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.15
 description WIRELESS-POS
 encapsulation dot1Q 15
 ip address 10.10.116.3 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_POS-W
 standby 15 ip 10.10.116.1
 standby 15 priority 99
 standby 15 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.16
 description PARTNER
 encapsulation dot1Q 16
 ip address 10.10.117.3 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Partners
 standby 16 ip 10.10.117.1
 standby 16 priority 99
 standby 16 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.17
 description WIRELESS-GUEST
 encapsulation dot1Q 17
 ip address 10.10.118.3 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Guest
 standby 17 ip 10.10.118.1
 standby 17 priority 99
 standby 17 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.18
 description WIRELESS-CONTROL
 encapsulation dot1Q 18
 ip address 10.10.119.3 255.255.255.0
```

```
 ip helper-address 192.168.42.130
 zone-member security S_WLC-AP
 standby 18 ip 10.10.119.1
 standby 18 priority 99
 standby 18 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.19
 description WAAS
 encapsulation dot1Q 19
 ip address 10.10.120.3 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WAAS
 standby 19 ip 10.10.120.1
 standby 19 priority 99
 standby 19 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.20
 description SECURITY-SYSTEMS
 encapsulation dot1Q 20
 ip address 10.10.121.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Security
 standby 20 ip 10.10.121.1
 standby 20 priority 99
 standby 20 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.101
 description ROUTER LINK TO
 encapsulation dot1Q 101
 ip address 10.10.126.26 255.255.255.252
 ip pim sparse-dense-mode
 zone-member security S_R-2-R
 service-policy input BRANCH-LAN-EDGE-IN
!
interface GigabitEthernet0/1.1000
 description MANAGEMENT
 encapsulation dot1Q 1000
 ip address 10.10.127.3 255.255.255.0
 zone-member security S_MGMT
 standby 100 ip 10.10.127.1
 standby 100 priority 99
 standby 100 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/2
 no ip address
 duplex auto
 speed auto
!
interface GigabitEthernet0/2.102
 description ROUTER LINK TO
 encapsulation dot1Q 102
 ip address 10.10.126.30 255.255.255.252
 ip pim sparse-dense-mode
 zone-member security S_R-2-R
 service-policy input BRANCH-LAN-EDGE-IN
!
```

```
interface SM1/0
 description Video Survillance VMSS Module
 ip address 10.10.126.45 255.255.255.252
 zone-member security S_Security
 service-module ip address 10.10.126.46 255.255.255.252
 !Application: FNDN Running on SM
 service-module ip default-gateway 10.10.126.45
 hold-queue 60 out
!
interface SM1/1
 description Internal switch interface connected to Service Module
!
interface SM2/0
 ip address 10.10.126.50 255.255.255.252
 zone-member security S_MGMT
 service-module ip address 10.10.126.49 255.255.255.252
 !Application: SRE-V Running on SMV
 service-module ip default-gateway 10.10.126.50
 service-module mgf ip address 10.10.125.49 255.255.255.0
 hold-queue 60 out
!
interface SM2/1
 description Internal switch interface connected to Service Module
!
interface Vlan1
 description ESXi Host and Virtual Machines$ES_LAN$
 ip address 10.10.125.50 255.255.255.0
 zone-member security S_POS
!
!
router ospf 5
 router-id 10.10.126.2
 redistribute connected subnets
 passive-interface default
 no passive-interface GigabitEthernet0/1.101
 no passive-interface GigabitEthernet0/2.102
 network 10.10.0.0 0.0.255.255 area 10
 default-information originate
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.254.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
 remark ---File Transfer---
 permit tcp any any eq ftp
 permit tcp any any eq ftp-data
 remark ---E-mail traffic---
 permit tcp any any eq smtp
 permit tcp any any eq pop3
 permit tcp any any eq 143
 remark ---other EDM app protocols---
 permit tcp any any range 3460 3466
 permit tcp any range 3460 3466 any
 remark ---messaging services---
 permit tcp any any eq 2980
```

```
 permit tcp any eq 2980 any
 remark ---Microsoft file services---
 permit tcp any any range 137 139
 permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
 remark Data Center Mgmt to Devices
 permit object-group CSM_INLINE_svc_rule_81604380993 object-group
CSM_INLINE_src_rule_81604380993 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381011 object-group DC-POS-Oracle
object-group STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381015 object-group DC-POS-SAP object-group
STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381019 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381021 object-group
CSM_INLINE_src_rule_81604381021 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
 remark Data Center VOICE (wired and Wireless)
 permit object-group CSM_INLINE_svc_rule_81604381057 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
 permit ospf object-group CSM_INLINE_src_rule_81604381150 object-group
CSM_INLINE_dst_rule_81604381150
ip access-list extended CSM_ZBF_CMAP_ACL_14
 remark Store WAAS to Clients and Servers
 permit object-group CSM_INLINE_svc_rule_81604381055 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_15
 permit ospf object-group CSM_INLINE_src_rule_81604381152 object-group
CSM_INLINE_dst_rule_81604381152
ip access-list extended CSM_ZBF_CMAP_ACL_16
 remark Syslog and SNMP Alerts
 permit object-group CSM_INLINE_svc_rule_81604380995 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604380995
ip access-list extended CSM_ZBF_CMAP_ACL_17
 remark Store to Data Center Authentications
 permit object-group CSM_INLINE_svc_rule_81604381001 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381001
ip access-list extended CSM_ZBF_CMAP_ACL_18
 remark Store to Data Center for NTP
 permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_19
 remark Store to Data Center for DHCP and DNS
 permit object-group CSM_INLINE_svc_rule_81604381035 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_2
 remark Data Center subscribe to IPS SDEE events
 permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_81604381039 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381039
ip access-list extended CSM_ZBF_CMAP_ACL_21
 remark Store UCS Express to Data Center vShphere
 permit object-group CSM_INLINE_svc_rule_81604381005 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_22
 remark Store NAC
```

```
 permit object-group CSM_INLINE_svc_rule_81604381037 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381037
ip access-list extended CSM_ZBF_CMAP_ACL_23
 remark Store to Data Center Physical Security
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381049
ip access-list extended CSM_ZBF_CMAP_ACL_24
 remark Store WAAS (WAAS Devices need their own zone)
 permit object-group CSM_INLINE_svc_rule_81604381053 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_25
 remark Store to Data Center wireless controller traffic
 permit object-group CSM_INLINE_svc_rule_81604381045 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381045
ip access-list extended CSM_ZBF_CMAP_ACL_26
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381009 object-group STORE-POS object-group
DC-POS-Oracle
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381013 object-group STORE-POS object-group
DC-POS-SAP
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381017 object-group STORE-POS object-group
DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_27
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381023 object-group
CSM_INLINE_src_rule_81604381023 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_28
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_81604381025 object-group STORE-POS object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_29
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_81604381027 object-group STORE-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_81604381041 object-group
CSM_INLINE_src_rule_81604381041 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Permit POS clients to talk to store POS server
 permit object-group CSM_INLINE_svc_rule_81604381029 object-group STORE-POS object-group
STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_31
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_81604381061 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_32
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_81604381063 object-group Stores-ALL object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_33
 remark Store DATA (wired and Wireless - Access to DC Other applications)
 permit object-group CSM_INLINE_svc_rule_81604381065 object-group Stores-ALL object-group
DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_34
 remark Store GUEST - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381071
ip access-list extended CSM_ZBF_CMAP_ACL_35
 remark Store GUEST (access to internet/DMZ web servers)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381067
```

```
ip access-list extended CSM_ZBF_CMAP_ACL_37
 remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_81604381059 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381059
ip access-list extended CSM_ZBF_CMAP_ACL_4
 remark Data Center vSphere to UCS Express
 permit object-group CSM_INLINE_svc_rule_81604381003 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
 remark Data Center to Store Physical Security
 permit ip object-group CSM_INLINE_src_rule_81604381047 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
 remark Data Center WAAS to Store
 permit object-group CSM_INLINE_svc_rule_81604381051 object-group
CSM_INLINE_src_rule_81604381051 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in stores
 permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
 remark ---POS Applications---
 permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
 remark - Router user Authentication - Identifies TACACS Control traffic
 permit tcp any any eq tacacs
 permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
 remark ---Workbrain Application---
 remark --Large Store Clock Server to Central Clock Application
 permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
 remark --Large store Clock Server to CUAE
 permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
 remark ---LiteScape Application---
 permit ip any host 192.168.46.82
 permit ip any 239.192.0.0 0.0.0.255
 permit ip any host 239.255.255.250
 remark ---Remote Desktop---
 permit tcp any any eq 3389
 permit tcp any eq 3389 any
 remark ---Oracle SIM---
 permit tcp any 192.168.46.0 0.0.0.255 eq 7777
 permit tcp any 192.168.46.0 0.0.0.255 eq 6003
 permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
 permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
 permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
 permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
```

```
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
!
!
!
nls resp-timeout 1
cpd cr-id 1
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
mgcp profile default
!
!
!
!
!
gatekeeper
 shutdown
!
!
banner exec
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
```

```
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication RETAIL
 no exec
 transport preferred none
 transport output none
line 67
 no activation-character
 no exec
 transport preferred none
 transport input ssh
 transport output none
 stopbits 1
line 131
 no activation-character
 no exec
 transport preferred none
 transport input ssh
 transport output none
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
```

```
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
scheduler allocate 20000 1000
scheduler interval 500
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end
```

r-a2-mini-1

```
!
! Last configuration change at 00:50:32 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 00:50:35 PST Sat Apr 30 2011 by retail
!
version 15.1
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 year
service password-encryption
service sequence-numbers
!
hostname R-A2-Mini-1
!
boot-start-marker
boot system flash0 c1900-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
 action-type start-stop
 group tacacs+
!
aaa accounting commands 15 default
```

```
 action-type start-stop
 group tacacs+
!
aaa accounting system default
 action-type start-stop
 group tacacs+
!
!
!
!
!
!
aaa session-id common
!
clock timezone PST -8 0
clock summer-time PST recurring
service-module wlan-ap 0 bootimage autonomous
!
no ipv6 cef
no ip source-route
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip port-map user-8443 port tcp 8443
ip inspect log drop-pkt
ip inspect audit-trail
ip ips config location flash0: retries 1 timeout 1
ip ips notify SDEE
ip ips name Store-IPS
!
ip ips signature-category
  category all
   retired true
  category ios_ips default
   retired false
!
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect Inspect-1
 audit-trail on
parameter-map type inspect global
 WAAS enable

parameter-map type trend-global trend-glob-map
password encryption aes
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-1721465088
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1721465088
```

```
 revocation-check none
 rsakeypair TP-self-signed-1721465088
!
!
crypto pki certificate chain TP-self-signed-1721465088
 certificate self-signed 01
  <removed>
    quit
license udi pid CISCO1941W-A/K9 sn <removed>
hw-module ism 0
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
!
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 udp eq 5246
 udp eq 5247
!
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 tcp eq 4050
!
object-group network DC-ALL
 description All of the Data Center
 192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
 description all store networks
 10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_68719541425
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for stores
 host 192.168.43.21
 host 192.168.43.22
!
object-group network DC-Wifi-MSE
 description Mobility Service Engines
 host 192.168.43.31
 host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_68719541431
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
```

```
 host 192.168.44.111
!
object-group network MSP-DC-1
 description Data Center VSOM
 host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_68719541435
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_68719541457
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541461
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541465
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network EMC-NCM
 description EMC Network Configuration Manager
 host 192.168.42.122
!
object-group network RSA-enVision
 description RSA EnVision Syslog collector and SIM
 host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_73014451187
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object EMC-NCM
 group-object RSA-enVision
!
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 host 192.168.42.131
!
object-group network RSA-AM
 description RSA Authentication Manager for SecureID
 host 192.168.42.137
!
object-group network NAC-1
 description ISE server for NAC
 host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_73014451193
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object ActiveDirectory.cisco-irn.com
 group-object TACACS
 group-object RSA-AM
 group-object NAC-1
!
object-group network NAC-2
 host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_73014451223
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object NAC-2
```

```
 group-object NAC-1
!
object-group network DC-Admin
 description DC Admin Systems
 host 192.168.41.101
 host 192.168.41.102
!
object-group network CSManager
 description Cisco Security Manager
 host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_68719541409
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object EMC-NCM
 group-object CSManager
!
object-group network CSM_INLINE_src_rule_68719541427
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_68719541429
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_68719541433
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network DC-WAAS
 description WAE Appliances in Data Center
 host 192.168.48.10
 host 192.168.49.10
 host 192.168.47.11
 host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_68719541437
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object DC-WAAS
!
object-group network DC-POS-Tomax
 description Tomax POS Communication from Store to Data Center
 192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
 description SAP POS Communication from Store to Data Center
 192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
 description Oracle POS Communication from Store to Data Center
 192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_73014451215
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
```

```
object-group network CSM_INLINE_src_rule_73014451217
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group service CSM_INLINE_svc_rule_68719541409
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
!
object-group service CSM_INLINE_svc_rule_68719541425
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service CSM_INLINE_svc_rule_68719541427
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service LWAPP
 description LWAPP UDP ports 12222 and 12223
 udp eq 12222
 udp eq 12223
!
object-group service TFTP
 description Trivial File Transfer
 tcp eq 69
 udp eq tftp
!
object-group service IP-Protocol-97
 description IP protocol 97
 97
!
object-group service CSM_INLINE_svc_rule_68719541429
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq www
 tcp eq 22
 tcp eq telnet
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object TFTP
 group-object IP-Protocol-97
!
object-group service Cisco-Mobility
 description Mobility ports for Wireless
 udp eq 16666
 udp eq 16667
!
object-group service CSM_INLINE_svc_rule_68719541431
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
```

```
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object Cisco-Mobility
 group-object IP-Protocol-97
!
object-group service HTTPS-8443
 tcp eq 8443
!
object-group service Microsoft-DS-SMB
 description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
 tcp eq 445
!
object-group service CSM_INLINE_svc_rule_68719541437
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541439
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541455
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp
 tcp-udp eq 5060
 tcp eq 2000
 tcp eq www
 tcp eq 443
 group-object TFTP
!
object-group service CSM_INLINE_svc_rule_68719541457
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp-udp eq 5060
 tcp eq 2000
!
object-group service Netbios
 description Netbios Servers
 udp eq netbios-dgm
 udp eq netbios-ns
 tcp eq 139
!
object-group service ORACLE-SIM
 description Oracle Store Inventory Management
 tcp eq 7777
 tcp eq 6003
 tcp range 12401 12500
!
object-group service RDP
 description Windows Remote Desktop
 tcp eq 3389
!
object-group service Workbrain
```

```
 tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_68719541459
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq ftp
 tcp eq www
 tcp eq 443
 udp eq 88
 tcp-udp eq 42
 group-object Microsoft-DS-SMB
 group-object Netbios
 group-object ORACLE-SIM
 group-object RDP
 group-object Workbrain
!
object-group service CSM_INLINE_svc_rule_73014451187
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 udp eq syslog
 udp eq snmp
 udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_73014451193
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq tacacs
 udp eq 1812
 udp eq 1813
 tcp eq 389
 tcp eq 636
!
object-group service vCenter-to-ESX4
 description Communication from vCetner to ESX hosts
 tcp eq 5989
 tcp eq 8000
 tcp eq 902
 tcp eq 903
!
object-group service CSM_INLINE_svc_rule_73014451195
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq 22
 group-object vCenter-to-ESX4
!
object-group service ESX-SLP
 description CIM Service Location Protocol (SLP) for VMware systems
 udp eq 427
 tcp eq 427
!
object-group service CSM_INLINE_svc_rule_73014451197
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 group-object vCenter-to-ESX4
 group-object ESX-SLP
!
object-group service ORACLE-RMI
 description RMI TCP ports 1300 and 1301-1319.
 tcp range 1300 1319
!
object-group service ORACLE-Weblogic
```

```
 description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
 tcp eq 7001
 tcp eq 7002
 tcp eq 1521
!
object-group service ORACLE-WAS
 description RMI/IIOP over 2809  HTTP over 9443 IBM-MQ 1414
 tcp eq 2809
 tcp eq 9443
 tcp eq 1414
!
object-group service ORACLE-OAS
 description OAS uses one port for HTTP and RMI - 12601.
 tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_73014451203
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_73014451205
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_73014451207
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451209
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service TOMAX-8990
 description Tomax Application Port
 tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_73014451211
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_73014451213
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 group-object TOMAX-8990
```

```
!
object-group service ICMP-Requests
 description ICMP requests
 icmp information-request
 icmp mask-request
 icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_73014451215
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_73014451217
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service DNS-Resolving
 description Domain Name Server
 tcp eq domain
 udp eq domain
!
object-group service CSM_INLINE_svc_rule_73014451221
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 udp eq bootps
 group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_73014451223
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451388
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 tcp eq 139
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_73014451393
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group service CSM_INLINE_svc_rule_73014451395
```

```
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451397
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 udp
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451404
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451406
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group network DC-Applications
 description Applications in the Data Center that are non-PCI related(Optimized by
CS-Manager)
 192.168.180.0 255.255.254.0
!
object-group network DC-Voice
 description Data Center Voice
 192.168.45.0 255.255.255.0
!
object-group network MS-Update
 description Windows Update Server
 host 192.168.42.150
!
object-group network MSExchange
 description Mail Server
 host 192.168.42.140
!
object-group service NTP
 description NTP Protocols
 tcp eq 123
 udp eq ntp
!
object-group network NTP-Servers
 description NTP Servers
 host 192.168.62.161
 host 162.168.62.162
!
object-group network STORE-POS
 10.10.0.0 255.255.0.0
!
object-group network vSphere-1
 description vSphere server for Lab
 host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
```

```
!
redundancy
!
!
!
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
 match protocol http
 match protocol https
 match protocol microsoft-ds
 match protocol ms-sql
 match protocol ms-sql-m
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol oracle
 match protocol oracle-em-vp
 match protocol oraclenames
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
 match access-group name CSM_ZBF_CMAP_ACL_10
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
 match protocol http
 match protocol https
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
 match access-group name CSM_ZBF_CMAP_ACL_23
 match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
 match access-group name CSM_ZBF_CMAP_ACL_32
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
 match access-group name CSM_ZBF_CMAP_ACL_11
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
 match access-group name CSM_ZBF_CMAP_ACL_22
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
 match protocol http
 match protocol https
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
 match access-group name CSM_ZBF_CMAP_ACL_33
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
 match protocol sip
 match protocol sip-tls
 match protocol skinny
```

```
 match protocol tftp
 match protocol http
 match protocol https
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
 match access-group name CSM_ZBF_CMAP_ACL_12
 match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
 match protocol http
 match protocol https
 match protocol netbios-ns
 match protocol netbios-dgm
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
 match access-group name CSM_ZBF_CMAP_ACL_21
 match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
 match protocol http
 match protocol https
 match protocol imap3
 match protocol pop3
 match protocol pop3s
 match protocol smtp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
 match access-group name CSM_ZBF_CMAP_ACL_30
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
 match protocol syslog
 match protocol syslog-conn
 match protocol snmp
 match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
 match access-group name CSM_ZBF_CMAP_ACL_13
 match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
 match access-group name CSM_ZBF_CMAP_ACL_20
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol ftp
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
 match access-group name CSM_ZBF_CMAP_ACL_31
 match class-map CSM_ZBF_CMAP_PLMAP_20
class-map match-all BRANCH-BULK-DATA
 match protocol tftp
 match protocol nfs
 match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
 match protocol ldaps
 match protocol ldap
 match protocol ldap-admin
 match protocol radius
 match protocol tacacs
```

```
 match protocol tacacs-ds
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
 match access-group name CSM_ZBF_CMAP_ACL_14
 match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
 match protocol http
 match protocol https
 match protocol udp
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
 match access-group name CSM_ZBF_CMAP_ACL_27
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
 match access-group name CSM_ZBF_CMAP_ACL_36
 match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
 match protocol ntp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
 match access-group name CSM_ZBF_CMAP_ACL_15
 match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
 match access-group name CSM_ZBF_CMAP_ACL_26
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
 match protocol bootpc
 match protocol bootps
 match protocol udp
 match protocol tcp
 match protocol dns
 match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
 match access-group name CSM_ZBF_CMAP_ACL_16
 match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
 match access-group name CSM_ZBF_CMAP_ACL_25
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
 match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
 match access-group name CSM_ZBF_CMAP_ACL_17
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
 match access-group name CSM_ZBF_CMAP_ACL_24
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
 match protocol tcp
 match protocol udp
 match protocol http
 match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
 match access-group name CSM_ZBF_CMAP_ACL_35
 match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
 match protocol https
 match protocol tcp
```

```
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
 match access-group name CSM_ZBF_CMAP_ACL_18
 match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
 match protocol http
 match protocol https
 match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
 match access-group name CSM_ZBF_CMAP_ACL_19
 match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
 match access-group name CSM_ZBF_CMAP_ACL_29
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
 match protocol http
 match protocol https
 match protocol icmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
 match access-group name CSM_ZBF_CMAP_ACL_28
 match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
 match protocol https
 match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
 match access-group name CSM_ZBF_CMAP_ACL_1
 match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
 match access-group name CSM_ZBF_CMAP_ACL_3
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
 match protocol https
 match protocol http
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
 match access-group name CSM_ZBF_CMAP_ACL_2
 match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
 match access-group name CSM_ZBF_CMAP_ACL_5
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
 match protocol http
 match protocol https
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
 match access-group name CSM_ZBF_CMAP_ACL_4
 match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
 match access-group name CSM_ZBF_CMAP_ACL_7
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
 match access-group name CSM_ZBF_CMAP_ACL_6
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
 match access-group name CSM_ZBF_CMAP_ACL_9
 match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
 match protocol http
 match protocol https
 match protocol ssh
 match protocol telnet
```

```
 match protocol tftp
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
 match access-group name CSM_ZBF_CMAP_ACL_8
 match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
 match ip dscp af11  af12
class-map match-all INTERACTIVE-VIDEO
 match ip dscp af41  af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
 match protocol citrix
 match protocol ldap
 match protocol telnet
 match protocol sqlnet
 match protocol http url "*SalesReport*"
 match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
 match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
 match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
 match ip dscp 25
class-map match-any BRANCH-NET-MGMT
 match protocol snmp
 match protocol syslog
 match protocol dns
 match protocol icmp
 match protocol ssh
 match access-group name NET-MGMT-APPS
class-map match-all ROUTING
 match ip dscp cs6
class-map match-all SCAVENGER
 match ip dscp cs1
class-map match-all NET-MGMT
 match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
 match protocol gnutella
 match protocol fasttrack
 match protocol kazaa2
class-map match-any CALL-SIGNALING
 match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
 match ip dscp af21  af22
!
!
policy-map type inspect CSM_ZBF_POLICY_S_Security_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data-W_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAN_S_Guest
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAN_S_Data-W
```

```
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Voice_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Guest_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_MGMT_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_LOOPBACK_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_POS-W
 class class-default
  drop log
policy-map BRANCH-LAN-EDGE-OUT
 class class-default
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_Partners
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_POS
 class class-default
  drop log
policy-map BRANCH-WAN-EDGE
 class VOICE
  priority percent 18
 class INTERACTIVE-VIDEO
  priority percent 15
 class CALL-SIGNALING
  bandwidth percent 5
 class ROUTING
  bandwidth percent 3
 class NET-MGMT
  bandwidth percent 2
 class MISSION-CRITICAL-DATA
  bandwidth percent 15
  random-detect
 class TRANSACTIONAL-DATA
  bandwidth percent 12
  random-detect dscp-based
 class BULK-DATA
  bandwidth percent 4
  random-detect dscp-based
 class SCAVENGER
  bandwidth percent 1
 class class-default
  bandwidth percent 25
  random-detect
policy-map type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_18
 class type inspect CSM_ZBF_CLASS_MAP_28
```

```
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_30
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_31
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
 class type inspect CSM_ZBF_CLASS_MAP_24
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_25
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_26
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
 class type inspect CSM_ZBF_CLASS_MAP_25
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_26
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_15
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_23
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_21
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_30
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_34
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_35
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_S_MGMT_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_13
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_21
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_20
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
```

```
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_32
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_33
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_36
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Voice_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Guest_S_POS-W
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_9
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_12
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
 class type inspect CSM_ZBF_CLASS_MAP_9
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_10
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_11
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_8
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_7
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_5
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_4
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_2
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
```

```
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_S_Partners_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Security_S_POS
 class class-default
  drop log
policy-map BRANCH-LAN-EDGE-IN
 class BRANCH-MISSION-CRITICAL
  set ip dscp 25
 class BRANCH-TRANSACTIONAL-DATA
  set ip dscp af21
 class BRANCH-NET-MGMT
  set ip dscp cs2
 class BRANCH-BULK-DATA
  set ip dscp af11
 class BRANCH-SCAVENGER
  set ip dscp cs1
policy-map type inspect CSM_ZBF_POLICY_S_Data_S_POS
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data-W_S_POS-W
 class class-default
  drop log
!
zone security S_WAN
 description Store WAN Link
zone security LOOPBACK
 description Loopback interface
zone security S_MGMT
 description VLAN1000 Management
zone security S_Security
 description VLAN20 Physical Security Systems
zone security S_WAAS
 description VLAN19 WAAS optimization
zone security S_WLC-AP
 description VLAN18 Wireless Systems
zone security S_Data
 description VLAN12 Store Data
zone security S_Data-W
 description VLAN14 Store Wireless Data
zone security S_Guest
 description VLAN17 Guest/Public Wireless
zone security S_Voice
 description VLAN13 Store Voice
zone security S_Partners
 description VLAN16 Partner network
zone security S_POS
 description VLAN 11 POS Data
zone security S_POS-W
 description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
```

```
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_S_WAN_S_Data-W
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_S_WAN_S_Guest
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_LOOPBACK_S_POS-W
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_MGMT_S_POS
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_MGMT_S_POS-W
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Security_S_POS
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_Security_S_POS-W
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_POS
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_POS-W
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_Partners
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS-W
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Data_S_POS
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_Data_S_POS-W
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Data-W_S_POS
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
```

```
 service-policy type inspect CSM_ZBF_POLICY_S_Data-W_S_POS-W
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Guest_S_POS
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_Guest_S_POS-W
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Partners_S_POS
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_S_Voice_S_POS
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_S_Voice_S_POS-W
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_22
!
!
!
!
!
!
!
interface Loopback0
 ip address 10.10.158.1 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 ip address 10.10.255.144 255.255.255.0
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
interface wlan-ap0
 description Service module interface to manage the embedded AP
 ip address 10.10.158.33 255.255.255.252
 zone-member security S_WLC-AP
 service-module ip address 10.10.158.34 255.255.255.252
 service-module ip default-gateway 10.10.158.33
 arp timeout 0
 no mop enabled
 no mop sysid
!
interface GigabitEthernet0/1
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto
!
interface GigabitEthernet0/1.11
 description POS
 encapsulation dot1Q 11
 ip address 10.10.144.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
```

```
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS
 standby 11 ip 10.10.144.1
 standby 11 priority 101
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.12
 description DATA
 encapsulation dot1Q 12
 ip address 10.10.145.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in
 ip pim sparse-dense-mode
 zone-member security S_Data
 standby 12 ip 10.10.145.1
 standby 12 priority 101
 standby 12 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.13
 description VOICE
 encapsulation dot1Q 13
 ip address 10.10.146.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Voice
 standby 13 ip 10.10.146.1
 standby 13 priority 101
 standby 13 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.14
 description WIRELESS
 encapsulation dot1Q 14
 ip address 10.10.147.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Data-W
 standby 14 ip 10.10.147.1
 standby 14 priority 101
 standby 14 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.15
 description WIRELESS-POS
 encapsulation dot1Q 15
 ip address 10.10.148.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS-W
 standby 15 ip 10.10.148.1
 standby 15 priority 101
 standby 15 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.16
 description PARTNER
```

```
 encapsulation dot1Q 16
 ip address 10.10.149.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Partners
 standby 16 ip 10.10.149.1
 standby 16 priority 101
 standby 16 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.17
 description WIRELESS-GUEST
 encapsulation dot1Q 17
 ip address 10.10.150.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Guest
 standby 17 ip 10.10.150.1
 standby 17 priority 101
 standby 17 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.18
 description WIRELESS-CONTROL
 encapsulation dot1Q 18
 ip address 10.10.151.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WLC-AP
 standby 18 ip 10.10.151.1
 standby 18 priority 101
 standby 18 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.19
 description WAAS
 encapsulation dot1Q 19
 ip address 10.10.152.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WAAS
 standby 19 ip 10.10.152.1
 standby 19 priority 101
 standby 19 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.20
 zone-member security S_Security
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.1000
 description MANAGEMENT
 encapsulation dot1Q 1000
 ip address 10.10.159.2 255.255.255.0
 zone-member security S_MGMT
 standby 100 ip 10.10.159.1
 standby 100 priority 101
 standby 100 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Wlan-GigabitEthernet0/0
 description Internal switch interface connecting to the embedded AP
 zone-member security S_WLC-AP
```

```
 service-module ip address 10.10.158.34 255.255.255.252
 service-module ip default-gateway 10.10.158.33
!
interface Vlan1
 no ip address
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS
!
interface Vlan15
 no ip address
 zone-member security S_POS-W
!
interface Vlan1000
 no ip address
 zone-member security S_MGMT
!
router ospf 5
 router-id 10.10.158.1
 passive-interface default
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.255.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
 remark ---File Transfer---
 permit tcp any any eq ftp
 permit tcp any any eq ftp-data
 remark ---E-mail traffic---
 permit tcp any any eq smtp
 permit tcp any any eq pop3
 permit tcp any any eq 143
 remark ---other EDM app protocols---
 permit tcp any any range 3460 3466
 permit tcp any range 3460 3466 any
 remark ---messaging services---
 permit tcp any any eq 2980
 permit tcp any eq 2980 any
 remark ---Microsoft file services---
 permit tcp any any range 137 139
 permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
 remark Data Center Mgmt to Devices
 permit object-group CSM_INLINE_svc_rule_68719541409 object-group
CSM_INLINE_src_rule_68719541409 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451205 object-group DC-POS-Oracle
object-group STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451209 object-group DC-POS-SAP object-group
STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451213 object-group DC-POS-Tomax
object-group STORE-POS
```

```
ip access-list extended CSM_ZBF_CMAP_ACL_11
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451215 object-group
CSM_INLINE_src_rule_73014451215 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
 remark Data Center VOICE (wired and Wireless)
 permit object-group CSM_INLINE_svc_rule_68719541455 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
 remark Syslog and SNMP Alerts
 permit object-group CSM_INLINE_svc_rule_73014451187 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451187
ip access-list extended CSM_ZBF_CMAP_ACL_14
 remark Store to Data Center Authentications
 permit object-group CSM_INLINE_svc_rule_73014451193 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451193
ip access-list extended CSM_ZBF_CMAP_ACL_15
 remark Store to Data Center for NTP
 permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_16
 remark Store to Data Center for DHCP and DNS
 permit object-group CSM_INLINE_svc_rule_73014451221 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_17
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_68719541425 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541425
ip access-list extended CSM_ZBF_CMAP_ACL_18
 remark Store UCS Express to Data Center vShphere
 permit object-group CSM_INLINE_svc_rule_73014451197 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_19
 remark Store NAC
 permit object-group CSM_INLINE_svc_rule_73014451223 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451223
ip access-list extended CSM_ZBF_CMAP_ACL_2
 remark Data Center subscribe to IPS SDEE events
 permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
 remark Store to Data Center Physical Security
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541435
ip access-list extended CSM_ZBF_CMAP_ACL_21
 remark Store WAAS (WAAS Devices need their own zone)
 permit object-group CSM_INLINE_svc_rule_68719541439 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_22
 remark Store WAAS to Clients and Servers
 permit object-group CSM_INLINE_svc_rule_73014451388 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_23
 remark Store to Data Center wireless controller traffic
 permit object-group CSM_INLINE_svc_rule_68719541431 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541431
ip access-list extended CSM_ZBF_CMAP_ACL_24
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451203 object-group STORE-POS object-group
DC-POS-Oracle
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451207 object-group STORE-POS object-group
DC-POS-SAP
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451211 object-group STORE-POS object-group
DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_25
```

```
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451217 object-group
CSM_INLINE_src_rule_73014451217 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_26
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_73014451393 object-group STORE-POS object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_27
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_73014451395 object-group STORE-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_28
 remark Permit POS clients to talk to store POS server
 permit object-group CSM_INLINE_svc_rule_73014451397 object-group STORE-POS object-group
STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_29
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_73014451404 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_68719541427 object-group
CSM_INLINE_src_rule_68719541427 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_73014451406 object-group Stores-ALL object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_31
 remark Store DATA (wired and Wireless - Access to DC Other applications)
 permit object-group CSM_INLINE_svc_rule_68719541459 object-group Stores-ALL object-group
DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_32
 remark Store GUEST - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541465
ip access-list extended CSM_ZBF_CMAP_ACL_33
 remark Store GUEST (access to internet/DMZ web servers)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_34
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541461
ip access-list extended CSM_ZBF_CMAP_ACL_35
 remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_68719541457 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541457
ip access-list extended CSM_ZBF_CMAP_ACL_4
 remark Data Center vSphere to UCS Express
 permit object-group CSM_INLINE_svc_rule_73014451195 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
 remark Data Center to Store Physical Security
 permit ip object-group CSM_INLINE_src_rule_68719541433 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
 remark Data Center WAAS to Store
 permit object-group CSM_INLINE_svc_rule_68719541437 object-group
CSM_INLINE_src_rule_68719541437 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in stores
```

```
 permit object-group CSM_INLINE_svc_rule_68719541429 object-group
CSM_INLINE_src_rule_68719541429 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
 remark ---POS Applications---
 permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
 remark - Router user Authentication - Identifies TACACS Control traffic
 permit tcp any any eq tacacs
 permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
 remark ---Workbrain Application---
 remark --Large Store Clock Server to Central Clock Application
 permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
 remark --Large store Clock Server to CUAE
 permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
 remark ---LiteScape Application---
 permit ip any host 192.168.46.82
 permit ip any 239.192.0.0 0.0.0.255
 permit ip any host 239.255.255.250
 remark ---Remote Desktop---
 permit tcp any any eq 3389
 permit tcp any eq 3389 any
 remark ---Oracle SIM---
 permit tcp any 192.168.46.0 0.0.0.255 eq 7777
 permit tcp any 192.168.46.0 0.0.0.255 eq 6003
 permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
 permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
 permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
 permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
!
!
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group causer v3 priv
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

```
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
banner exec C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITACCESS IS A
VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication RETAIL
```

```
 no exec
 transport preferred none
 transport output none
line 67
 no activation-character
 no exec
 transport preferred none
 transport output none
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
exception data-corruption buffer truncate
scheduler allocate 20000 1000
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end
```

R-a2-Small

```
!
! Last configuration change at 00:44:15 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 00:44:16 PSTDST Sat Apr 30 2011 by retail
!
version 15.1
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 year
service password-encryption
service sequence-numbers
!
hostname R-A2-Small-1
!
boot-start-marker
boot system flash0 c2900-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
```

```
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
!
!
aaa session-id common
!
clock timezone PST -8 0
clock summer-time PSTDST recurring
!
no ipv6 cef
ip source-route
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip port-map user-8443 port tcp 8443
ip ips notify SDEE
ip ips name Retail-PCI
!
ip ips signature-category
  category all
   retired true
  category ios_ips default
   retired false
!
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect global
 WAAS enable
parameter-map type inspect Inspect-1
 audit-trail on

parameter-map type trend-global trend-glob-map
!
!
!
!
```

```
password encryption aes
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-503450500
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-503450500
 revocation-check none
 rsakeypair TP-self-signed-503450500
!
!
crypto pki certificate chain TP-self-signed-503450500
 certificate self-signed 01
  <removed>
    quit
voice-card 0
!
!
!
!
!
!
!
license udi pid CISCO2921/K9 sn <removed>
hw-module ism 0
!
hw-module sm 1
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
!
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 udp eq 5246
 udp eq 5247
!
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 tcp eq 4050
!
object-group network DC-ALL
 description All of the Data Center
 192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
 description all store networks
 10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_68719541425
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
```

```
 description Central Wireless Controllers for stores
 host 192.168.43.21
 host 192.168.43.22
!
object-group network DC-Wifi-MSE
 description Mobility Service Engines
 host 192.168.43.31
 host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_68719541431
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
 host 192.168.44.111
!
object-group network MSP-DC-1
 description Data Center VSOM
 host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_68719541435
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_68719541457
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541461
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541465
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network EMC-NCM
 description EMC Network Configuration Manager
 host 192.168.42.122
!
object-group network RSA-enVision
 description RSA EnVision Syslog collector and SIM
 host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_73014451187
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object EMC-NCM
 group-object RSA-enVision
!
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 host 192.168.42.131
!
object-group network RSA-AM
 description RSA Authentication Manager for SecureID
 host 192.168.42.137
!
object-group network NAC-1
```

```
 description ISE server for NAC
 host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_73014451193
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object ActiveDirectory.cisco-irn.com
 group-object TACACS
 group-object RSA-AM
 group-object NAC-1
!
object-group network NAC-2
 host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_73014451223
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object NAC-2
 group-object NAC-1
!
object-group network DC-Admin
 description DC Admin Systems
 host 192.168.41.101
 host 192.168.41.102
!
object-group network CSManager
 description Cisco Security Manager
 host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_68719541409
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object EMC-NCM
 group-object CSManager
!
object-group network CSM_INLINE_src_rule_68719541427
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-ALL
 group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_68719541429
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object WCSManager
 group-object DC-Wifi-Controllers
 group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_68719541433
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object PAME-DC-1
 group-object MSP-DC-1
!
object-group network DC-WAAS
 description WAE Appliances in Data Center
 host 192.168.48.10
 host 192.168.49.10
 host 192.168.47.11
 host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_68719541437
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object DC-WAAS
!
object-group network DC-POS-Tomax
 description Tomax POS Communication from Store to Data Center
 192.168.52.96 255.255.255.224
```

```
!
object-group network DC-POS-SAP
 description SAP POS Communication from Store to Data Center
 192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
 description Oracle POS Communication from Store to Data Center
 192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_73014451215
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_73014451217
 description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
 group-object DC-Admin
 group-object DC-POS-Tomax
 group-object DC-POS-SAP
 group-object DC-POS-Oracle
!
object-group service CSM_INLINE_svc_rule_68719541409
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
!
object-group service CSM_INLINE_svc_rule_68719541425
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service CSM_INLINE_svc_rule_68719541427
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
!
object-group service LWAPP
 description LWAPP UDP ports 12222 and 12223
 udp eq 12222
 udp eq 12223
!
object-group service TFTP
 description Trivial File Transfer
 tcp eq 69
 udp eq tftp
!
object-group service IP-Protocol-97
 description IP protocol 97
 97
!
object-group service CSM_INLINE_svc_rule_68719541429
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq www
```

```
 tcp eq 22
 tcp eq telnet
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object TFTP
 group-object IP-Protocol-97
!
object-group service Cisco-Mobility
 description Mobility ports for Wireless
 udp eq 16666
 udp eq 16667
!
object-group service CSM_INLINE_svc_rule_68719541431
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 udp eq isakmp
 group-object CAPWAP
 group-object LWAPP
 group-object Cisco-Mobility
 group-object IP-Protocol-97
!
object-group service HTTPS-8443
 tcp eq 8443
!
object-group service Microsoft-DS-SMB
 description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
 tcp eq 445
!
object-group service CSM_INLINE_svc_rule_68719541437
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541439
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 tcp eq 139
 group-object CISCO-WAAS
 group-object HTTPS-8443
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541455
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp
 tcp-udp eq 5060
 tcp eq 2000
 tcp eq www
 tcp eq 443
 group-object TFTP
!
object-group service CSM_INLINE_svc_rule_68719541457
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp-udp eq 5060
 tcp eq 2000
!
object-group service Netbios
```

```
 description Netbios Servers
 udp eq netbios-dgm
 udp eq netbios-ns
 tcp eq 139
!
object-group service ORACLE-SIM
 description Oracle Store Inventory Management
 tcp eq 7777
 tcp eq 6003
 tcp range 12401 12500
!
object-group service RDP
 description Windows Remote Desktop
 tcp eq 3389
!
object-group service Workbrain
 tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_68719541459
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq ftp
 tcp eq www
 tcp eq 443
 udp eq 88
 tcp-udp eq 42
 group-object Microsoft-DS-SMB
 group-object Netbios
 group-object ORACLE-SIM
 group-object RDP
 group-object Workbrain
!
object-group service CSM_INLINE_svc_rule_73014451187
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 udp eq syslog
 udp eq snmp
 udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_73014451193
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq tacacs
 udp eq 1812
 udp eq 1813
 tcp eq 389
 tcp eq 636
!
object-group service vCenter-to-ESX4
 description Communication from vCetner to ESX hosts
 tcp eq 5989
 tcp eq 8000
 tcp eq 902
 tcp eq 903
!
object-group service CSM_INLINE_svc_rule_73014451195
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq 22
 group-object vCenter-to-ESX4
!
object-group service ESX-SLP
```

```
 description CIM Service Location Protocol (SLP) for VMware systems
 udp eq 427
 tcp eq 427
!
object-group service CSM_INLINE_svc_rule_73014451197
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 group-object vCenter-to-ESX4
 group-object ESX-SLP
!
object-group service ORACLE-RMI
 description RMI TCP ports 1300 and 1301-1319.
 tcp range 1300 1319
!
object-group service ORACLE-Weblogic
 description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
 tcp eq 7001
 tcp eq 7002
 tcp eq 1521
!
object-group service ORACLE-WAS
 description RMI/IIOP over 2809  HTTP over 9443 IBM-MQ 1414
 tcp eq 2809
 tcp eq 9443
 tcp eq 1414
!
object-group service ORACLE-OAS
 description OAS uses one port for HTTP and RMI - 12601.
 tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_73014451203
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_73014451205
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object ORACLE-RMI
 group-object ORACLE-Weblogic
 group-object ORACLE-WAS
 group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_73014451207
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451209
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 tcp eq 22
 group-object HTTPS-8443
```

```
!
object-group service TOMAX-8990
 description Tomax Application Port
 tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_73014451211
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_73014451213
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq 443
 group-object TOMAX-8990
!
object-group service ICMP-Requests
 description ICMP requests
 icmp information-request
 icmp mask-request
 icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_73014451215
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_73014451217
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 icmp echo
 icmp echo-reply
 icmp traceroute
 icmp unreachable
 icmp redirect
 icmp alternate-address
 group-object ICMP-Requests
!
object-group service DNS-Resolving
 description Domain Name Server
 tcp eq domain
 udp eq domain
!
object-group service CSM_INLINE_svc_rule_73014451221
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 udp eq bootps
 group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_73014451223
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451388
```

```
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 tcp eq 139
 group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_73014451393
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group service CSM_INLINE_svc_rule_73014451395
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451397
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp
 udp
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451404
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451406
 description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
 tcp eq www
 tcp eq 443
 tcp eq smtp
 tcp eq pop3
 tcp eq 143
!
object-group network DC-Applications
 description Applications in the Data Center that are non-PCI related(Optimized by
CS-Manager)
 192.168.180.0 255.255.254.0
!
object-group network DC-Voice
 description Data Center Voice
 192.168.45.0 255.255.255.0
!
object-group network MS-Update
 description Windows Update Server
 host 192.168.42.150
!
object-group network MSExchange
 description Mail Server
 host 192.168.42.140
!
object-group service NTP
 description NTP Protocols
 tcp eq 123
 udp eq ntp
```

```
!
object-group network NTP-Servers
 description NTP Servers
 host 192.168.62.161
 host 162.168.62.162
!
object-group network POS-Store-SMALL-1
 description Small Store POS devices
 host 10.10.128.81
 host 10.10.128.82
!
object-group network STORE-POS
 group-object POS-Store-SMALL-1
!
object-group network vSphere-1
 description vSphere server for Lab
 host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed> username bmcgloth privilege 15 secret 5
<removed>
username csmadmin privilege 15 secret 5 <removed>
!
redundancy
!
!
!
!
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
 match protocol http
 match protocol https
 match protocol microsoft-ds
 match protocol ms-sql
 match protocol ms-sql-m
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol oracle
 match protocol oracle-em-vp
 match protocol oraclenames
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
 match access-group name CSM_ZBF_CMAP_ACL_10
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
 match protocol http
 match protocol https
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
 match access-group name CSM_ZBF_CMAP_ACL_23
 match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
 match access-group name CSM_ZBF_CMAP_ACL_32
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
 match access-group name CSM_ZBF_CMAP_ACL_11
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
 match protocol http
```

```
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
 match access-group name CSM_ZBF_CMAP_ACL_22
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
 match protocol http
 match protocol https
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
 match access-group name CSM_ZBF_CMAP_ACL_33
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tftp
 match protocol http
 match protocol https
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
 match access-group name CSM_ZBF_CMAP_ACL_12
 match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
 match protocol http
 match protocol https
 match protocol netbios-ns
 match protocol netbios-dgm
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
 match access-group name CSM_ZBF_CMAP_ACL_21
 match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
 match protocol http
 match protocol https
 match protocol imap3
 match protocol pop3
 match protocol pop3s
 match protocol smtp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
 match access-group name CSM_ZBF_CMAP_ACL_30
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
 match protocol syslog
 match protocol syslog-conn
 match protocol snmp
 match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
 match access-group name CSM_ZBF_CMAP_ACL_13
 match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
 match access-group name CSM_ZBF_CMAP_ACL_20
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
 match protocol http
```

```
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol ftp
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
 match access-group name CSM_ZBF_CMAP_ACL_31
 match class-map CSM_ZBF_CMAP_PLMAP_20
class-map match-all BRANCH-BULK-DATA
 match protocol tftp
 match protocol nfs
 match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
 match protocol ldaps
 match protocol ldap
 match protocol ldap-admin
 match protocol radius
 match protocol tacacs
 match protocol tacacs-ds
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
 match access-group name CSM_ZBF_CMAP_ACL_14
 match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
 match protocol http
 match protocol https
 match protocol udp
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
 match access-group name CSM_ZBF_CMAP_ACL_27
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
 match protocol sip
 match protocol sip-tls
 match protocol skinny
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
 match access-group name CSM_ZBF_CMAP_ACL_36
 match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
 match protocol ntp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
 match access-group name CSM_ZBF_CMAP_ACL_15
 match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
 match access-group name CSM_ZBF_CMAP_ACL_26
 match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
 match protocol bootpc
 match protocol bootps
 match protocol udp
 match protocol tcp
 match protocol dns
 match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
 match access-group name CSM_ZBF_CMAP_ACL_16
 match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
```

```
 match access-group name CSM_ZBF_CMAP_ACL_25
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
 match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
 match access-group name CSM_ZBF_CMAP_ACL_17
 match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
 match access-group name CSM_ZBF_CMAP_ACL_24
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
 match protocol tcp
 match protocol udp
 match protocol http
 match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
 match access-group name CSM_ZBF_CMAP_ACL_35
 match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
 match protocol https
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
 match access-group name CSM_ZBF_CMAP_ACL_18
 match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
 match protocol http
 match protocol https
 match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
 match access-group name CSM_ZBF_CMAP_ACL_19
 match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
 match access-group name CSM_ZBF_CMAP_ACL_29
 match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
 match protocol http
 match protocol https
 match protocol icmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
 match access-group name CSM_ZBF_CMAP_ACL_28
 match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
 match protocol https
 match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
 match access-group name CSM_ZBF_CMAP_ACL_1
 match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
 match access-group name CSM_ZBF_CMAP_ACL_3
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
 match protocol https
 match protocol http
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
 match access-group name CSM_ZBF_CMAP_ACL_2
 match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
 match access-group name CSM_ZBF_CMAP_ACL_5
 match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
 match protocol http
```

```
 match protocol https
 match protocol ssh
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
 match access-group name CSM_ZBF_CMAP_ACL_4
 match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
 match access-group name CSM_ZBF_CMAP_ACL_7
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
 match access-group name CSM_ZBF_CMAP_ACL_6
 match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
 match access-group name CSM_ZBF_CMAP_ACL_9
 match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
 match protocol http
 match protocol https
 match protocol ssh
 match protocol telnet
 match protocol tftp
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
 match access-group name CSM_ZBF_CMAP_ACL_8
 match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
 match ip dscp af11  af12
class-map match-all INTERACTIVE-VIDEO
 match ip dscp af41  af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
 match protocol citrix
 match protocol ldap
 match protocol telnet
 match protocol sqlnet
 match protocol http url "*SalesReport*"
 match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
 match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
 match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
 match ip dscp 25
class-map match-any BRANCH-NET-MGMT
 match protocol snmp
 match protocol syslog
 match protocol dns
 match protocol icmp
 match protocol ssh
 match access-group name NET-MGMT-APPS
class-map match-all ROUTING
 match ip dscp cs6
class-map match-all SCAVENGER
 match ip dscp cs1
class-map match-all NET-MGMT
 match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
 match protocol gnutella
 match protocol fasttrack
 match protocol kazaa2
class-map match-any CALL-SIGNALING
 match ip dscp cs3
```

```
class-map match-all TRANSACTIONAL-DATA
 match ip dscp af21  af22
!
!
policy-map BRANCH-LAN-EDGE-OUT
 class class-default
policy-map BRANCH-WAN-EDGE
 class VOICE
  priority percent 18
 class INTERACTIVE-VIDEO
  priority percent 15
 class CALL-SIGNALING
  bandwidth percent 5
 class ROUTING
  bandwidth percent 3
 class NET-MGMT
  bandwidth percent 2
 class MISSION-CRITICAL-DATA
  bandwidth percent 15
  random-detect
 class TRANSACTIONAL-DATA
  bandwidth percent 12
  random-detect dscp-based
 class BULK-DATA
  bandwidth percent 4
  random-detect dscp-based
 class SCAVENGER
  bandwidth percent 1
 class class-default
  bandwidth percent 25
  random-detect
policy-map type inspect CSM_ZBF_POLICY_MAP_18
 class type inspect CSM_ZBF_CLASS_MAP_28
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_29
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_30
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_31
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
 class type inspect CSM_ZBF_CLASS_MAP_24
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_25
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_26
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
 class type inspect CSM_ZBF_CLASS_MAP_25
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_26
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_27
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
 class type inspect CSM_ZBF_CLASS_MAP_22
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_15
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_23
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_20
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_21
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
```

```
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_30
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_34
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_35
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_13
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_21
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_20
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_32
  drop log
 class type inspect CSM_ZBF_CLASS_MAP_33
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_18
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
```

```
 class type inspect CSM_ZBF_CLASS_MAP_19
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_36
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_9
 class type inspect CSM_ZBF_CLASS_MAP_13
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_14
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_15
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_16
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_17
  inspect Inspect-1
 class class-default
  drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_12
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
 class type inspect CSM_ZBF_CLASS_MAP_9
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_10
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_11
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_8
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_6
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_7
  inspect Inspect-1
 class class-default
  drop log
```

```
policy-map type inspect CSM_ZBF_POLICY_MAP_3
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_5
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_4
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
 class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_2
  inspect Inspect-1
 class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
 class class-default
  drop
policy-map BRANCH-LAN-EDGE-IN
 class BRANCH-MISSION-CRITICAL
  set ip dscp 25
 class BRANCH-TRANSACTIONAL-DATA
  set ip dscp af21
 class BRANCH-NET-MGMT
  set ip dscp cs2
 class BRANCH-BULK-DATA
  set ip dscp af11
 class BRANCH-SCAVENGER
  set ip dscp cs1
!
zone security S_WAN
 description Store WAN Link
zone security LOOPBACK
 description Loopback interface
zone security S_MGMT
 description VLAN1000 Management
zone security S_Security
 description VLAN20 Physical Security Systems
zone security S_WAAS
 description VLAN19 WAAS optimization
zone security S_WLC-AP
 description VLAN18 Wireless Systems
zone security S_Data
 description VLAN12 Store Data
zone security S_Data-W
 description VLAN14 Store Wireless Data
zone security S_Guest
 description VLAN17 Guest/Public Wireless
zone security S_Voice
 description VLAN13 Store Voice
zone security S_Partners
 description VLAN16 Partner network
zone security S_POS
 description VLAN 11 POS Data
zone security S_POS-W
```

```
 description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
 service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
 service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
 service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
 service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
 service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
 service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
 service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
```

```
 service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
 service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
 service-policy type inspect CSM_ZBF_POLICY_MAP_22
!
!
!
!
!
!
!
interface Loopback0
 ip address 10.10.142.1 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto
!
interface GigabitEthernet0/0.11
 description POS
 encapsulation dot1Q 11
 ip address 10.10.128.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_POS
 standby 11 ip 10.10.128.1
 standby 11 priority 101
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
```

```
!
interface GigabitEthernet0/0.12
 description DATA
 encapsulation dot1Q 12
 ip address 10.10.129.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in
 ip pim sparse-dense-mode
 zone-member security S_Data
 standby 12 ip 10.10.129.1
 standby 12 priority 101
 standby 12 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.13
 description VOICE
 encapsulation dot1Q 13
 ip address 10.10.130.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Voice
 standby 13 ip 10.10.130.1
 standby 13 priority 101
 standby 13 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.14
 description WIRELESS
 encapsulation dot1Q 14
 ip address 10.10.131.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Data-W
 standby 14 ip 10.10.131.1
 standby 14 priority 101
 standby 14 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.15
 description WIRELESS-POS
 encapsulation dot1Q 15
 ip address 10.10.132.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_POS-W
 standby 15 ip 10.10.132.1
 standby 15 priority 101
 standby 15 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.16
 description PARTNER
 encapsulation dot1Q 16
 ip address 10.10.133.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Partners
 standby 16 ip 10.10.133.1
 standby 16 priority 101
 standby 16 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.17
```

```
 description WIRELESS-GUEST
 encapsulation dot1Q 17
 ip address 10.10.134.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Guest
 standby 17 ip 10.10.134.1
 standby 17 priority 101
 standby 17 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.18
 description WIRELESS-CONTROL
 encapsulation dot1Q 18
 ip address 10.10.135.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WLC-AP
 standby 18 ip 10.10.135.1
 standby 18 priority 101
 standby 18 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.19
 description WAAS
 encapsulation dot1Q 19
 ip address 10.10.136.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WAAS
 standby 19 ip 10.10.136.1
 standby 19 priority 101
 standby 19 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.20
 description SECURITY-SYSTEMS
 encapsulation dot1Q 20
 ip address 10.10.137.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Security
 standby 20 ip 10.10.137.1
 standby 20 priority 101
 standby 20 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.1000
 description MANAGEMENT
 encapsulation dot1Q 1000
 ip address 10.10.143.2 255.255.255.0
 zone-member security S_MGMT
 standby 100 ip 10.10.143.1
 standby 100 priority 101
 standby 100 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface ISM0/0
 no ip address
 shutdown
 !Application: Online on SME
 hold-queue 60 out
!
```

```
interface GigabitEthernet0/1
 ip address 10.10.255.128 255.255.255.0
 ip ips Retail-PCI in
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
interface GigabitEthernet0/2
 ip address 10.10.254.128 255.255.255.0
 ip ips Retail-PCI in
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
interface ISM0/1
 description Internal switch interface connected to Internal Service Module
 shutdown
!
interface SM1/0
 no ip address
 zone-member security S_Security
 shutdown
 service-module fail-open
 hold-queue 60 out
!
interface SM1/1
 description Internal switch interface connected to Service Module
!
interface Vlan1
 no ip address
 zone-member security S_POS
!
!
router ospf 5
 router-id 10.10.142.1
 passive-interface default
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.255.11
ip route 0.0.0.0 0.0.0.0 10.10.254.11 50
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
 remark ---File Transfer---
 permit tcp any any eq ftp
 permit tcp any any eq ftp-data
 remark ---E-mail traffic---
 permit tcp any any eq smtp
 permit tcp any any eq pop3
 permit tcp any any eq 143
 remark ---other EDM app protocols---
 permit tcp any any range 3460 3466
 permit tcp any range 3460 3466 any
 remark ---messaging services---
```

```
 permit tcp any any eq 2980
 permit tcp any eq 2980 any
 remark ---Microsoft file services---
 permit tcp any any range 137 139
 permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
 remark Data Center Mgmt to Devices
 permit object-group CSM_INLINE_svc_rule_68719541409 object-group
CSM_INLINE_src_rule_68719541409 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451205 object-group DC-POS-Oracle
object-group STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451209 object-group DC-POS-SAP object-group
STORE-POS
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451213 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451215 object-group
CSM_INLINE_src_rule_73014451215 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
 remark Data Center VOICE (wired and Wireless)
 permit object-group CSM_INLINE_svc_rule_68719541455 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
 remark Syslog and SNMP Alerts
 permit object-group CSM_INLINE_svc_rule_73014451187 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451187
ip access-list extended CSM_ZBF_CMAP_ACL_14
 remark Store to Data Center Authentications
 permit object-group CSM_INLINE_svc_rule_73014451193 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451193
ip access-list extended CSM_ZBF_CMAP_ACL_15
 remark Store to Data Center for NTP
 permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_16
 remark Store to Data Center for DHCP and DNS
 permit object-group CSM_INLINE_svc_rule_73014451221 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_17
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_68719541425 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541425
ip access-list extended CSM_ZBF_CMAP_ACL_18
 remark Store UCS Express to Data Center vShphere
 permit object-group CSM_INLINE_svc_rule_73014451197 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_19
 remark Store NAC
 permit object-group CSM_INLINE_svc_rule_73014451223 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451223
ip access-list extended CSM_ZBF_CMAP_ACL_2
 remark Data Center subscribe to IPS SDEE events
 permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
 remark Store to Data Center Physical Security
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541435
ip access-list extended CSM_ZBF_CMAP_ACL_21
 remark Store WAAS (WAAS Devices need their own zone)
 permit object-group CSM_INLINE_svc_rule_68719541439 object-group Stores-ALL object-group
DC-WAAS
```

```
ip access-list extended CSM_ZBF_CMAP_ACL_22
 remark Store WAAS to Clients and Servers
 permit object-group CSM_INLINE_svc_rule_73014451388 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_23
 remark Store to Data Center wireless controller traffic
 permit object-group CSM_INLINE_svc_rule_68719541431 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541431
ip access-list extended CSM_ZBF_CMAP_ACL_24
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451203 object-group STORE-POS object-group
DC-POS-Oracle
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451207 object-group STORE-POS object-group
DC-POS-SAP
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451211 object-group STORE-POS object-group
DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_25
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_73014451217 object-group
CSM_INLINE_src_rule_73014451217 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_26
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_73014451393 object-group STORE-POS object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_27
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_73014451395 object-group STORE-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_28
 remark Permit POS clients to talk to store POS server
 permit object-group CSM_INLINE_svc_rule_73014451397 object-group STORE-POS object-group
STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_29
 remark Store to Data Center for Windows Updates
 permit object-group CSM_INLINE_svc_rule_73014451404 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
 remark Permit ICMP traffic
 permit object-group CSM_INLINE_svc_rule_68719541427 object-group
CSM_INLINE_src_rule_68719541427 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Store to Data Center for E-mail
 permit object-group CSM_INLINE_svc_rule_73014451406 object-group Stores-ALL object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_31
 remark Store DATA (wired and Wireless - Access to DC Other applications)
 permit object-group CSM_INLINE_svc_rule_68719541459 object-group Stores-ALL object-group
DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_32
 remark Store GUEST - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541465
ip access-list extended CSM_ZBF_CMAP_ACL_33
 remark Store GUEST (access to internet/DMZ web servers)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_34
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541461
ip access-list extended CSM_ZBF_CMAP_ACL_35
 remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
 permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
```

```
 permit object-group CSM_INLINE_svc_rule_68719541457 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541457
ip access-list extended CSM_ZBF_CMAP_ACL_4
 remark Data Center vSphere to UCS Express
 permit object-group CSM_INLINE_svc_rule_73014451195 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
 remark Data Center to Store Physical Security
 permit ip object-group CSM_INLINE_src_rule_68719541433 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
 remark Data Center WAAS to Store
 permit object-group CSM_INLINE_svc_rule_68719541437 object-group
CSM_INLINE_src_rule_68719541437 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in stores
 permit object-group CSM_INLINE_svc_rule_68719541429 object-group
CSM_INLINE_src_rule_68719541429 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
 remark Data Center Mgmt to Devices
 permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
 remark ---POS Applications---
 permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
 remark - Router user Authentication - Identifies TACACS Control traffic
 permit tcp any any eq tacacs
 permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
 remark ---Workbrain Application---
 remark --Large Store Clock Server to Central Clock Application
 permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
 remark --Large store Clock Server to CUAE
 permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
 remark ---LiteScape Application---
 permit ip any host 192.168.46.82
 permit ip any 239.192.0.0 0.0.0.255
 permit ip any host 239.255.255.250
 remark ---Remote Desktop---
 permit tcp any any eq 3389
 permit tcp any eq 3389 any
 remark ---Oracle SIM---
 permit tcp any 192.168.46.0 0.0.0.255 eq 7777
 permit tcp any 192.168.46.0 0.0.0.255 eq 6003
 permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
 permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
 permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
 permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
```

```
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
!
!
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
mgcp profile default
!
!
!
!
!
gatekeeper
 shutdown
!
!
banner exec C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
```

```
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

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TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!


!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 no exec
 transport preferred none
 transport output none
line 67
 no activation-character
 no exec
 transport preferred none
 transport input ssh
 transport output none
 stopbits 1
 flowcontrol software
line 131
 no activation-character
 no exec
 transport preferred none
 transport input ssh
 transport output none
 stopbits 1
 flowcontrol software
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
```

```
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
scheduler allocate 20000 1000
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end
```

RAGG-1-running

```
!Command: show running-config
!Time: Sun Apr 24 16:49:11 2011

version 5.1(2)
hostname RAGG-1
vdc RAGG-1 id 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 32 maximum 32
  limit-resource u6route-mem minimum 16 maximum 16
  limit-resource m4route-mem minimum 48 maximum 48
  limit-resource m6route-mem minimum 8 maximum 8
vdc vdc1 id 2
  allocate interface Ethernet1/1,Ethernet1/3,Ethernet1/5,Ethernet1/7,Ethernet1/25-32
  allocate interface Ethernet2/1-12
  boot-order 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 8 maximum 8
  limit-resource u6route-mem minimum 4 maximum 4
  limit-resource m4route-mem minimum 8 maximum 8
  limit-resource m6route-mem minimum 5 maximum 5
vdc vdc2 id 3
  allocate interface Ethernet1/2,Ethernet1/4,Ethernet1/6,Ethernet1/8-24
  allocate interface Ethernet2/13-48
  boot-order 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 8 maximum 8
  limit-resource u6route-mem minimum 4 maximum 4
  limit-resource m4route-mem minimum 8 maximum 8
  limit-resource m6route-mem minimum 5 maximum 5

feature privilege
feature tacacs+
```

```
username admin password 5 <removed>   role network-admin
username retail password 5 <removed> role network-admin
username bart password 5 <removed> role network-admin
username emc-ncm password 5 <removed>  role network-admin
enable secret 5 <removed>

banner motd @
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

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REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
@

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host RAGG-1 192.168.42.36
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf management
ip access-list 23
  statistics per-entry
  10 permit ip 127.0.0.1/32 192.168.42.36/32
  20 permit ip 192.168.41.101/32 192.168.42.36/32
  30 permit ip 192.168.41.102/32 192.168.42.36/32
  40 permit ip 192.168.42.111/32 192.168.42.36/32
  50 permit ip 192.168.42.122/32 192.168.42.36/32
  60 permit ip 192.168.42.131/32 192.168.42.36/32
  70 permit ip 192.168.42.133/32 192.168.42.36/32
  80 permit ip 192.168.42.138/32 192.168.42.36/32
  90 permit ip 10.19.151.99/32 192.168.42.36/32
  100 deny ip any any
ip access-list 88
  statistics per-entry
  10 permit ip 192.168.42.122/32 192.168.42.36/32
  20 deny ip any any
ip access-list copp-system-acl-bgp
  10 permit tcp any gt 1024 any eq bgp
  20 permit tcp any eq bgp any gt 1024
ipv6 access-list copp-system-acl-bgp6
  10 permit tcp any gt 1024 any eq bgp
  20 permit tcp any eq bgp any gt 1024
ip access-list copp-system-acl-eigrp
  10 permit eigrp any any
ip access-list copp-system-acl-ftp
  10 permit tcp any any eq ftp-data
  20 permit tcp any any eq ftp
  30 permit tcp any eq ftp-data any
  40 permit tcp any eq ftp any
ip access-list copp-system-acl-glbp
  10 permit udp any eq 3222 224.0.0.0/24 eq 3222
```

```
ip access-list copp-system-acl-hsrp
  10 permit udp any 224.0.0.0/24 eq 1985
ip access-list copp-system-acl-icmp
  10 permit icmp any any echo
  20 permit icmp any any echo-reply
ipv6 access-list copp-system-acl-icmp6
  10 permit icmp any any echo-request
  20 permit icmp any any echo-reply
ipv6 access-list copp-system-acl-icmp6-msgs
  10 permit icmp any any router-advertisement
  20 permit icmp any any router-solicitation
  30 permit icmp any any nd-na
  40 permit icmp any any nd-ns
  50 permit icmp any any mld-query
  60 permit icmp any any mld-report
  70 permit icmp any any mld-reduction
ip access-list copp-system-acl-igmp
  10 permit igmp any 224.0.0.0/3
ip access-list copp-system-acl-msdp
  10 permit tcp any gt 1024 any eq 639
  20 permit tcp any eq 639 any gt 1024
ip access-list copp-system-acl-ntp
  10 permit udp any any eq ntp
  20 permit udp any eq ntp any
ipv6 access-list copp-system-acl-ntp6
  10 permit udp any any eq ntp
  20 permit udp any eq ntp any
ip access-list copp-system-acl-ospf
  10 permit ospf any any
ipv6 access-list copp-system-acl-ospf6
  10 permit 89 any any
ip access-list copp-system-acl-pim
  10 permit pim any 224.0.0.0/24
  20 permit udp any any eq pim-auto-rp
ip access-list copp-system-acl-pim-reg
  10 permit pim any any
ipv6 access-list copp-system-acl-pim6
  10 permit 103 any ff02::d/128
  20 permit udp any any eq pim-auto-rp
ip access-list copp-system-acl-radius
  10 permit udp any any eq 1812
  20 permit udp any any eq 1813
  30 permit udp any any eq 1645
  40 permit udp any any eq 1646
  50 permit udp any eq 1812 any
  60 permit udp any eq 1813 any
  70 permit udp any eq 1645 any
  80 permit udp any eq 1646 any
ipv6 access-list copp-system-acl-radius6
  10 permit udp any any eq 1812
  20 permit udp any any eq 1813
  30 permit udp any any eq 1645
  40 permit udp any any eq 1646
  50 permit udp any eq 1812 any
  60 permit udp any eq 1813 any
  70 permit udp any eq 1645 any
  80 permit udp any eq 1646 any
ip access-list copp-system-acl-rip
  10 permit udp any 224.0.0.0/24 eq rip
ip access-list copp-system-acl-sftp
  10 permit tcp any any eq 115
  20 permit tcp any eq 115 any
ip access-list copp-system-acl-snmp
  10 permit udp any any eq snmp
```

```
  20 permit udp any any eq snmptrap
ip access-list copp-system-acl-ssh
  10 permit tcp any any eq 22
  20 permit tcp any eq 22 any
ipv6 access-list copp-system-acl-ssh6
  10 permit tcp any any eq 22
  20 permit tcp any eq 22 any
ip access-list copp-system-acl-tacacs
  10 permit tcp any any eq tacacs
  20 permit tcp any eq tacacs any
ipv6 access-list copp-system-acl-tacacs6
  10 permit tcp any any eq tacacs
  20 permit tcp any eq tacacs any
ip access-list copp-system-acl-telnet
  10 permit tcp any any eq telnet
  20 permit tcp any any eq 107
  30 permit tcp any eq telnet any
  40 permit tcp any eq 107 any
ipv6 access-list copp-system-acl-telnet6
  10 permit tcp any any eq telnet
  20 permit tcp any any eq 107
  30 permit tcp any eq telnet any
  40 permit tcp any eq 107 any
ip access-list copp-system-acl-tftp
  10 permit udp any any eq tftp
  20 permit udp any any eq 1758
  30 permit udp any eq tftp any
  40 permit udp any eq 1758 any
ipv6 access-list copp-system-acl-tftp6
  10 permit udp any any eq tftp
  20 permit udp any any eq 1758
  30 permit udp any eq tftp any
  40 permit udp any eq 1758 any
ip access-list copp-system-acl-traceroute
  10 permit icmp any any ttl-exceeded
  20 permit icmp any any port-unreachable
ip access-list copp-system-acl-undesirable
  10 permit udp any any eq 1434
ip access-list copp-system-acl-vpc
  10 permit udp any any eq 3200
ip access-list copp-system-acl-vrrp
  10 permit 112 any 224.0.0.0/24
class-map type control-plane match-any copp-system-class-critical
  match access-group name copp-system-acl-bgp
  match access-group name copp-system-acl-bgp6
  match access-group name copp-system-acl-eigrp
  match access-group name copp-system-acl-igmp
  match access-group name copp-system-acl-msdp
  match access-group name copp-system-acl-ospf
  match access-group name copp-system-acl-ospf6
  match access-group name copp-system-acl-pim
  match access-group name copp-system-acl-pim6
  match access-group name copp-system-acl-rip
  match access-group name copp-system-acl-vpc
class-map type control-plane match-any copp-system-class-exception
  match exception ip option
  match exception ip icmp unreachable
  match exception ipv6 option
  match exception ipv6 icmp unreachable
class-map type control-plane match-any copp-system-class-important
  match access-group name copp-system-acl-glbp
  match access-group name copp-system-acl-hsrp
  match access-group name copp-system-acl-vrrp
  match access-group name copp-system-acl-icmp6-msgs
```

```
  match access-group name copp-system-acl-pim-reg
class-map type control-plane match-any copp-system-class-management
  match access-group name copp-system-acl-ftp
  match access-group name copp-system-acl-ntp
  match access-group name copp-system-acl-ntp6
  match access-group name copp-system-acl-radius
  match access-group name copp-system-acl-sftp
  match access-group name copp-system-acl-snmp
  match access-group name copp-system-acl-ssh
  match access-group name copp-system-acl-ssh6
  match access-group name copp-system-acl-tacacs
  match access-group name copp-system-acl-telnet
  match access-group name copp-system-acl-tftp
  match access-group name copp-system-acl-tftp6
  match access-group name copp-system-acl-radius6
  match access-group name copp-system-acl-tacacs6
  match access-group name copp-system-acl-telnet6
class-map type control-plane match-any copp-system-class-monitoring
  match access-group name copp-system-acl-icmp
  match access-group name copp-system-acl-icmp6
  match access-group name copp-system-acl-traceroute
class-map type control-plane match-any copp-system-class-normal
  match protocol arp
class-map type control-plane match-any copp-system-class-redirect
  match redirect dhcp-snoop
  match redirect arp-inspect
class-map type control-plane match-any copp-system-class-undesirable
  match access-group name copp-system-acl-undesirable
policy-map type control-plane copp-system-policy
  class copp-system-class-critical
    police cir 39600 kbps bc 250 ms conform transmit violate drop
  class copp-system-class-important
    police cir 1060 kbps bc 1000 ms conform transmit violate drop
  class copp-system-class-management
    police cir 10000 kbps bc 250 ms conform transmit violate drop
  class copp-system-class-normal
    police cir 680 kbps bc 250 ms conform transmit violate drop
  class copp-system-class-redirect
    police cir 280 kbps bc 250 ms conform transmit violate drop
  class copp-system-class-monitoring
    police cir 130 kbps bc 1000 ms conform transmit violate drop
  class copp-system-class-exception
    police cir 360 kbps bc 250 ms conform transmit violate drop
  class copp-system-class-undesirable
    police cir 32 kbps bc 250 ms conform drop violate drop
  class class-default
    police cir 100 kbps bc 250 ms conform transmit violate drop
control-plane
  service-policy input copp-system-policy
snmp-server user bart network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm network-admin auth md5 <removed> priv <removed> localizedkey
ntp server 192.168.62.161 use-vrf management
ntp server 192.168.62.162 use-vrf management
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
  ip route 0.0.0.0/0 192.168.42.1
vlan 1
```

```
interface mgmt0
  ip address 192.168.42.36/24
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
  logout-warning 20
line console
  exec-timeout 15
line vty
  exec-timeout 15
  access-class 23 in
boot kickstart bootflash:/n7000-s1-kickstart.5.1.2.bin sup-1
boot system bootflash:/n7000-s1-dk9.5.1.2.bin sup-1
boot kickstart bootflash:/n7000-s1-kickstart.5.1.2.bin sup-2
boot system bootflash:/n7000-s1-dk9.5.1.2.bin sup-2
logging server 192.168.42.124 6 use-vrf management
```

RAGG-1-vdc1-running

```
!Command: show running-config
!Time: Sun Apr 24 16:50:08 2011

version 5.1(2)
hostname vdc1

feature privilege
feature tacacs+
cfs eth distribute
feature ospf
feature pim
feature udld
feature interface-vlan
feature hsrp
feature lacp
feature glbp
feature vpc

username admin password 5 <removed> role vdc-admin
username retail password 5 <removed> role vdc-admin
username emc-ncm password 5 <removed> role vdc-admin
username bart password 5 <removed>  role vdc-admin
enable secret 5 <removed>

banner motd @
WARNING:
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                    **** AUTHORIZED USERS ONLY! ****

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TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
@
```

```
ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    source-interface loopback0
ip access-list 23
  statistics per-entry
  10 permit ip 127.0.0.1/32 192.168.1.11/32
  20 permit ip 192.168.41.101/32 192.168.1.11/32
  30 permit ip 192.168.41.102/32 192.168.1.11/32
  40 permit ip 192.168.42.111/32 192.168.1.11/32
  50 permit ip 192.168.42.122/32 192.168.1.11/32
  60 permit ip 192.168.42.131/32 192.168.1.11/32
  70 permit ip 192.168.42.133/32 192.168.1.11/32
  80 permit ip 192.168.42.138/32 192.168.1.11/32
  90 permit ip 10.19.151.99/32 192.168.1.11/32
  100 deny ip any any
ip access-list 88
  statistics per-entry
  10 permit ip 192.168.42.122/32 192.168.1.11/32
  20 deny ip any any
snmp-server source-interface trap loopback0
snmp-server source-interface inform loopback0
snmp-server user bart vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm vdc-admin auth md5 <removed> priv <removed> localizedkey
no snmp-server enable traps entity entity_mib_change
no snmp-server enable traps entity entity_module_status_change
no snmp-server enable traps entity entity_power_status_change
no snmp-server enable traps entity entity_module_inserted
no snmp-server enable traps entity entity_module_removed
no snmp-server enable traps entity entity_unrecognised_module
no snmp-server enable traps entity entity_fan_status_change
no snmp-server enable traps entity entity_power_out_change
no snmp-server enable traps link linkDown
no snmp-server enable traps link linkUp
no snmp-server enable traps link IETF-extended-linkDown
no snmp-server enable traps link IETF-extended-linkUp
no snmp-server enable traps link cisco-extended-linkDown
no snmp-server enable traps link cisco-extended-linkUp
snmp-server enable traps callhome event-notify
snmp-server enable traps callhome smtp-send-fail
snmp-server enable traps cfs state-change-notif
snmp-server enable traps cfs merge-failure
no snmp-server enable traps rf redundancy_framework
snmp-server enable traps aaa server-state-change
no snmp-server enable traps license notify-license-expiry
no snmp-server enable traps license notify-no-license-for-feature
no snmp-server enable traps license notify-licensefile-missing
no snmp-server enable traps license notify-license-expiry-warning
snmp-server enable traps hsrp state-change
no snmp-server enable traps upgrade UpgradeOpNotifyOnCompletion
no snmp-server enable traps upgrade UpgradeJobStatusNotify
snmp-server enable traps feature-control FeatureOpStatusChange
snmp-server enable traps link cisco-xcvr-mon-status-chg
snmp-server enable traps vtp notifs
snmp-server enable traps vtp vlancreate
```

```
snmp-server enable traps vtp vlandelete
snmp-server enable traps bridge newroot
snmp-server enable traps bridge topologychange
snmp-server enable traps stpx inconsistency
snmp-server enable traps stpx root-inconsistency
snmp-server enable traps stpx loop-inconsistency
aaa authentication login default group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
vlan 1,3,151,161

interface Vlan1

interface Vlan3
  no shutdown
  ip address 192.168.10.61/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 3
  ip ospf hello-interval 1
  ip router ospf 5 area 0.0.0.0

interface Vlan151
  no shutdown
  ip address 192.168.152.3/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf priority 3
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 10 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.152.1

interface Vlan161
  no shutdown
  ip address 192.168.162.3/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf priority 5
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 10 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.162.1

interface port-channel99
  switchport
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/1
  description 10Gig LINK to RCORE-1 T2/1
```

```
  no switchport
  logging event port link-status
  no ip redirects
  ip address 192.168.10.14/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 6
  ip ospf hello-interval 2
  ip ospf network point-to-point
  ip router ospf 5 area 0.0.0.0
  ip pim sparse-mode
  ip igmp version 3
  no shutdown

interface Ethernet1/3
  description 10Gig LINK to RCORE-2 T2/1
  no switchport
  logging event port link-status
  no ip redirects
  ip address 192.168.10.22/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 6
  ip ospf hello-interval 2
  ip ospf network point-to-point
  ip router ospf 5 area 0.0.0.0
  ip pim sparse-mode
  ip igmp version 3
  no shutdown

interface Ethernet1/5
  description to DC-ASA-1 vc1 T0/6
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 161
  spanning-tree port type normal
  no shutdown

interface Ethernet1/7
  description to DC-ASA-1 vc2 T0/8
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 151
  spanning-tree port type normal
  no shutdown

interface Ethernet1/25
  no switchport

interface Ethernet1/26
  no switchport

interface Ethernet1/27
  no switchport

interface Ethernet1/28
  no switchport

interface Ethernet1/29
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  channel-group 99 mode active
  no shutdown
```

```
interface Ethernet1/30
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  channel-group 99 mode active
  no shutdown

interface Ethernet1/31
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  channel-group 99 mode active
  no shutdown

interface Ethernet1/32
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  channel-group 99 mode active
  no shutdown

interface Ethernet2/1
  no switchport

interface Ethernet2/2
  no switchport

interface Ethernet2/3
  no switchport

interface Ethernet2/4
  no switchport

interface Ethernet2/5
  no switchport

interface Ethernet2/6
  no switchport

interface Ethernet2/7
  no switchport

interface Ethernet2/8
  no switchport

interface Ethernet2/9
  no switchport

interface Ethernet2/10
  no switchport

interface Ethernet2/11
  no switchport

interface Ethernet2/12
  no switchport

interface loopback0
  ip address 192.168.1.11/32
  ip router ospf 5 area 0.0.0.0
logging server 192.168.42.124 6
logging source-interface loopback 0
  logout-warning 20
```

```
line console
  exec-timeout 15
line vty
  exec-timeout 15
  access-class 23 in
router ospf 5
  router-id 192.168.1.11
  area 0.0.0.81 nssa
  area 0.0.0.0 range 192.168.1.11/32
  area 0.0.0.0 range 192.168.10.12/30
  area 0.0.0.0 range 192.168.10.20/30
  area 0.0.0.0 range 192.168.10.60/30
  area 0.0.0.81 range 192.168.152.0/24
  area 0.0.0.81 range 192.168.162.0/24
  area 0.0.0.0 authentication message-digest
  area 0.0.0.81 authentication message-digest
  timers throttle spf 10 100 5000
  auto-cost reference-bandwidth 10000
ip pim ssm range 232.0.0.0/8
```

RAGG-1-vdc2-running

```
!Command: show running-config
!Time: Sun Apr 24 16:50:48 2011

version 5.1(2)
hostname vdc2

feature privilege
feature tacacs+
cfs eth distribute
feature ospf
feature pim
feature udld
feature interface-vlan
feature hsrp
feature lacp
feature vpc

username admin password 5 <removed>   role vdc-admin
username retail password 5 <removed>   role vdc-admin
username bart password 5 <removed>   role vdc-admin
username emc-ncm password 5 <removed> role vdc-admin
enable secret 5 <removed>

banner motd @
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```

```
@

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf servers1
    source-interface loopback0
ip access-list 23
  statistics per-entry
  10 permit ip 127.0.0.1/32 192.168.1.31/32
  20 permit ip 192.168.41.101/32 192.168.1.31/32
  30 permit ip 192.168.41.102/32 192.168.1.31/32
  40 permit ip 192.168.42.111/32 192.168.1.31/32
  50 permit ip 192.168.42.122/32 192.168.1.31/32
  60 permit ip 192.168.42.131/32 192.168.1.31/32
  70 permit ip 192.168.42.133/32 192.168.1.31/32
  80 permit ip 192.168.42.138/32 192.168.1.31/32
  90 permit ip 10.19.151.99/32 192.168.1.31/32
  100 deny ip any any
ip access-list 88
  statistics per-entry
  10 permit ip 192.168.42.122/32 192.168.1.31/32
  20 deny ip any any
snmp-server source-interface trap loopback0
snmp-server source-interface inform loopback0
snmp-server user bart vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm vdc-admin auth md5 <removed> priv <removed> localizedkey
no snmp-server enable traps entity entity_mib_change
no snmp-server enable traps entity entity_module_status_change
no snmp-server enable traps entity entity_power_status_change
no snmp-server enable traps entity entity_module_inserted
no snmp-server enable traps entity entity_module_removed
no snmp-server enable traps entity entity_unrecognised_module
no snmp-server enable traps entity entity_fan_status_change
no snmp-server enable traps entity entity_power_out_change
no snmp-server enable traps link linkDown
no snmp-server enable traps link linkUp
no snmp-server enable traps link IETF-extended-linkDown
no snmp-server enable traps link IETF-extended-linkUp
no snmp-server enable traps link cisco-extended-linkDown
no snmp-server enable traps link cisco-extended-linkUp
snmp-server enable traps callhome event-notify
snmp-server enable traps callhome smtp-send-fail
snmp-server enable traps cfs state-change-notif
snmp-server enable traps cfs merge-failure
no snmp-server enable traps rf redundancy_framework
snmp-server enable traps aaa server-state-change
no snmp-server enable traps license notify-license-expiry
no snmp-server enable traps license notify-no-license-for-feature
no snmp-server enable traps license notify-licensefile-missing
no snmp-server enable traps license notify-license-expiry-warning
snmp-server enable traps hsrp state-change
no snmp-server enable traps upgrade UpgradeOpNotifyOnCompletion
no snmp-server enable traps upgrade UpgradeJobStatusNotify
snmp-server enable traps feature-control FeatureOpStatusChange
snmp-server enable traps link cisco-xcvr-mon-status-chg
snmp-server enable traps vtp notifs
```

```
snmp-server enable traps vtp vlancreate
snmp-server enable traps vtp vlandelete
snmp-server enable traps bridge newroot
snmp-server enable traps bridge topologychange
snmp-server enable traps stpx inconsistency
snmp-server enable traps stpx root-inconsistency
snmp-server enable traps stpx loop-inconsistency
aaa authentication login default group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context VPC
vrf context servers1
  ip route 0.0.0.0/0 192.168.162.1
  ip route 192.168.41.0/24 192.168.42.135
  ip pim ssm range 232.0.0.0/8
vrf context servers2
  ip pim ssm range 232.0.0.0/8
vrf context management
vlan 1
vlan 36
  name DeviceMgmtHigh
vlan 37
  name DeviceMgmtLow
vlan 38
  name UIM-OS-INSTALL
vlan 40-41
vlan 42
  name CoreManagement
vlan 43
  name WirelessSystems
vlan 44
  name PhysicalSec
vlan 45
  name VOICE
vlan 52
  name POS
vlan 151-152,154,161-162,164,180-181
spanning-tree domain 777
spanning-tree vlan 1 priority 4096
ip prefix-list VLAN41 seq 5 permit 192.168.41.0/24
route-map VLAN41 permit 20
  match ip address prefix-list VLAN41
vpc domain 99
  peer-switch
  peer-keepalive destination 192.168.10.66 source 192.168.10.65 vrf VPC
  peer-gateway


interface Vlan1
  no shutdown
  no ip redirects

interface Vlan36
  no shutdown
  description DeviceMgmtHigh
  vrf member servers1
  no ip redirects
  ip address 192.168.36.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
```

```
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.36.1

interface Vlan37
  no shutdown
  description DeviceMgmtLow
  vrf member servers1
  no ip redirects
  ip address 192.168.37.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.37.1

interface Vlan38
  no shutdown
  description UIM OS Install only
  vrf member servers1
  no ip redirects
  ip address 192.168.38.201/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3

interface Vlan40
  no shutdown
  vrf member servers1
  no ip redirects
  ip address 192.168.40.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.40.1

interface Vlan41
  shutdown
  description SHUTDOWN - NOW ROUTE VIA HyTrust
  vrf member servers1
  no ip redirects
  ip address 192.168.41.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
```

```
    priority 120 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.41.1

interface Vlan42
  no shutdown
  vrf member servers1
  no ip redirects
  ip address 192.168.42.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.42.1

interface Vlan43
  no shutdown
  description Wireless Systems
  vrf member servers1
  no ip redirects
  ip address 192.168.43.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.43.1

interface Vlan44
  no shutdown
  description Wireless Systems
  vrf member servers1
  no ip redirects
  ip address 192.168.44.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.44.1

interface Vlan45
  no shutdown
  description VOICE
  vrf member servers1
  no ip redirects
  ip address 192.168.45.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
```

```
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.45.1

interface Vlan52
  no shutdown
  description POS
  vrf member servers1
  no ip redirects
  ip address 192.168.52.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.52.1

interface Vlan154
  no shutdown
  vrf member servers2
  no ip redirects
  ip address 192.168.152.5/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.152.7

interface Vlan164
  no shutdown
  vrf member servers1
  no ip redirects
  ip address 192.168.162.5/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.162.7

interface Vlan180
  no shutdown
  vrf member servers1
  no ip redirects
  ip address 192.168.180.3/24
  ip ospf passive-interface
```

```
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.180.1

interface Vlan181
  no shutdown
  vrf member servers2
  no ip redirects
  ip address 192.168.181.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.181.1

interface port-channel1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  vpc 1

interface port-channel2
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  vpc 2

interface port-channel3
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  vpc 3

interface port-channel4
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  vpc 4

interface port-channel11
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  spanning-tree port type edge trunk
  vpc 11

interface port-channel12
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  spanning-tree port type edge trunk
  vpc 12
```

```
interface port-channel99
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  spanning-tree port type network
  spanning-tree guard loop
  vpc peer-link

interface Ethernet1/2
  description F-UCS-1_E2/1 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  channel-group 11 mode active
  no shutdown

interface Ethernet1/4
  description F-UCS-1_E2/2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  channel-group 11 mode active
  no shutdown

interface Ethernet1/6
  description F-UCS-2_E2/1 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  channel-group 12 mode active
  no shutdown

interface Ethernet1/8
  description F-UCS-2_E2/2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  channel-group 12 mode active
  no shutdown

interface Ethernet1/9
  description SACCESS-3 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 3 mode active
  no shutdown

interface Ethernet1/10
  description SACCESS-3 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 3 mode active
  no shutdown

interface Ethernet1/11
  description SACCESS-4 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 4 mode active
  no shutdown
```

```
interface Ethernet1/12
  description SACCESS-4 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 4 mode active
  no shutdown

interface Ethernet1/13
  description SACCESS-1 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  channel-group 1 mode active
  no shutdown

interface Ethernet1/14
  description SACCESS-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  channel-group 2 mode active
  no shutdown

interface Ethernet1/15
  description to RSERV-1 T2/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 162
  spanning-tree port type normal
  no shutdown

interface Ethernet1/16
  description to RSERV-1 T2/2
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 152
  spanning-tree port type normal
  no shutdown

interface Ethernet1/17
  description to RSERV-1 T2/5
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 41-44,164
  spanning-tree port type normal
  no shutdown

interface Ethernet1/18
  description to RSERV-1 T2/6
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 154
  spanning-tree port type normal
  no shutdown

interface Ethernet1/19
  description to DC-ASA-1 vc1 T5/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 162
  spanning-tree port type normal
  no shutdown
```

```
interface Ethernet1/20
  description to DC-ASA-1 vc2 T7/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 152
  spanning-tree port type normal
  no shutdown

interface Ethernet1/21
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  udld aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet1/22
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  udld aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet1/23
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  udld aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet1/24
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  udld aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet2/13
  description SACCESS-5
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  no shutdown

interface Ethernet2/14
  description linkstate for vpc
  no switchport
  vrf member VPC
  ip address 192.168.10.65/30
  no shutdown

interface Ethernet2/15
  no switchport

interface Ethernet2/16
  no switchport
```

```
interface Ethernet2/17
  no switchport

interface Ethernet2/18
  no switchport

interface Ethernet2/19
  no switchport

interface Ethernet2/20
  no switchport

interface Ethernet2/21
  no switchport

interface Ethernet2/22
  no switchport

interface Ethernet2/23
  no switchport

interface Ethernet2/24
  no switchport

interface Ethernet2/25
  no switchport

interface Ethernet2/26
  no switchport

interface Ethernet2/27
  no switchport

interface Ethernet2/28
  no switchport

interface Ethernet2/29
  no switchport

interface Ethernet2/30
  no switchport

interface Ethernet2/31
  no switchport

interface Ethernet2/32
  no switchport

interface Ethernet2/33
  no switchport

interface Ethernet2/34
  no switchport

interface Ethernet2/35
  no switchport

interface Ethernet2/36
  no switchport

interface Ethernet2/37
  no switchport

interface Ethernet2/38
```

```
  no switchport

interface Ethernet2/39
  no switchport

interface Ethernet2/40
  no switchport

interface Ethernet2/41
  no switchport

interface Ethernet2/42
  no switchport

interface Ethernet2/43
  no switchport

interface Ethernet2/44
  no switchport

interface Ethernet2/45
  no switchport

interface Ethernet2/46
  no switchport

interface Ethernet2/47
  no switchport

interface Ethernet2/48
  no switchport

interface loopback0
  vrf member servers1
  ip address 192.168.1.31/32
  ip router ospf 5 area 0.0.0.81
logging server 192.168.42.124 6 use-vrf servers1
logging source-interface loopback 0
  logout-warning 20
line console
  exec-timeout 15
line vty
  exec-timeout 15
  access-class 23 in
router ospf 5
  vrf servers1
    router-id 4.4.4.1
    area 0.0.0.81 nssa
    redistribute static route-map VLAN41
    area 0.0.0.81 range 192.168.0.0/16
    area 0.0.0.81 range 192.168.162.0/24
    area 0.0.0.81 authentication message-digest
    timers throttle spf 10 100 5000
  vrf servers2
    router-id 5.5.5.1
    area 0.0.0.81 nssa
    area 0.0.0.81 range 192.168.0.0/16
    area 0.0.0.81 range 192.168.152.0/24
    area 0.0.0.81 authentication message-digest
    timers throttle spf 10 100 5000
ip pim ssm range 232.0.0.0/8
```

RAGG-2-running

```
!Command: show running-config
!Time: Sun Apr 24 16:52:03 2011

version 5.1(2)
hostname RAGG-2
vdc RAGG-2 id 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 32 maximum 32
  limit-resource u6route-mem minimum 16 maximum 16
  limit-resource m4route-mem minimum 48 maximum 48
  limit-resource m6route-mem minimum 8 maximum 8
vdc vdc1 id 2
  allocate interface Ethernet1/1,Ethernet1/3,Ethernet1/5,Ethernet1/7,Ethernet1/25-32
  allocate interface Ethernet2/1-12
  boot-order 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 8 maximum 8
  limit-resource u6route-mem minimum 4 maximum 4
  limit-resource m4route-mem minimum 8 maximum 8
  limit-resource m6route-mem minimum 5 maximum 5
vdc vdc2 id 3
  allocate interface Ethernet1/2,Ethernet1/4,Ethernet1/6,Ethernet1/8-24
  allocate interface Ethernet2/13-48
  boot-order 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 8 maximum 8
  limit-resource u6route-mem minimum 4 maximum 4
  limit-resource m4route-mem minimum 8 maximum 8
  limit-resource m6route-mem minimum 5 maximum 5

feature privilege
feature tacacs+

username admin password 5 <removed> role network-admin
username retail password 5 <removed> role network-admin
username bart password 5 <removed> role network-admin
username emc-ncm password 5 <removed> role network-admin
enable secret 5 <removed>

banner motd @
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TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
```

```
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
@

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host RAGG-2 192.168.42.37
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf management
ip access-list 23
  statistics per-entry
  10 permit ip 127.0.0.1/32 192.168.42.37/32
  20 permit ip 192.168.41.101/32 192.168.42.37/32
  30 permit ip 192.168.41.102/32 192.168.42.37/32
  40 permit ip 192.168.42.111/32 192.168.42.37/32
  50 permit ip 192.168.42.122/32 192.168.42.37/32
  60 permit ip 192.168.42.131/32 192.168.42.37/32
  70 permit ip 192.168.42.133/32 192.168.42.37/32
  80 permit ip 192.168.42.138/32 192.168.42.37/32
  90 permit ip 10.19.151.99/32 192.168.42.37/32
  100 deny ip any any
ip access-list 88
  statistics per-entry
  10 permit ip 192.168.42.122/32 192.168.42.37/32
  20 deny ip any any
ip access-list copp-system-acl-bgp
  10 permit tcp any gt 1024 any eq bgp
  20 permit tcp any eq bgp any gt 1024
ipv6 access-list copp-system-acl-bgp6
  10 permit tcp any gt 1024 any eq bgp
  20 permit tcp any eq bgp any gt 1024
ip access-list copp-system-acl-eigrp
  10 permit eigrp any any
ip access-list copp-system-acl-ftp
  10 permit tcp any any eq ftp-data
  20 permit tcp any any eq ftp
  30 permit tcp any eq ftp-data any
  40 permit tcp any eq ftp any
ip access-list copp-system-acl-glbp
  10 permit udp any eq 3222 224.0.0.0/24 eq 3222
ip access-list copp-system-acl-hsrp
  10 permit udp any 224.0.0.0/24 eq 1985
ip access-list copp-system-acl-icmp
  10 permit icmp any any echo
  20 permit icmp any any echo-reply
ipv6 access-list copp-system-acl-icmp6
  10 permit icmp any any echo-request
  20 permit icmp any any echo-reply
ipv6 access-list copp-system-acl-icmp6-msgs
  10 permit icmp any any router-advertisement
  20 permit icmp any any router-solicitation
  30 permit icmp any any nd-na
  40 permit icmp any any nd-ns
  50 permit icmp any any mld-query
  60 permit icmp any any mld-report
  70 permit icmp any any mld-reduction
```

```
ip access-list copp-system-acl-igmp
  10 permit igmp any 224.0.0.0/3
ip access-list copp-system-acl-msdp
  10 permit tcp any gt 1024 any eq 639
  20 permit tcp any eq 639 any gt 1024
ip access-list copp-system-acl-ntp
  10 permit udp any any eq ntp
  20 permit udp any eq ntp any
ipv6 access-list copp-system-acl-ntp6
  10 permit udp any any eq ntp
  20 permit udp any eq ntp any
ip access-list copp-system-acl-ospf
  10 permit ospf any any
ipv6 access-list copp-system-acl-ospf6
  10 permit 89 any any
ip access-list copp-system-acl-pim
  10 permit pim any 224.0.0.0/24
  20 permit udp any any eq pim-auto-rp
ip access-list copp-system-acl-pim-reg
  10 permit pim any any
ipv6 access-list copp-system-acl-pim6
  10 permit 103 any ff02::d/128
  20 permit udp any any eq pim-auto-rp
ip access-list copp-system-acl-radius
  10 permit udp any any eq 1812
  20 permit udp any any eq 1813
  30 permit udp any any eq 1645
  40 permit udp any any eq 1646
  50 permit udp any eq 1812 any
  60 permit udp any eq 1813 any
  70 permit udp any eq 1645 any
  80 permit udp any eq 1646 any
ipv6 access-list copp-system-acl-radius6
  10 permit udp any any eq 1812
  20 permit udp any any eq 1813
  30 permit udp any any eq 1645
  40 permit udp any any eq 1646
  50 permit udp any eq 1812 any
  60 permit udp any eq 1813 any
  70 permit udp any eq 1645 any
  80 permit udp any eq 1646 any
ip access-list copp-system-acl-rip
  10 permit udp any 224.0.0.0/24 eq rip
ip access-list copp-system-acl-sftp
  10 permit tcp any any eq 115
  20 permit tcp any eq 115 any
ip access-list copp-system-acl-snmp
  10 permit udp any any eq snmp
  20 permit udp any any eq snmptrap
ip access-list copp-system-acl-ssh
  10 permit tcp any any eq 22
  20 permit tcp any eq 22 any
ipv6 access-list copp-system-acl-ssh6
  10 permit tcp any any eq 22
  20 permit tcp any eq 22 any
ip access-list copp-system-acl-tacacs
  10 permit tcp any any eq tacacs
  20 permit tcp any eq tacacs any
ipv6 access-list copp-system-acl-tacacs6
  10 permit tcp any any eq tacacs
  20 permit tcp any eq tacacs any
ip access-list copp-system-acl-telnet
  10 permit tcp any any eq telnet
  20 permit tcp any any eq 107
```

```
  30 permit tcp any eq telnet any
  40 permit tcp any eq 107 any
ipv6 access-list copp-system-acl-telnet6
  10 permit tcp any any eq telnet
  20 permit tcp any any eq 107
  30 permit tcp any eq telnet any
  40 permit tcp any eq 107 any
ip access-list copp-system-acl-tftp
  10 permit udp any any eq tftp
  20 permit udp any any eq 1758
  30 permit udp any eq tftp any
  40 permit udp any eq 1758 any
ipv6 access-list copp-system-acl-tftp6
  10 permit udp any any eq tftp
  20 permit udp any any eq 1758
  30 permit udp any eq tftp any
  40 permit udp any eq 1758 any
ip access-list copp-system-acl-traceroute
  10 permit icmp any any ttl-exceeded
  20 permit icmp any any port-unreachable
ip access-list copp-system-acl-undesirable
  10 permit udp any any eq 1434
ip access-list copp-system-acl-vpc
  10 permit udp any any eq 3200
ip access-list copp-system-acl-vrrp
  10 permit 112 any 224.0.0.0/24
class-map type control-plane match-any copp-system-class-critical
  match access-group name copp-system-acl-bgp
  match access-group name copp-system-acl-bgp6
  match access-group name copp-system-acl-eigrp
  match access-group name copp-system-acl-igmp
  match access-group name copp-system-acl-msdp
  match access-group name copp-system-acl-ospf
  match access-group name copp-system-acl-ospf6
  match access-group name copp-system-acl-pim
  match access-group name copp-system-acl-pim6
  match access-group name copp-system-acl-rip
  match access-group name copp-system-acl-vpc
class-map type control-plane match-any copp-system-class-exception
  match exception ip option
  match exception ip icmp unreachable
  match exception ipv6 option
  match exception ipv6 icmp unreachable
class-map type control-plane match-any copp-system-class-important
  match access-group name copp-system-acl-glbp
  match access-group name copp-system-acl-hsrp
  match access-group name copp-system-acl-vrrp
  match access-group name copp-system-acl-icmp6-msgs
  match access-group name copp-system-acl-pim-reg
class-map type control-plane match-any copp-system-class-management
  match access-group name copp-system-acl-ftp
  match access-group name copp-system-acl-ntp
  match access-group name copp-system-acl-ntp6
  match access-group name copp-system-acl-radius
  match access-group name copp-system-acl-sftp
  match access-group name copp-system-acl-snmp
  match access-group name copp-system-acl-ssh
  match access-group name copp-system-acl-ssh6
  match access-group name copp-system-acl-tacacs
  match access-group name copp-system-acl-telnet
  match access-group name copp-system-acl-tftp
  match access-group name copp-system-acl-tftp6
  match access-group name copp-system-acl-radius6
  match access-group name copp-system-acl-tacacs6
```

```
  match access-group name copp-system-acl-telnet6
class-map type control-plane match-any copp-system-class-monitoring
  match access-group name copp-system-acl-icmp
  match access-group name copp-system-acl-icmp6
  match access-group name copp-system-acl-traceroute
class-map type control-plane match-any copp-system-class-normal
  match protocol arp
class-map type control-plane match-any copp-system-class-redirect
  match redirect dhcp-snoop
  match redirect arp-inspect
class-map type control-plane match-any copp-system-class-undesirable
  match access-group name copp-system-acl-undesirable
policy-map type control-plane copp-system-policy
  class copp-system-class-critical
    police cir 39600 kbps bc 250 ms conform transmit violate drop
  class copp-system-class-important
    police cir 1060 kbps bc 1000 ms conform transmit violate drop
  class copp-system-class-management
    police cir 10000 kbps bc 250 ms conform transmit violate drop
  class copp-system-class-normal
    police cir 680 kbps bc 250 ms conform transmit violate drop
  class copp-system-class-redirect
    police cir 280 kbps bc 250 ms conform transmit violate drop
  class copp-system-class-monitoring
    police cir 130 kbps bc 1000 ms conform transmit violate drop
  class copp-system-class-exception
    police cir 360 kbps bc 250 ms conform transmit violate drop
  class copp-system-class-undesirable
    police cir 32 kbps bc 250 ms conform drop violate drop
  class class-default
    police cir 100 kbps bc 250 ms conform transmit violate drop
control-plane
  service-policy input copp-system-policy
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
ntp server 192.168.62.161 use-vrf management
ntp server 192.168.62.162 use-vrf management
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
  ip route 0.0.0.0/0 192.168.42.1
vlan 1

interface mgmt0
  ip address 192.168.42.37/24
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
  logout-warning 20
line console
  exec-timeout 15
line vty
  exec-timeout 15
  access-class 23 in
boot kickstart bootflash:/n7000-s1-kickstart.5.1.2.bin sup-1
boot system bootflash:/n7000-s1-dk9.5.1.2.bin sup-1
boot kickstart bootflash:/n7000-s1-kickstart.5.1.2.bin sup-2
boot system bootflash:/n7000-s1-dk9.5.1.2.bin sup-2
logging server 192.168.42.124 6 use-vrf management
```

RAGG-2-vdc1-running

```
!Command: show running-config
!Time: Sun Apr 24 16:52:35 2011

version 5.1(2)
hostname vdc1

feature privilege
feature tacacs+
cfs eth distribute
feature ospf
feature pim
feature udld
feature interface-vlan
feature hsrp
feature lacp
feature glbp
feature vpc

username admin password 5 <removed>   role vdc-admin
username retail password 5 <removed>   role vdc-admin
username emc-ncm password 5 <removed>   role vdc-admin
username bart password 5 <removed>   role vdc-admin
enable secret 5 <removed>

banner motd @
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@

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    source-interface loopback0
ip access-list 23
  statistics per-entry
  10 permit ip 127.0.0.1/32 192.168.1.12/32
  20 permit ip 192.168.41.101/32 192.168.1.12/32
  30 permit ip 192.168.41.102/32 192.168.1.12/32
  40 permit ip 192.168.42.111/32 192.168.1.12/32
  50 permit ip 192.168.42.122/32 192.168.1.12/32
  60 permit ip 192.168.42.131/32 192.168.1.12/32
  70 permit ip 192.168.42.133/32 192.168.1.12/32
  80 permit ip 192.168.42.138/32 192.168.1.12/32
```

```
  90 permit ip 10.19.151.99/32 192.168.1.12/32
  100 deny ip any any
ip access-list 88
  statistics per-entry
  10 permit ip 192.168.42.122/32 192.168.1.12/32
  20 deny ip any any
snmp-server user admin vdc-admin auth md5 <removed> priv <removed> localizedkey
aaa authentication login default group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
vlan 1,3,151,161

interface Vlan1

interface Vlan3
  no shutdown
  ip address 192.168.10.62/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 3
  ip ospf hello-interval 1
  ip router ospf 5 area 0.0.0.0

interface Vlan151
  no shutdown
  ip address 192.168.152.4/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 10 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.152.1

interface Vlan161
  no shutdown
  ip address 192.168.162.4/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 10 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.162.1

interface port-channel99
  switchport
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/1
  description 10Gig LINK to RCORE-1 T2/2
  no switchport
```

```
  logging event port link-status
  no ip redirects
  ip address 192.168.10.18/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 6
  ip ospf hello-interval 2
  ip ospf network point-to-point
  ip router ospf 5 area 0.0.0.0
  ip pim sparse-mode
  ip igmp version 3
  no shutdown

interface Ethernet1/3
  description 10Gig LINK to RCORE-2 T2/2
  no switchport
  logging event port link-status
  no ip redirects
  ip address 192.168.10.26/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 6
  ip ospf hello-interval 2
  ip ospf network point-to-point
  ip router ospf 5 area 0.0.0.0
  ip pim sparse-mode
  ip igmp version 3
  no shutdown

interface Ethernet1/5
  description to DC-ASA-2 vc1 T0/6
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 161
  spanning-tree port type normal
  no shutdown

interface Ethernet1/7
  description to DC-ASA-2 vc2 T0/8
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 151
  spanning-tree port type normal
  no shutdown

interface Ethernet1/25
  no switchport

interface Ethernet1/26
  no switchport

interface Ethernet1/27
  no switchport

interface Ethernet1/28
  no switchport

interface Ethernet1/29
  description RAGG-1 vPC Channel link
  switchport
  switchport mode trunk
  channel-group 99 mode active
  no shutdown
```

```
interface Ethernet1/30
  description RAGG-1 vPC Channel link
  switchport
  switchport mode trunk
  channel-group 99 mode active
  no shutdown

interface Ethernet1/31
  description RAGG-1 vPC Channel link
  switchport
  switchport mode trunk
  channel-group 99 mode active
  no shutdown

interface Ethernet1/32
  description RAGG-1 vPC Channel link
  switchport
  switchport mode trunk
  channel-group 99 mode active
  no shutdown

interface Ethernet2/1
  no switchport

interface Ethernet2/2
  no switchport

interface Ethernet2/3
  no switchport

interface Ethernet2/4
  no switchport

interface Ethernet2/5
  no switchport

interface Ethernet2/6
  no switchport

interface Ethernet2/7
  no switchport

interface Ethernet2/8
  no switchport

interface Ethernet2/9
  no switchport

interface Ethernet2/10
  no switchport

interface Ethernet2/11
  no switchport

interface Ethernet2/12
  no switchport

interface loopback0
  ip address 192.168.1.12/32
  ip router ospf 5 area 0.0.0.0
logging server 192.168.42.124 6
logging source-interface loopback 0
  logout-warning 20
line console
```

```
  exec-timeout 15
line vty
  exec-timeout 15
  access-class 23 in
router ospf 5
  router-id 192.168.1.12
  area 0.0.0.81 nssa
  area 0.0.0.0 range 192.168.1.12/32
  area 0.0.0.0 range 192.168.10.12/30
  area 0.0.0.0 range 192.168.10.20/30
  area 0.0.0.0 range 192.168.10.60/30
  area 0.0.0.81 range 192.168.152.0/24
  area 0.0.0.81 range 192.168.162.0/24
  area 0.0.0.0 authentication message-digest
  area 0.0.0.81 authentication message-digest
  timers throttle spf 10 100 5000
  auto-cost reference-bandwidth 10000
ip pim ssm range 232.0.0.0/8
```

RAGG-2-vdc2-running

```
!Command: show running-config
!Time: Sun Apr 24 16:53:03 2011

version 5.1(2)
hostname vdc2

feature privilege
feature tacacs+
cfs eth distribute
feature ospf
feature pim
feature udld
feature interface-vlan
feature hsrp
feature lacp
feature dhcp
feature vpc

username admin password 5 <removed>   role vdc-admin
username retail password 5 <removed>   role vdc-admin
username bart password 5 <removed>   role vdc-admin
username emc-ncm password 5 <removed>   role vdc-admin
enable secret 5 <removed>

banner motd @
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
```

```
@

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf servers1
    source-interface loopback0
ip access-list 23
  statistics per-entry
  10 permit ip 127.0.0.1/32 192.168.1.32/32
  20 permit ip 192.168.41.101/32 192.168.1.32/32
  30 permit ip 192.168.41.102/32 192.168.1.32/32
  40 permit ip 192.168.42.111/32 192.168.1.32/32
  50 permit ip 192.168.42.122/32 192.168.1.32/32
  60 permit ip 192.168.42.131/32 192.168.1.32/32
  70 permit ip 192.168.42.133/32 192.168.1.32/32
  80 permit ip 192.168.42.138/32 192.168.1.32/32
  90 permit ip 10.19.151.99/32 192.168.1.32/32
  100 deny ip any any
ip access-list 88
  statistics per-entry
  10 permit ip 192.168.42.122/32 192.168.1.32/32
  20 deny ip any any
snmp-server user admin vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail vdc-admin auth md5 <removed> priv <removed> localizedkey
aaa authentication login default group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context VPC
vrf context servers1
  ip route 0.0.0.0/0 192.168.36.3
  ip pim ssm range 232.0.0.0/8
vrf context servers2
  ip pim ssm range 232.0.0.0/8
vrf context management
vlan 1
vlan 36
  name DeviceMgmtHigh
vlan 37
  name DeviceMgmtLow
vlan 38
  name UIM-OS-INSTALL
vlan 40-41
vlan 42
  name CoreManagement
vlan 43
  name WirelessSystems
vlan 44
  name PhysicalSec
vlan 45
  name VOICE
vlan 52
  name POS
vlan 151-152,154,161-162,164,180-181
spanning-tree domain 777
ip prefix-list VLAN41 seq 5 permit 192.168.41.0/24
route-map VLAN41 permit 20
```

```
  match ip address prefix-list VLAN41
service dhcp
ip dhcp relay
vpc domain 99
  peer-keepalive destination 192.168.10.65 source 192.168.10.66 vrf VPC


interface Vlan1
  no ip redirects
  no shutdown

interface Vlan36
  vrf member servers1
  no ip redirects
  ip address 192.168.36.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 105 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.36.1
  no shutdown
  description DeviceMgmtHigh

interface Vlan37
  vrf member servers1
  no ip redirects
  ip address 192.168.37.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 105 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.37.1
  no shutdown
  description DeviceMgmtLow

interface Vlan38
  vrf member servers1
  no ip redirects
  ip address 192.168.38.202/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  no shutdown
  description UIM OS Install only

interface Vlan40
  vrf member servers1
  no ip redirects
  ip address 192.168.40.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
```

```
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 105 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.40.1
  no shutdown

interface Vlan41
  vrf member servers1
  ip address 192.168.41.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 90 forwarding-threshold lower 1 upper 1
    timers  1  3
    ip 192.168.41.1
  shutdown
  description SHUTDOWN - NOW ROUTE VIA HyTrust

interface Vlan42
  vrf member servers1
  no ip redirects
  ip address 192.168.42.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 105 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.42.1
  no shutdown

interface Vlan43
  vrf member servers1
  no ip redirects
  ip address 192.168.43.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 105 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.43.1
  no shutdown
  description Wireless Systems

interface Vlan44
  vrf member servers1
  no ip redirects
  ip address 192.168.44.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
```

```
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 105 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.44.1
  no shutdown
  description Wireless Systems

interface Vlan45
  vrf member servers1
  no ip redirects
  ip address 192.168.45.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 105 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.45.1
  no shutdown
  description VOICE

interface Vlan52
  vrf member servers1
  no ip redirects
  ip address 192.168.52.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 105 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.52.1
  no shutdown
  description POS

interface Vlan154
  vrf member servers2
  no ip redirects
  ip address 192.168.152.6/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.152.7
  no shutdown

interface Vlan164
  vrf member servers1
  no ip redirects
```

```
  ip address 192.168.162.6/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.162.7
  no shutdown

interface Vlan180
  vrf member servers1
  no ip redirects
  ip address 192.168.180.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.180.1
  no shutdown

interface Vlan181
  vrf member servers2
  no ip redirects
  ip address 192.168.181.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers  1  3
    ip 192.168.181.1
  no shutdown

interface port-channel1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  vpc 1

interface port-channel2
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  vpc 2

interface port-channel3
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  vpc 3
```

```
interface port-channel4
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  vpc 4

interface port-channel11
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  spanning-tree port type edge trunk
  vpc 11

interface port-channel12
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  spanning-tree port type edge trunk
  vpc 12

interface port-channel99
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  spanning-tree port type network
  spanning-tree guard loop
  vpc peer-link

interface Ethernet1/2
  description F-UCS-1_E2/1 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  channel-group 11 mode active
  no shutdown

interface Ethernet1/4
  description F-UCS-1_E2/2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  spanning-tree port type normal
  channel-group 11 mode active
  no shutdown

interface Ethernet1/6
  description F-UCS-2_E2/1 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  channel-group 12 mode active
  no shutdown

interface Ethernet1/8
  description F-UCS-2_E2/2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  channel-group 12 mode active
  no shutdown

interface Ethernet1/9
  description SACCESS-3 vPC Channel link
  switchport
```

```
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 3 mode active
  no shutdown

interface Ethernet1/10
  description SACCESS-3 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 3 mode active
  no shutdown

interface Ethernet1/11
  description SACCESS-4 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 4 mode active
  no shutdown

interface Ethernet1/12
  description SACCESS-4 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 4 mode active
  no shutdown

interface Ethernet1/13
  description SACCESS-1 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  channel-group 1 mode active
  no shutdown

interface Ethernet1/14
  description SACCESS-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  channel-group 2 mode active
  no shutdown

interface Ethernet1/15
  no switchport

interface Ethernet1/16
  no switchport

interface Ethernet1/17
  description to RSERV-2 T2/6
  switchport
  switchport mode trunk
  spanning-tree port type normal
  no shutdown

interface Ethernet1/18
  description to RSERV-2 T2/5
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 42,164
  no shutdown
```

```
interface Ethernet1/19
  description to DC-ASA-2 vc1 T5/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 152
  spanning-tree port type normal
  no shutdown

interface Ethernet1/20
  description to DC-ASA-2 vc2 T7/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 152
  spanning-tree port type normal
  no shutdown

interface Ethernet1/21
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  udld aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet1/22
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  udld aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet1/23
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  udld aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet1/24
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  udld aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet2/13
  description SACCESS-5 vPC Channel link
  switchport
  switchport mode trunk

interface Ethernet2/14
  description linkstate for vpc
  no switchport
  vrf member VPC
  ip address 192.168.10.66/30
  no shutdown
```

```
interface Ethernet2/15
  no switchport

interface Ethernet2/16
  no switchport

interface Ethernet2/17
  no switchport

interface Ethernet2/18
  no switchport

interface Ethernet2/19
  no switchport

interface Ethernet2/20
  no switchport

interface Ethernet2/21
  no switchport

interface Ethernet2/22
  no switchport

interface Ethernet2/23
  no switchport

interface Ethernet2/24
  no switchport

interface Ethernet2/25
  no switchport

interface Ethernet2/26
  no switchport

interface Ethernet2/27
  no switchport

interface Ethernet2/28
  no switchport

interface Ethernet2/29
  no switchport

interface Ethernet2/30
  no switchport

interface Ethernet2/31
  no switchport

interface Ethernet2/32
  no switchport

interface Ethernet2/33
  no switchport

interface Ethernet2/34
  no switchport

interface Ethernet2/35
  no switchport
```

```
interface Ethernet2/36
  no switchport

interface Ethernet2/37
  no switchport

interface Ethernet2/38
  no switchport

interface Ethernet2/39
  no switchport

interface Ethernet2/40
  no switchport

interface Ethernet2/41
  no switchport

interface Ethernet2/42
  no switchport

interface Ethernet2/43
  no switchport

interface Ethernet2/44
  no switchport

interface Ethernet2/45
  no switchport

interface Ethernet2/46
  no switchport

interface Ethernet2/47
  no switchport

interface Ethernet2/48
  no switchport

interface loopback0
  vrf member servers1
  ip address 192.168.1.32/32
  ip router ospf 5 area 0.0.0.81
logging server 192.168.42.124 6 use-vrf servers1
logging source-interface loopback 0
  logout-warning 20
line console
  exec-timeout 15
line vty
  exec-timeout 15
  access-class 23 in
router ospf 5
  vrf servers1
    router-id 4.4.4.2
    area 0.0.0.81 nssa
    area 0.0.0.81 range 192.168.0.0/16
    area 0.0.0.81 range 192.168.162.0/24
    area 0.0.0.81 authentication message-digest
    timers throttle spf 10 100 5000
  vrf servers2
    router-id 5.5.5.2
    area 0.0.0.81 nssa
    area 0.0.0.81 range 192.168.0.0/16
    area 0.0.0.81 range 192.168.152.0/24
```

```
    area 0.0.0.81 authentication message-digest
    timers throttle spf 10 100 5000
ip pim ssm range 232.0.0.0/8
```

rcore-1

```
!
! Last configuration change at 01:37:46 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:37:47 PSTDST Sat Apr 30 2011 by retail
!
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 sequence-numbers
service counters max age 5
!
hostname RCORE-1
!
boot-start-marker
boot system flash disk0:s72033-adventerprisek9_wan-mz.122-33.SXJ.bin
boot-end-marker
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
ip wccp 61
ip wccp 62
!
!
!
no ip bootp server
```

```
ip multicast-routing
ip ssh version 2
ip scp server enable
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
ipv6 mfib hardware-switching replication-mode ingress
vtp domain CiscoRetail
vtp mode transparent
mls ip cef load-sharing full simple
no mls acl tcam share-global
mls netflow interface
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1104
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1104
 revocation-check none
 rsakeypair TP-self-signed-1104
!
!
crypto pki certificate chain TP-self-signed-1104
 certificate self-signed 01
  <removed>
  quit
!
!
!
!
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
spanning-tree mode rapid-pvst
spanning-tree loopguard default
no spanning-tree optimize bpdu transmission
spanning-tree extend system-id
spanning-tree pathcost method long
environment temperature-controlled
diagnostic bootup level minimal
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
redundancy
```

```
 main-cpu
  auto-sync running-config
 mode sso
!
!
vlan internal allocation policy descending
vlan dot1q tag native
vlan access-log ratelimit 2000
!
!
!
!
!
interface Loopback0
 ip address 192.168.1.1 255.255.255.255
!
interface Port-channel99
 ip address 192.168.10.29 255.255.255.252
 no ip redirects
 no ip proxy-arp
 ip pim sparse-dense-mode
 ip ospf authentication message-digest
 ip ospf message-digest-key 1 md5 7 <removed>
 ip ospf network point-to-point
 ip ospf hello-interval 2
 ip ospf dead-interval 6
 logging event link-status
!
interface GigabitEthernet1/1
 description to DC WAN_SWAN-3
 ip address 192.168.11.11 255.255.255.0
 standby 0 ip 192.168.11.10
 standby 0 priority 101
 standby 0 preempt
!
interface GigabitEthernet1/2
 no ip address
 shutdown
!
interface GigabitEthernet1/3
 no ip address
 shutdown
!
interface GigabitEthernet1/4
 no ip address
 shutdown
!
interface GigabitEthernet1/5
 no ip address
 shutdown
!
interface GigabitEthernet1/6
 no ip address
 shutdown
!
interface GigabitEthernet1/7
 no ip address
 shutdown
!
interface GigabitEthernet1/8
 no ip address
 shutdown
!
interface GigabitEthernet1/9
```

```
 no ip address
 shutdown
!
interface GigabitEthernet1/10
 no ip address
 shutdown
!
interface GigabitEthernet1/11
 no ip address
 shutdown
!
interface GigabitEthernet1/12
 no ip address
 shutdown
!
interface GigabitEthernet1/13
 no ip address
 shutdown
!
interface GigabitEthernet1/14
 no ip address
 shutdown
!
interface GigabitEthernet1/15
 no ip address
 shutdown
!
interface GigabitEthernet1/16
 no ip address
 shutdown
!
interface GigabitEthernet1/17
 no ip address
 shutdown
!
interface GigabitEthernet1/18
 no ip address
 shutdown
!
interface GigabitEthernet1/19
 no ip address
 shutdown
!
interface GigabitEthernet1/20
 no ip address
 shutdown
!
interface GigabitEthernet1/21
 no ip address
 shutdown
!
interface GigabitEthernet1/22
 no ip address
 shutdown
!
interface GigabitEthernet1/23
 no ip address
 shutdown
!
interface GigabitEthernet1/24
 no ip address
 shutdown
!
interface GigabitEthernet1/25
```

```
 no ip address
 shutdown
!
interface GigabitEthernet1/26
 no ip address
 shutdown
!
interface GigabitEthernet1/27
 no ip address
 shutdown
!
interface GigabitEthernet1/28
 no ip address
 shutdown
!
interface GigabitEthernet1/29
 no ip address
 shutdown
!
interface GigabitEthernet1/30
 no ip address
 shutdown
!
interface GigabitEthernet1/31
 no ip address
 shutdown
!
interface GigabitEthernet1/32
 no ip address
 shutdown
!
interface GigabitEthernet1/33
 no ip address
 shutdown
!
interface GigabitEthernet1/34
 no ip address
 shutdown
!
interface GigabitEthernet1/35
 no ip address
 shutdown
!
interface GigabitEthernet1/36
 no ip address
 shutdown
!
interface GigabitEthernet1/37
 no ip address
 shutdown
!
interface GigabitEthernet1/38
 no ip address
 shutdown
!
interface GigabitEthernet1/39
 no ip address
 shutdown
!
interface GigabitEthernet1/40
 no ip address
 shutdown
!
interface GigabitEthernet1/41
```

```
 no ip address
 shutdown
!
interface GigabitEthernet1/42
 no ip address
 shutdown
!
interface GigabitEthernet1/43
 no ip address
 shutdown
!
interface GigabitEthernet1/44
 no ip address
 shutdown
!
interface GigabitEthernet1/45
 no ip address
 shutdown
!
interface GigabitEthernet1/46
 no ip address
 shutdown
!
interface GigabitEthernet1/47
 no ip address
 shutdown
!
interface GigabitEthernet1/48
 no ip address
 shutdown
!
interface TenGigabitEthernet2/1
 description 10Gig LINK to RAGG-1 T1/3
 ip address 192.168.10.13 255.255.255.252
 no ip redirects
 no ip proxy-arp
 ip pim sparse-dense-mode
 ip igmp query-interval 125
 ip ospf authentication message-digest
 ip ospf message-digest-key 1 md5 7 <removed>
 ip ospf network point-to-point
 ip ospf hello-interval 2
 ip ospf dead-interval 6
 logging event link-status
!
interface TenGigabitEthernet2/2
 description 10Gig LINK to RAGG-2 T1/3
 ip address 192.168.10.17 255.255.255.252
 no ip redirects
 no ip proxy-arp
 ip pim sparse-dense-mode
 ip igmp query-interval 125
 ip ospf authentication message-digest
 ip ospf message-digest-key 1 md5 7 <removed>
 ip ospf network point-to-point
 ip ospf hello-interval 2
 ip ospf dead-interval 6
 logging event link-status
!
interface TenGigabitEthernet2/3
 description 10Gig LINK to RCORE-2
 no ip address
 channel-group 99 mode active
!
```

```
interface TenGigabitEthernet2/4
 description 10Gig LINK to RCORE-2
 no ip address
 channel-group 99 mode active
!
interface TenGigabitEthernet2/5
 no ip address
 shutdown
!
interface TenGigabitEthernet2/6
 no ip address
 shutdown
!
interface TenGigabitEthernet2/7
 no ip address
 shutdown
!
interface TenGigabitEthernet2/8
 no ip address
 shutdown
!
interface GigabitEthernet5/1
 no ip address
 shutdown
!
interface GigabitEthernet5/2
 no ip address
 shutdown
!
interface GigabitEthernet6/1
 no ip address
 shutdown
!
interface GigabitEthernet6/2
 no ip address
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
router ospf 5
 router-id 192.168.1.1
 log-adjacency-changes
 auto-cost reference-bandwidth 10000
 nsf
 redistribute static subnets
 passive-interface default
 no passive-interface TenGigabitEthernet2/1
 no passive-interface TenGigabitEthernet2/2
 no passive-interface Port-channel99
 network 192.168.0.0 0.0.255.255 area 0
 default-information originate metric 20 metric-type 1
!
ip classless
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.11.60 name default-to-internet
ip route 10.10.0.0 255.255.0.0 192.168.11.1 name route-to-stores
ip route 10.10.0.0 255.255.255.0 192.168.11.60 name route-to-SP
ip route 10.10.1.0 255.255.255.0 192.168.11.2
ip route 10.10.2.0 255.255.255.0 192.168.11.3
ip route 10.10.110.1 255.255.255.255 192.168.11.2
ip route 10.10.110.2 255.255.255.255 192.168.11.3
ip route 10.10.126.1 255.255.255.255 192.168.11.2
```

```
ip route 10.10.126.2 255.255.255.255 192.168.11.3
ip route 10.10.254.0 255.255.255.0 192.168.11.3
ip route 10.10.255.0 255.255.255.0 192.168.11.2
ip route 192.168.1.111 255.255.255.255 192.168.11.2
ip route 192.168.1.112 255.255.255.255 192.168.11.3
ip route 192.168.20.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.21.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.22.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.23.0 255.255.255.0 192.168.11.60 name route-to-DMZ
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip pim send-rp-discovery scope 2
ip tacacs source-interface Loopback0
!
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps MAC-Notification change move threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
dial-peer cor custom
!
```

```
!
!
banner exec C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner incoming C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****

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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!


!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
!
```

```
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
mac-address-table aging-time 480
!
end
```

rcore-2

```
!
! Last configuration change at 01:42:02 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:42:02 PSTDST Sat Apr 30 2011 by retail
!
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 sequence-numbers
service counters max age 5
!
hostname RCORE-2
!
boot-start-marker
boot system flash disk1:s72033-adventerprisek9_wan-mz.122-33.SXJ.bin
boot-end-marker
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed> username bart privilege 15 secret 5
<removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
call-home
 no alert-group configuration
 no alert-group diagnostic
```

```
 no alert-group environment
 no alert-group inventory
 no alert-group syslog
ip wccp 61
ip wccp 62
!
!
!
no ip bootp server
ip multicast-routing
ip ssh version 2
ip scp server enable
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
ipv6 mfib hardware-switching replication-mode ingress
vtp domain CiscoRetail
vtp mode transparent
mls ip cef load-sharing full simple
no mls acl tcam share-global
mls netflow interface
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1051
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1051
 revocation-check none
 rsakeypair TP-self-signed-1051
!
!
crypto pki certificate chain TP-self-signed-1051
 certificate self-signed 01
  <removed>
  quit
!
!
!
!
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
spanning-tree mode rapid-pvst
spanning-tree loopguard default
no spanning-tree optimize bpdu transmission
spanning-tree extend system-id
spanning-tree pathcost method long
environment temperature-controlled
diagnostic bootup level minimal
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
```

```
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
redundancy
 main-cpu
  auto-sync running-config
 mode sso
!
!
vlan internal allocation policy descending
vlan dot1q tag native
vlan access-log ratelimit 2000
!
!
!
!
!
interface Loopback0
 ip address 192.168.1.2 255.255.255.255
!
interface Port-channel99
 description link between CORE's
 ip address 192.168.10.30 255.255.255.252
 no ip redirects
 no ip proxy-arp
 ip pim sparse-dense-mode
 ip ospf authentication message-digest
 ip ospf message-digest-key 1 md5 7 <removed>
 ip ospf network point-to-point
 ip ospf hello-interval 2
 ip ospf dead-interval 6
 logging event link-status
!
interface GigabitEthernet1/1
 description to DC WAN_SWAN-3/4
 ip address 192.168.11.12 255.255.255.0
 standby 0 ip 192.168.11.10
 standby 0 priority 99
 standby 0 preempt
!
interface GigabitEthernet1/2
 no ip address
 shutdown
!
interface GigabitEthernet1/3
 no ip address
 shutdown
!
interface GigabitEthernet1/4
 no ip address
 shutdown
!
interface GigabitEthernet1/5
 no ip address
 shutdown
!
interface GigabitEthernet1/6
 no ip address
 shutdown
```

```
!
interface GigabitEthernet1/7
 no ip address
 shutdown
!
interface GigabitEthernet1/8
 no ip address
 shutdown
!
interface GigabitEthernet1/9
 no ip address
 shutdown
!
interface GigabitEthernet1/10
 no ip address
 shutdown
!
interface GigabitEthernet1/11
 no ip address
 shutdown
!
interface GigabitEthernet1/12
 no ip address
 shutdown
!
interface GigabitEthernet1/13
 no ip address
 shutdown
!
interface GigabitEthernet1/14
 no ip address
 shutdown
!
interface GigabitEthernet1/15
 no ip address
 shutdown
!
interface GigabitEthernet1/16
 no ip address
 shutdown
!
interface GigabitEthernet1/17
 no ip address
 shutdown
!
interface GigabitEthernet1/18
 no ip address
 shutdown
!
interface GigabitEthernet1/19
 no ip address
 shutdown
!
interface GigabitEthernet1/20
 no ip address
 shutdown
!
interface GigabitEthernet1/21
 no ip address
 shutdown
!
interface GigabitEthernet1/22
 no ip address
 shutdown
```

```
!
interface GigabitEthernet1/23
 no ip address
 shutdown
!
interface GigabitEthernet1/24
 no ip address
 shutdown
!
interface GigabitEthernet1/25
 no ip address
 shutdown
!
interface GigabitEthernet1/26
 no ip address
 shutdown
!
interface GigabitEthernet1/27
 no ip address
 shutdown
!
interface GigabitEthernet1/28
 no ip address
 shutdown
!
interface GigabitEthernet1/29
 no ip address
 shutdown
!
interface GigabitEthernet1/30
 no ip address
 shutdown
!
interface GigabitEthernet1/31
 no ip address
 shutdown
!
interface GigabitEthernet1/32
 no ip address
 shutdown
!
interface GigabitEthernet1/33
 no ip address
 shutdown
!
interface GigabitEthernet1/34
 no ip address
 shutdown
!
interface GigabitEthernet1/35
 no ip address
 shutdown
!
interface GigabitEthernet1/36
 no ip address
 shutdown
!
interface GigabitEthernet1/37
 no ip address
 shutdown
!
interface GigabitEthernet1/38
 no ip address
 shutdown
```

```
!
interface GigabitEthernet1/39
 no ip address
 shutdown
!
interface GigabitEthernet1/40
 no ip address
 shutdown
!
interface GigabitEthernet1/41
 no ip address
 shutdown
!
interface GigabitEthernet1/42
 no ip address
 shutdown
!
interface GigabitEthernet1/43
 no ip address
 shutdown
!
interface GigabitEthernet1/44
 no ip address
 shutdown
!
interface GigabitEthernet1/45
 no ip address
 shutdown
!
interface GigabitEthernet1/46
 no ip address
 shutdown
!
interface GigabitEthernet1/47
 no ip address
 shutdown
!
interface GigabitEthernet1/48
 no ip address
 shutdown
!
interface TenGigabitEthernet2/1
 description 10Gig LINK to RAGG-1 T1/4
 ip address 192.168.10.21 255.255.255.252
 no ip redirects
 no ip proxy-arp
 ip pim sparse-dense-mode
 ip igmp query-interval 125
 ip ospf authentication message-digest
 ip ospf message-digest-key 1 md5 7 <removed>
 ip ospf network point-to-point
 ip ospf hello-interval 2
 ip ospf dead-interval 6
 logging event link-status
!
interface TenGigabitEthernet2/2
 description 10Gig LINK to RAGG-2 T1/4
 ip address 192.168.10.25 255.255.255.252
 no ip redirects
 no ip proxy-arp
 ip pim sparse-dense-mode
 ip igmp query-interval 125
 ip ospf authentication message-digest
 ip ospf message-digest-key 1 md5 7 <removed>
```

```
 ip ospf network point-to-point
 ip ospf hello-interval 2
 ip ospf dead-interval 6
 logging event link-status
!
interface TenGigabitEthernet2/3
 description 10Gig LINK to RCORE-1
 no ip address
 channel-group 99 mode active
!
interface TenGigabitEthernet2/4
 description 10Gig LINK to RCORE-1
 no ip address
 channel-group 99 mode active
!
interface TenGigabitEthernet2/5
 no ip address
 shutdown
!
interface TenGigabitEthernet2/6
 no ip address
 shutdown
!
interface TenGigabitEthernet2/7
 no ip address
 shutdown
!
interface TenGigabitEthernet2/8
 no ip address
 shutdown
!
interface GigabitEthernet5/1
 no ip address
 shutdown
!
interface GigabitEthernet5/2
 no ip address
 shutdown
!
interface GigabitEthernet6/1
 no ip address
 shutdown
!
interface GigabitEthernet6/2
 no ip address
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
router ospf 5
 router-id 192.168.1.2
 log-adjacency-changes
 auto-cost reference-bandwidth 10000
 nsf
 redistribute static subnets
 passive-interface default
 no passive-interface TenGigabitEthernet2/1
 no passive-interface TenGigabitEthernet2/2
 no passive-interface Port-channel99
 network 192.168.0.0 0.0.255.255 area 0
 default-information originate metric 22 metric-type 1
!
```

```
ip classless
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.11.60 name default-to-internet
ip route 10.10.0.0 255.255.0.0 192.168.11.1 name route-to-stores
ip route 10.10.0.0 255.255.255.0 192.168.11.60 name route-to-SP
ip route 10.10.1.0 255.255.255.0 192.168.11.2
ip route 10.10.2.0 255.255.255.0 192.168.11.3
ip route 10.10.110.1 255.255.255.255 192.168.11.2
ip route 10.10.110.2 255.255.255.255 192.168.11.3
ip route 10.10.126.1 255.255.255.255 192.168.11.2
ip route 10.10.126.2 255.255.255.255 192.168.11.3
ip route 10.10.254.0 255.255.255.0 192.168.11.3
ip route 10.10.255.0 255.255.255.0 192.168.11.2
ip route 192.168.20.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.21.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.22.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.23.0 255.255.255.0 192.168.11.60 name route-to-DMZ
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip pim send-rp-discovery scope 2
ip tacacs source-interface Loopback0
!
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps MAC-Notification change move threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131 timeout 5
tacacs-server directed-request
```

```
tacacs-server key 7 <removed>
!
!
control-plane
!
!
dial-peer cor custom
!
!
!
banner exec C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
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banner incoming C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!


!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
```

```
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
mac-address-table aging-time 480
!
end
```

rie-1

```
!
! Last configuration change at 01:06:14 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:06:15 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:06:15 PST Sat Apr 30 2011 by retail
upgrade fpd auto
version 15.1
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 year
service password-encryption
service sequence-numbers
!
hostname RIE-1
!
boot-start-marker
boot system flash disk2:/c7200-advipservicesk9-mz.151-4.M.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
 action-type start-stop
 group tacacs+
!
aaa accounting commands 15 default
 action-type start-stop
 group tacacs+
!
aaa accounting system default
```

```
 action-type start-stop
 group tacacs+
!
!
!
!
!
!
aaa session-id common
!
clock timezone PST -8 0
clock summer-time PST recurring
ip source-route
ip cef
!
!
!
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip inspect audit-trail
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
no ipv6 cef
!
multilink bundle-name authenticated
!
password encryption aes
!
!
!
!
!
!
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-26793975
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-26793975
 revocation-check none
 rsakeypair TP-self-signed-26793975
!
!
crypto pki certificate chain TP-self-signed-26793975
 certificate self-signed 01
  <removed>
    quit
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
redundancy
!
```

```
!
ip ssh version 2
ip scp server enable
!
!
!
!
!
!
!
!
interface GigabitEthernet0/1
 description link to RIE-3 G1/1
 ip address 192.168.22.11 255.255.255.0
 standby 1 ip 192.168.22.10
 standby 1 priority 105
 standby 1 preempt
 duplex auto
 speed auto
 media-type rj45
 no negotiation auto
!
interface GigabitEthernet0/2
 description link to RIE-4 G1/1
 no ip address
 shutdown
 duplex full
 speed 1000
 media-type rj45
 no negotiation auto
!
interface GigabitEthernet0/3
 description Link to RSP-3 G0/2
 ip address 10.10.3.6 255.255.255.0
 ip access-group COARSE-FILTER-INTERNET-IN in
 ip access-group COARSE-FILTER-INTERNET-OUT out
 duplex auto
 speed auto
 media-type rj45
 no negotiation auto
!
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
!
ip route 0.0.0.0 0.0.0.0 10.10.3.1
ip route 10.10.0.0 255.255.0.0 192.168.22.1
ip route 10.10.0.0 255.255.255.0 10.10.3.1
ip route 10.10.4.0 255.255.255.0 192.168.22.12
ip route 192.168.0.0 255.255.0.0 192.168.22.1
ip tacacs source-interface GigabitEthernet0/1
!
ip access-list extended COARSE-FILTER-INTERNET-IN
 remark ------------------------------------------------------
 remark ---Block Private Networks---
 deny   ip 10.0.0.0 0.255.255.255 any log
 deny   ip 172.16.0.0 0.15.255.255 any log
 deny   ip 192.168.0.0 0.0.255.255 any log
 remark -
```

```
 remark ---Block Autoconfiguration Networks---
 deny   ip 169.254.0.0 0.0.255.255 any log
 remark -
 remark ---Block Loopback Networks---
 deny   ip 127.0.0.0 0.0.255.255 any log
 remark -
 remark ---Block Multicast Networks---
 deny   ip 224.0.0.0 15.255.255.255 any log
 remark -
 remark ---Block Traffic targeted at DMZ Network Edge Devices---
 deny   ip any 192.168.22.0 0.0.0.255 log
 remark -
 remark ---Allow remaining public internet traffic---
 permit ip any any
ip access-list extended COARSE-FILTER-INTERNET-OUT
 remark ---Block private networks from reaching Internet---
 remark -------------------------------------------------------
 remark ---Block Private Networks---
 deny   ip 10.0.0.0 0.255.255.255 any log
 deny   ip 172.16.0.0 0.15.255.255 any log
 deny   ip 192.168.0.0 0.0.255.255 any log
 remark -
 remark ---Block Autoconfiguration Networks---
 deny   ip 169.254.0.0 0.0.255.255 any log
 remark -
 remark ---Block Loopback Networks---
 deny   ip 127.0.0.0 0.0.255.255 any log
 remark -
 remark ---Block Multicast Networks---
 deny   ip 224.0.0.0 15.255.255.255 any log
 remark -
 remark ---Block Traffic targeted at DMZ Network Edge Devices---
 deny   ip any 192.168.22.0 0.0.0.255 log
 remark -
 remark ---Allow remaining traffic to Internet---
 remark The source address should be your ISP assigned IP's
 permit ip <your ISP Public Block> any
!
logging esm config
logging trap debugging
logging source-interface GigabitEthernet0/1
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
!
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source GigabitEthernet0/1
```

```
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps ipsla
snmp-server enable traps syslog
snmp-server host 192.168.42.124 remoteuser
!
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
!
control-plane
!
!
!
mgcp profile default
!
!
!
gatekeeper
 shutdown
!
banner exec C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner incoming C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****

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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
```

```
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!


!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 no exec
 transport preferred none
 transport output none
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
scheduler allocate 4000 200
ntp source GigabitEthernet0/1
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end
```

rie-2

```
!
! Last configuration change at 01:07:38 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:07:38 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:07:38 PST Sat Apr 30 2011 by retail
upgrade fpd auto
version 15.1
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 year
service password-encryption
service sequence-numbers
!
hostname RIE-2
!
boot-start-marker
boot system flash bootflash:/c7200p-advipservicesk9-mz.151-4.M.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
!
!
aaa session-id common
!
clock timezone PST -8 0
clock summer-time PST recurring
ip source-route
ip cef
!
!
!
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 65535
login quiet-mode access-class 23
login on-failure log
login on-success log
no ipv6 cef
!
multilink bundle-name authenticated
!
password encryption aes
!
!
!
!
!
!
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-26800067
```

```
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-26800067
 revocation-check none
 rsakeypair TP-self-signed-26800067
!
!
crypto pki certificate chain TP-self-signed-26800067
 certificate self-signed 01
  <removed>
    quit
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
redundancy
!
!
ip ssh version 2
ip scp server enable
!
!
!
!
!
!
!
!
!
!
interface GigabitEthernet0/1
 description RIE-3 port G1/2
 no ip address
 shutdown
 duplex auto
 speed auto
 media-type rj45
 negotiation auto
!
interface FastEthernet0/2
 no ip address
 shutdown
 duplex auto
 speed auto
!
interface GigabitEthernet0/2
 description RIE-4 port G1/2
 ip address 192.168.22.12 255.255.255.0
 standby 1 ip 192.168.22.10
 standby 1 priority 95
 standby 1 preempt
 duplex auto
 speed auto
 media-type rj45
 negotiation auto
!
interface GigabitEthernet0/3
 description Link to RSP-4 G0/2
```

```
 ip address 10.10.4.6 255.255.255.0
 ip access-group COARSE-FILTER-INTERNET-IN in
 ip access-group COARSE-FILTER-INTERNET-OUT out
 duplex auto
 speed auto
 media-type rj45
 negotiation auto
!
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
!
ip route 0.0.0.0 0.0.0.0 10.10.4.1
ip route 10.10.0.0 255.255.0.0 192.168.22.1
ip route 10.10.0.0 255.255.255.0 10.10.4.1
ip route 10.10.3.0 255.255.255.0 192.168.22.11
ip route 192.168.0.0 255.255.0.0 192.168.22.1
ip tacacs source-interface GigabitEthernet0/2
!
ip access-list extended COARSE-FILTER-INTERNET-IN
 remark ---Block Private Networks---
 deny   ip 10.0.0.0 0.255.255.255 any log
 deny   ip 172.16.0.0 0.15.255.255 any log
 deny   ip 192.168.0.0 0.0.255.255 any log
 remark -
 remark ---Block Autoconfiguration Networks---
 deny   ip 169.254.0.0 0.0.255.255 any log
 remark -
 remark ---Block Loopback Networks---
 deny   ip 127.0.0.0 0.0.255.255 any log
 remark -
 remark ---Block Multicast Networks---
 deny   ip 224.0.0.0 15.255.255.255 any log
 remark -
 remark ---Block Traffic targeted at DMZ Network Edge Devices---
 deny   ip any 192.168.22.0 0.0.0.255 log
 remark -
 remark ---Allow remaining public internet traffic---
 permit ip any any
ip access-list extended COARSE-FILTER-INTERNET-OUT
 remark ---Block private networks from reaching Internet---
 remark -----------------------------------------------------
 remark ---Block Private Networks---
 deny   ip 10.0.0.0 0.255.255.255 any log
 deny   ip 172.16.0.0 0.15.255.255 any log
 deny   ip 192.168.0.0 0.0.255.255 any log
 remark -
 remark ---Block Autoconfiguration Networks---
 deny   ip 169.254.0.0 0.0.255.255 any log
 remark -
 remark ---Block Loopback Networks---
 deny   ip 127.0.0.0 0.0.255.255 any log
 remark -
 remark ---Block Multicast Networks---
 deny   ip 224.0.0.0 15.255.255.255 any log
 remark -
 remark ---Block Traffic targeted at DMZ Network Edge Devices---
 deny   ip any 192.168.22.0 0.0.0.255 log
 remark -
```

```
 remark ---Allow remaining traffic to Internet---
 remark The source address should be your ISP assigned IP's
 permit ip <your ISP Public Block> any
!
logging esm config
logging alarm informational
logging trap debugging
logging source-interface GigabitEthernet0/2
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
!
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source GigabitEthernet0/2
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps ipsla
snmp-server enable traps syslog
snmp-server host 192.168.42.124 remoteuser
!
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
!
control-plane
!
!
!
mgcp profile default
!
!
banner exec C
WARNING:
```

```
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REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
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banner incoming C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
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TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!


!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 no exec
 transport preferred none
 transport output none
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
```

```
 transport preferred none
 transport input ssh
 transport output none
!
scheduler allocate 4000 200
ntp source GigabitEthernet0/2
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end
```

RIE-3

```
!
! Last configuration change at 08:36:26 PSTDST Thu Apr 28 2011 by retail
! NVRAM config last updated at 22:33:54 PSTDST Wed Apr 27 2011 by retail
!
upgrade fpd auto
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 year
service password-encryption
service sequence-numbers
service counters max age 5
!
hostname RIE-3
!
boot-start-marker
boot-end-marker
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 51200
enable secret 5 <removed>.
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
svclc multiple-vlan-interfaces
svclc module 3 vlan-group 21,82,83,85
svclc vlan-group 21  21
```

```
svclc vlan-group 82  82
svclc vlan-group 83  83
svclc vlan-group 85  85
firewall multiple-vlan-interfaces
firewall module 4 vlan-group 21,82,200,250,300
firewall vlan-group 200  22,2305-2307
firewall vlan-group 300  91,92
intrusion-detection module 2 management-port access-vlan 21
intrusion-detection module 2 data-port 1 trunk allowed-vlan 83,84
!
!
!
no ip bootp server
ip ssh version 2
ip scp server enable
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
vtp mode transparent
no mls acl tcam share-global
mls netflow interface
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1014
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1014
 revocation-check none
 rsakeypair TP-self-signed-1014
!
!
crypto pki certificate chain TP-self-signed-1014
 certificate self-signed 01
  <removed>  quit
!
!
!
!
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
spanning-tree mode pvst
spanning-tree extend system-id
diagnostic bootup level minimal
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.122 log
```

```
access-list 88 deny   any log
access-list 101 permit gre host 192.168.21.91 host 128.107.147.109
!
redundancy
 main-cpu
  auto-sync running-config
 mode sso
!
!
vlan internal allocation policy ascending
vlan access-log ratelimit 2000
!
vlan 21
 name fwsm_inside
!
vlan 22
 name fwsm_outside
!
vlan 82
 name fwsm_ace_outside
!
vlan 83
 name ace_IDSM
!
vlan 84
 name IDSM_DMZ-inside
!
vlan 85
 name ft_ace
!
vlan 91
 name fwsm_failover
!
vlan 92
 name fwsm_statelink
!
vlan 993
 name Management
!
vlan 995
 name DMZ_Management
!
vlan 2305
 name fwsm_EmailSecurityAppliance
!
vlan 2306
 name fwsm_EmailSecurityMgrAppliance
!
vlan 2307
 name fwsm_WebSecApp
!
!
!
crypto isakmp policy 10
 authentication pre-share
crypto isakmp key ciscokey address 128.107.147.109
!
!
crypto ipsec transform-set to_fred esp-des esp-md5-hmac
!
crypto map myvpn 10 ipsec-isakmp
 set peer 128.107.147.109
 set transform-set to_fred
 match address 101
```

```
!
!
!
interface Tunnel0
 ip address 172.26.0.1 255.255.255.0
 tunnel source Vlan21
 tunnel destination 128.107.147.109
!
interface Port-channel99
 switchport
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet1/1
 description RIE-1 G0/1
 switchport
 switchport access vlan 22
!
interface GigabitEthernet1/2
 description RIE-2 G0/1
 switchport
 switchport access vlan 22
!
interface GigabitEthernet1/3
 no ip address
!
interface GigabitEthernet1/4
 no ip address
!
interface GigabitEthernet1/5
 description ASA-IE-1 G0
 switchport
 switchport access vlan 21
!
interface GigabitEthernet1/6
 no ip address
!
interface GigabitEthernet1/7
 no ip address
!
interface GigabitEthernet1/8
 no ip address
!
interface GigabitEthernet1/9
 no ip address
!
interface GigabitEthernet1/10
 no ip address
!
interface GigabitEthernet1/11
 no ip address
!
interface GigabitEthernet1/12
 no ip address
!
interface GigabitEthernet1/13
 description ESA-IE-1 port M
 switchport
 switchport access vlan 2306
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet1/14
 description ESA-IE-1 port D1
```

```
 switchport
 switchport access vlan 2306
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet1/15
 description ESA-IE-1 port D2
 switchport
 switchport access vlan 2306
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet1/16
 description ESA-IE-1 port D3
 switchport
 switchport access vlan 2306
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet1/17
 description WSA-IE-1 port P1
 no ip address
!
interface GigabitEthernet1/18
 description WSA-IE-1 port P2
 no ip address
!
interface GigabitEthernet1/19
 description WSA-IE-1 port T1
 no ip address
!
interface GigabitEthernet1/20
 description WSA-IE-1 port T2
 no ip address
!
interface GigabitEthernet1/21
 description ESA-IE-1 port M
 switchport
 switchport access vlan 2305
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet1/22
 description ESA-IE-1 port D1
 switchport
 switchport access vlan 2305
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet1/23
 description ESA-IE-1 port D2
 switchport
 switchport access vlan 2305
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet1/24
 description ESA-IE-1 port D3
 switchport
 switchport access vlan 2305
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet1/25
```

```
 description WSA-IE-1 port M
 switchport
 switchport access vlan 2307
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet1/26
 no ip address
!
interface GigabitEthernet1/27
 no ip address
!
interface GigabitEthernet1/28
 no ip address
!
interface GigabitEthernet1/29
 no ip address
!
interface GigabitEthernet1/30
 no ip address
!
interface GigabitEthernet1/31
 no ip address
!
interface GigabitEthernet1/32
 no ip address
!
interface GigabitEthernet1/33
 no ip address
!
interface GigabitEthernet1/34
 no ip address
!
interface GigabitEthernet1/35
 no ip address
!
interface GigabitEthernet1/36
 no ip address
!
interface GigabitEthernet1/37
 no ip address
!
interface GigabitEthernet1/38
 no ip address
!
interface GigabitEthernet1/39
 no ip address
!
interface GigabitEthernet1/40
 no ip address
!
interface GigabitEthernet1/41
 no ip address
!
interface GigabitEthernet1/42
 no ip address
!
interface GigabitEthernet1/43
 no ip address
!
interface GigabitEthernet1/44
 no ip address
!
interface GigabitEthernet1/45
```

```
 no ip address
!
interface GigabitEthernet1/46
 no ip address
!
interface GigabitEthernet1/47
 no ip address
!
interface GigabitEthernet1/48
 no ip address
!
interface GigabitEthernet5/1
 switchport
 switchport trunk encapsulation dot1q
 switchport mode trunk
 channel-group 99 mode active
!
interface GigabitEthernet5/2
 switchport
 switchport trunk encapsulation dot1q
 switchport mode trunk
 channel-group 99 mode active
!
interface Vlan1
 no ip address
!
interface Vlan21
 description RIE-3 Management
 ip address 192.168.21.91 255.255.255.0
 crypto map myvpn
!
ip classless
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.21.10
ip route 10.10.0.0 255.255.0.0 192.168.21.1
ip route 10.10.0.0 255.255.252.0 192.168.21.10
ip route 10.10.192.0 255.255.240.0 172.26.0.2
ip route 192.168.0.0 255.255.0.0 192.168.21.1
ip route 192.168.23.0 255.255.255.0 192.168.21.10
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan21
!
logging trap debugging
logging source-interface Vlan21
logging 192.168.42.124
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  23
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
```

```
snmp-server enable traps hsrp
snmp-server enable traps MAC-Notification change move threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
dial-peer cor custom
!
!
!
banner exec
WARNING:
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banner incoming
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banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
```

```
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
!
scheduler allocate 20000 1000
ntp clock-period 17180154
ntp source Vlan21
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
!
end
```

RIE-4

```
!
! Last configuration change at 23:18:02 PSTDST Wed Apr 27 2011 by retail
! NVRAM config last updated at 23:18:04 PSTDST Wed Apr 27 2011 by retail
!
upgrade fpd auto
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log uptime
service password-encryption
service sequence-numbers
service counters max age 5
!
hostname RIE-4
!
boot-start-marker
boot system flash disk0:s72033-adventerprisek9_wan-mz.122-33.SXI5.bin
boot-end-marker
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 51200
enable secret 5 <removed>
```

```
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
svclc multiple-vlan-interfaces
svclc module 3 vlan-group 82,83,85
svclc vlan-group 82  82
svclc vlan-group 83  83
svclc vlan-group 85  85
firewall multiple-vlan-interfaces
firewall vlan-group 200  21,22,2305-2307
firewall vlan-group 300  91,92
intrusion-detection module 2 management-port access-vlan 21
intrusion-detection module 2 data-port 1 trunk allowed-vlan 83,84
!
!
!
no ip bootp server
ip ssh version 2
ip scp server enable
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
ipv6 mfib hardware-switching replication-mode ingress
vtp mode transparent
no mls acl tcam share-global
mls netflow interface
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1112
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1112
 revocation-check none
 rsakeypair TP-self-signed-1112
!
!
crypto pki certificate chain TP-self-signed-1112
 certificate self-signed 01
  <removed>  quit
!
!
!
!
!
```

```
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
spanning-tree mode pvst
spanning-tree extend system-id
diagnostic bootup level minimal
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.122 log
access-list 88 deny   any log
access-list 101 permit gre host 192.168.21.91 host 128.107.147.109
!
redundancy
 main-cpu
  auto-sync running-config
 mode sso
!
!
vlan internal allocation policy ascending
vlan access-log ratelimit 2000
!
vlan 21
 name fwsm_inside
!
vlan 22
 name fwsm_outside
!
vlan 82
 name fwsm_ace_outside
!
vlan 83
 name ace_IDSM
!
vlan 84
 name IDSM_DMZ-inside
!
vlan 85
 name ft_ace
!
vlan 91
 name fwsm_failover
!
vlan 92
 name fwsm_statelink
!
vlan 993
 name Management
!
vlan 995
 name DMZ_Management
!
```

```
vlan 2305
 name fwsm_EmailSecurityAppliance
!
vlan 2306
 name fwsm_EmailSecurityMgrAppliance
!
vlan 2307
 name fwsm_WebSecApp
!
!
!
!
!
interface Port-channel99
 switchport
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet1/1
 description RIE-1 G0/2
 switchport
 switchport access vlan 22
 shutdown
!
interface GigabitEthernet1/2
 description RIE-2 G0/2
 switchport
 switchport access vlan 22
!
interface GigabitEthernet1/3
 no ip address
 shutdown
!
interface GigabitEthernet1/4
 no ip address
 shutdown
!
interface GigabitEthernet1/5
 description ASA-IE-2 G0
 switchport
 switchport access vlan 21
 shutdown
!
interface GigabitEthernet1/6
 no ip address
 shutdown
!
interface GigabitEthernet1/7
 no ip address
 shutdown
!
interface GigabitEthernet1/8
 no ip address
 shutdown
!
interface GigabitEthernet1/9
 no ip address
 shutdown
!
interface GigabitEthernet1/10
 no ip address
 shutdown
!
interface GigabitEthernet1/11
```

```
 no ip address
 shutdown
!
interface GigabitEthernet1/12
 no ip address
 shutdown
!
interface GigabitEthernet1/13
 description ESA-IE-2 port M
 switchport
 switchport access vlan 2306
 switchport mode access
 shutdown
!
interface GigabitEthernet1/14
 description ESA-IE-2 port D1
 switchport
 switchport access vlan 2306
 switchport mode access
 shutdown
!
interface GigabitEthernet1/15
 description ESA-IE-2 port D2
 switchport
 switchport access vlan 2306
 switchport mode access
 shutdown
!
interface GigabitEthernet1/16
 description ESA-IE-2 port D3
 switchport
 switchport access vlan 2306
 switchport mode access
 shutdown
!
interface GigabitEthernet1/17
 description WSA-IE-2 port P1
 no ip address
 shutdown
!
interface GigabitEthernet1/18
 description WSA-IE-2 port P2
 no ip address
 shutdown
!
interface GigabitEthernet1/19
 description WSA-IE-2 port T1
 no ip address
 shutdown
!
interface GigabitEthernet1/20
 description WSA-IE-2 port T2
 no ip address
 shutdown
!
interface GigabitEthernet1/21
 description ESA-IE-2 port M
 switchport
 switchport access vlan 2305
 switchport mode access
 shutdown
!
interface GigabitEthernet1/22
 description ESA-IE-2 port D1
```

```
 switchport
 switchport access vlan 2305
 switchport mode access
 shutdown
!
interface GigabitEthernet1/23
 description ESA-IE-2 port D2
 switchport
 switchport access vlan 2305
 switchport mode access
 shutdown
!
interface GigabitEthernet1/24
 description ESA-IE-2 port D3
 switchport
 switchport access vlan 2305
 switchport mode access
 shutdown
!
interface GigabitEthernet1/25
 description WSA-IE-2 port M
 switchport
 switchport access vlan 2307
 switchport mode access
!
interface GigabitEthernet1/26
 no ip address
 shutdown
!
interface GigabitEthernet1/27
 no ip address
 shutdown
!
interface GigabitEthernet1/28
 no ip address
 shutdown
!
interface GigabitEthernet1/29
 no ip address
 shutdown
!
interface GigabitEthernet1/30
 no ip address
 shutdown
!
interface GigabitEthernet1/31
 no ip address
 shutdown
!
interface GigabitEthernet1/32
 no ip address
 shutdown
!
interface GigabitEthernet1/33
 no ip address
 shutdown
!
interface GigabitEthernet1/34
 no ip address
 shutdown
!
interface GigabitEthernet1/35
 no ip address
 shutdown
```

```
!
interface GigabitEthernet1/36
 no ip address
 shutdown
!
interface GigabitEthernet1/37
 no ip address
 shutdown
!
interface GigabitEthernet1/38
 no ip address
 shutdown
!
interface GigabitEthernet1/39
 no ip address
 shutdown
!
interface GigabitEthernet1/40
 no ip address
 shutdown
!
interface GigabitEthernet1/41
 no ip address
 shutdown
!
interface GigabitEthernet1/42
 no ip address
 shutdown
!
interface GigabitEthernet1/43
 no ip address
 shutdown
!
interface GigabitEthernet1/44
 no ip address
 shutdown
!
interface GigabitEthernet1/45
 no ip address
 shutdown
!
interface GigabitEthernet1/46
 no ip address
 shutdown
!
interface GigabitEthernet1/47
 no ip address
 shutdown
!
interface GigabitEthernet1/48
 no ip address
 shutdown
!
interface GigabitEthernet5/1
 switchport
 switchport trunk encapsulation dot1q
 switchport mode trunk
 channel-group 99 mode active
!
interface GigabitEthernet5/2
 switchport
 switchport trunk encapsulation dot1q
 switchport mode trunk
 channel-group 99 mode active
```

```
!
interface Vlan1
 no ip address
!
interface Vlan21
 description RIE-3 Management
 ip address 192.168.21.92 255.255.255.0
!
ip classless
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.21.10
ip route 10.10.0.0 255.255.0.0 192.168.21.1
ip route 10.10.0.0 255.255.252.0 192.168.21.10
ip route 10.10.192.0 255.255.240.0 172.26.0.2
ip route 192.168.0.0 255.255.0.0 192.168.21.1
ip route 192.168.23.0 255.255.255.0 192.168.21.10
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
logging trap debugging
logging source-interface Vlan21
logging 192.168.42.124
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  23
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps MAC-Notification change move threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
```

```
!
!
dial-peer cor custom
!
!
!
banner exec
WARNING:
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banner incoming
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banner login
WARNING:
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!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
```

```
!
ntp clock-period 17179993
ntp source Vlan21
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
!
end
```

rserv-1

```
!
! Last configuration change at 01:53:06 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:53:07 PSTDST Sat Apr 30 2011 by retail
!
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 sequence-numbers
service counters max age 5
!
hostname RSERV-1
!
boot-start-marker
boot system flash sup-bootdisk:/s72033-adventerprisek9_wan-mz.122-33.SXJ.bin
boot-end-marker
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
svclc module 4 vlan-group 162,163
svclc vlan-group 162  152,162
svclc vlan-group 163  153,163
```

```
intrusion-detection module 9 management-port access-vlan 42
intrusion-detection module 9 data-port 1 trunk allowed-vlan 153,154
intrusion-detection module 9 data-port 2 trunk allowed-vlan 163,164
ip wccp 61
ip wccp 62
!
!
!
no ip bootp server
ip multicast-routing
ip ssh version 2
ip scp server enable
no ip domain-lookup
ip domain-name cisco-irn.com
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
ipv6 mfib hardware-switching replication-mode ingress
vtp domain datacenter
vtp mode transparent
no mls acl tcam share-global
mls netflow interface
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1027
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1027
 revocation-check none
 rsakeypair TP-self-signed-1027
!
!
crypto pki certificate chain TP-self-signed-1027
 certificate self-signed 01
  <removed>
  quit
!
!
!
!
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
spanning-tree mode pvst
!
no power enable module 8
diagnostic bootup level minimal
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
```

```
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
redundancy
 main-cpu
  auto-sync running-config
 mode sso
!
!
vlan internal allocation policy descending
vlan dot1q tag native
vlan access-log ratelimit 2000
!
vlan 41
 name DeviceManagementHTA
!
vlan 42
 name DeviceManagement
!
vlan 43
 name WIRELESS-CONTROL
!
vlan 44
 name PhysicalSec
!
vlan 47
 name WAAS_Central_Manager
!
vlan 49
 name WAAS_DC
!
vlan 152
 name NorthSide_facing_ASA_Servers2
!
vlan 153
 name ACE_to_IDS_Servers2
!
vlan 154
 name SouthSide_facing_Servers2
!
vlan 162
 name NorthSide_facing_ASA_Servers1
!
vlan 163
 name ACE_to_IDS_Servers1
!
vlan 164
 name SouthSide_facing_Servers1
!
vlan 803
 name RSERV-1_to_RAGG-1-VDC-2
!
vlan 1000
!
!
!
!
!
interface Loopback0
 ip address 192.168.1.21 255.255.255.255
!
interface Loopback62
 ip address 192.168.62.161 255.255.255.255
```

```
!
interface GigabitEthernet1/1
 no ip address
 shutdown
!
interface GigabitEthernet1/2
 no ip address
 shutdown
!
interface GigabitEthernet1/3
 no ip address
 shutdown
!
interface GigabitEthernet1/4
 no ip address
 shutdown
!
interface GigabitEthernet1/5
 no ip address
 shutdown
!
interface GigabitEthernet1/6
 no ip address
 shutdown
!
interface GigabitEthernet1/7
 no ip address
 shutdown
!
interface GigabitEthernet1/8
 no ip address
 shutdown
!
interface GigabitEthernet1/9
 no ip address
 shutdown
!
interface GigabitEthernet1/10
 no ip address
 shutdown
!
interface GigabitEthernet1/11
 no ip address
 shutdown
!
interface GigabitEthernet1/12
 no ip address
 shutdown
!
interface GigabitEthernet1/13
 no ip address
 shutdown
!
interface GigabitEthernet1/14
 no ip address
 shutdown
!
interface GigabitEthernet1/15
 no ip address
 shutdown
!
interface GigabitEthernet1/16
 no ip address
 shutdown
```

```
!
interface TenGigabitEthernet2/1
 description to RAGG-1 vdc2 T1/15
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 162
 switchport mode trunk
!
interface TenGigabitEthernet2/2
 description to RAGG-1 vdc2 T1/16
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 152
 switchport mode trunk
!
interface TenGigabitEthernet2/3
 no ip address
 shutdown
!
interface TenGigabitEthernet2/4
 no ip address
 shutdown
!
interface TenGigabitEthernet2/5
 description to RAGG-1 vdc2 T1/17
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 41-44,164,803
 switchport mode trunk
!
interface TenGigabitEthernet2/6
 description to RAGG-1 vdc2 T1/18
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 154
 switchport mode trunk
!
interface TenGigabitEthernet2/7
 no ip address
 shutdown
!
interface TenGigabitEthernet2/8
 no ip address
 shutdown
!
interface GigabitEthernet5/1
 no ip address
 shutdown
!
interface GigabitEthernet5/2
 no ip address
 shutdown
!
interface GigabitEthernet6/1
 no ip address
 shutdown
!
interface GigabitEthernet6/2
 no ip address
 shutdown
!
interface GigabitEthernet7/1
 no ip address
 shutdown
```

```
!
interface GigabitEthernet7/2
 no ip address
 shutdown
!
interface GigabitEthernet7/3
 no ip address
!
interface GigabitEthernet7/4
 no ip address
!
interface GigabitEthernet7/5
 no ip address
!
interface GigabitEthernet7/6
 no ip address
!
interface GigabitEthernet7/7
 no ip address
!
interface GigabitEthernet7/8
 no ip address
!
interface GigabitEthernet7/9
 no ip address
!
interface GigabitEthernet7/10
 no ip address
!
interface GigabitEthernet7/11
 no ip address
!
interface GigabitEthernet7/12
 no ip address
!
interface GigabitEthernet7/13
 no ip address
!
interface GigabitEthernet7/14
 no ip address
!
interface GigabitEthernet7/15
 no ip address
!
interface GigabitEthernet7/16
 no ip address
!
interface GigabitEthernet7/17
 description WAAS Central Manager
 switchport
 switchport access vlan 47
 switchport mode access
!
interface GigabitEthernet7/18
 no ip address
!
interface GigabitEthernet7/19
 no ip address
!
interface GigabitEthernet7/20
 no ip address
!
interface GigabitEthernet7/21
 description AW-DC-1_G1
```

```
 switchport
 switchport access vlan 43
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet7/22
 description AW-DC-2_G1
 switchport
 switchport access vlan 43
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet7/23
 description MDS Management PAME-DC-1
 switchport
 switchport access vlan 44
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet7/24
 description MDS Management MDS-DC-1_M0
 switchport
 switchport access vlan 41
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet7/25
 description MDS Management MDS-DC-2_M0
 switchport
 switchport access vlan 41
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet7/26
 no ip address
!
interface GigabitEthernet7/27
 description ASA-WAN-1_M0
 switchport
 switchport access vlan 42
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet7/28
 no ip address
!
interface GigabitEthernet7/29
 description MSE-DC-1_G1
 switchport
 switchport access vlan 43
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet7/30
 description MSE-DC-2_G1
 switchport
 switchport access vlan 43
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet7/31
 no ip address
!
interface GigabitEthernet7/32
```

```
 no ip address
!
interface GigabitEthernet7/33
 description RSA enVision
 switchport
 switchport access vlan 42
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet7/34
 no ip address
!
interface GigabitEthernet7/35
 description WAE-DC-1
 switchport
 switchport access vlan 49
 switchport mode access
!
interface GigabitEthernet7/36
 no ip address
!
interface GigabitEthernet7/37
 no ip address
!
interface GigabitEthernet7/38
 no ip address
!
interface GigabitEthernet7/39
 no ip address
!
interface GigabitEthernet7/40
 no ip address
!
interface GigabitEthernet7/41
 no ip address
!
interface GigabitEthernet7/42
 no ip address
!
interface GigabitEthernet7/43
 no ip address
!
interface GigabitEthernet7/44
 no ip address
!
interface GigabitEthernet7/45
 description hard crossover bridge
 no ip address
 shutdown
!
interface GigabitEthernet7/46
 no ip address
!
interface GigabitEthernet7/47
 no ip address
 shutdown
!
interface GigabitEthernet7/48
 no ip address
 shutdown
!
interface Vlan1
 no ip address
 shutdown
```

```
!
interface Vlan803
 description ** South Side facing Servers1 **
 ip address 192.168.130.10 255.255.255.252
 ip ospf authentication message-digest
 ip ospf message-digest-key 1 md5 7 <removed>
 ip ospf priority 0
!
router ospf 5
 router-id 192.168.1.21
 log-adjacency-changes
 area 81 authentication message-digest
 area 81 nssa
 area 81 range 192.168.0.0 255.255.0.0
 timers throttle spf 10 100 5000
 passive-interface default
 no passive-interface Vlan803
 network 192.168.0.0 0.0.255.255 area 81
!
ip classless
no ip forward-protocol nd
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Loopback0
!
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps MAC-Notification change move threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps errdisable
```

```
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
dial-peer cor custom
!
!
!
banner exec C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner incoming C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.


banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!


!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
```

```
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
!
ntp source Loopback0
ntp master 5
ntp update-calendar
ntp server 171.68.10.150
ntp server 171.68.10.80 prefer
mac-address-table aging-time 480
!
end
```

rserv-2

```
!
! Last configuration change at 01:50:12 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:50:13 PSTDST Sat Apr 30 2011 by retail
!
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 sequence-numbers
service counters max age 5
!
hostname RSERV-2
!
boot-start-marker
boot-end-marker
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
```

```
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
svclc module 4 vlan-group 162,163
svclc vlan-group 162  152,162
svclc vlan-group 163  153,163
intrusion-detection module 9 management-port access-vlan 42
intrusion-detection module 9 data-port 1 trunk allowed-vlan 153,154
intrusion-detection module 9 data-port 2 trunk allowed-vlan 163,164
ip wccp 61
ip wccp 62
!
!
!
no ip bootp server
ip multicast-routing
ip ssh version 2
ip scp server enable
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
ipv6 mfib hardware-switching replication-mode ingress
vtp domain CiscoRetail
vtp mode transparent
no mls acl tcam share-global
mls netflow interface
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1027
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1027
 revocation-check none
 rsakeypair TP-self-signed-1027
!
!
crypto pki certificate chain TP-self-signed-1027
 certificate self-signed 01
  30820241 308201AA A0030201 02020101 300D0609 2A864886 F70D0101 04050030
  2B312930 27060355 04031320 494F532D 53656C66 2D536967 6E65642D 43657274
  69666963 6174652D 31303237 301E170D 31313034 32313030 30353139 5A170D32
  30303130 31303030 3030305A 302B3129 30270603 55040313 20494F53 2D53656C
  662D5369 676E6564 2D436572 74696669 63617465 2D313032 3730819F 300D0609
  2A864886 F70D0101 01050003 818D0030 81890281 8100A365 80CA486A 1FCC3F72
  4B6DDFE1 AA57CE0A 4726554C B0D6B6F3 BC9F3F3A 84AAD96D 0C8D4E07 3E5C42FD
  2AB0BA8A 1E5E28AE BDA4FE3A F1A425A6 2D2F09E0 3DC30109 F4561A9B EADC4896
  87FD5133 4FEAFA2F C214CB35 11B7AEB6 F0C3DE4F 4453DA89 6177A6D3 9FDA59BA
  EE11414E 008C40A8 FF768B0D 0CE97204 82FB71C6 10C30203 010001A3 75307330
  0F060355 1D130101 FF040530 030101FF 30200603 551D1104 19301782 15525345
  52562D32 2E636973 636F2D69 726E2E63 6F6D301F 0603551D 23041830 16801425
  E9402754 9D8FF072 B2B9284C D1157536 23A79C30 1D060355 1D0E0416 041425E9
  4027549D 8FF072B2 B9284CD1 15753623 A79C300D 06092A86 4886F70D 01010405
  00038181 003EACB3 84C4E98F 65FE3BE2 F4984B3D 908DCF32 E89B4217 6F3444EB
  E844C491 A50B817E 508BE874 E4C1FE1E 9A92EDC5 8566CC69 AB760674 E802086B
  DDD7DF6A 3964355C 0F88B1AB 52E69373 D25A2877 3379ECAF A8D3DAE8 239C2708
  8B1C24DF 4210091C 8C3DF041 7B10147C E399480E 6A7D00DD 64D8AD86 528815E4
```

```
  7FAECE3C 2B
  quit
!
!
!
!
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
spanning-tree mode pvst
!
no power enable module 8
diagnostic bootup level minimal
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
redundancy
 main-cpu
  auto-sync running-config
 mode sso
!
!
vlan internal allocation policy descending
vlan dot1q tag native
vlan access-log ratelimit 2000
!
vlan 41
 name DeviceManagementHTA
!
vlan 42
 name DeviceManagement
!
vlan 43
 name WIRELESS-CONTROL
!
vlan 44
 name PhysicalSec
!
vlan 47
 name WAAS_Central_Manager
!
vlan 49
 name WAAS_DC
!
vlan 152
 name NorthSide_facing_ASA_Servers2
!
```

```
vlan 153
 name ACE_to_IDS_Servers2
!
vlan 154
 name SouthSide_facing_Servers2
!
vlan 162
 name NorthSide_facing_ASA_Servers1
!
vlan 163
 name ACE_to_IDS_Servers1
!
vlan 164
 name SouthSide_facing_Servers1
!
vlan 804
 name RSERV-2_to_RAGG-2-VDC-2
!
vlan 1000
!
!
!
!
!
interface Loopback0
 ip address 192.168.1.22 255.255.255.255
!
interface Loopback62
 ip address 192.168.62.162 255.255.255.255
!
interface GigabitEthernet1/1
 no ip address
 shutdown
!
interface GigabitEthernet1/2
 no ip address
 shutdown
!
interface GigabitEthernet1/3
 no ip address
 shutdown
!
interface GigabitEthernet1/4
 no ip address
 shutdown
!
interface GigabitEthernet1/5
 no ip address
 shutdown
!
interface GigabitEthernet1/6
 no ip address
 shutdown
!
interface GigabitEthernet1/7
 no ip address
 shutdown
!
interface GigabitEthernet1/8
 no ip address
 shutdown
!
interface GigabitEthernet1/9
 no ip address
```

```
 shutdown
!
interface GigabitEthernet1/10
 no ip address
 shutdown
!
interface GigabitEthernet1/11
 no ip address
 shutdown
!
interface GigabitEthernet1/12
 no ip address
 shutdown
!
interface GigabitEthernet1/13
 no ip address
 shutdown
!
interface GigabitEthernet1/14
 no ip address
 shutdown
!
interface GigabitEthernet1/15
 no ip address
 shutdown
!
interface GigabitEthernet1/16
 no ip address
 shutdown
!
interface TenGigabitEthernet2/1
 description to RAGG-2 vdc2 T1/15
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 162
 switchport mode trunk
!
interface TenGigabitEthernet2/2
 description to RAGG-2 vdc2 T1/16
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 152
 switchport mode trunk
!
interface TenGigabitEthernet2/3
 no ip address
 shutdown
!
interface TenGigabitEthernet2/4
 no ip address
 shutdown
!
interface TenGigabitEthernet2/5
 description to RAGG-2 vdc2 T1/18
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 41-44,164,804
 switchport mode trunk
!
interface TenGigabitEthernet2/6
 description to RAGG-2 vdc2 T1/17
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 154
```

```
 switchport mode trunk
!
interface TenGigabitEthernet2/7
 no ip address
 shutdown
!
interface TenGigabitEthernet2/8
 no ip address
 shutdown
!
interface GigabitEthernet5/1
 no ip address
 shutdown
!
interface GigabitEthernet5/2
 no ip address
 shutdown
!
interface GigabitEthernet6/1
 no ip address
 shutdown
!
interface GigabitEthernet6/2
 no ip address
 shutdown
!
interface GigabitEthernet7/1
 switchport
 switchport access vlan 42
!
interface GigabitEthernet7/2
 no ip address
!
interface GigabitEthernet7/3
 no ip address
!
interface GigabitEthernet7/4
 no ip address
!
interface GigabitEthernet7/5
 description WAE-DC-2
 switchport
 switchport access vlan 48
 switchport mode access
!
interface GigabitEthernet7/6
 no ip address
!
interface GigabitEthernet7/7
 no ip address
!
interface GigabitEthernet7/8
 no ip address
!
interface GigabitEthernet7/9
 no ip address
!
interface GigabitEthernet7/10
 no ip address
!
interface GigabitEthernet7/11
 no ip address
!
interface GigabitEthernet7/12
```

```
 no ip address
!
interface GigabitEthernet7/13
 no ip address
!
interface GigabitEthernet7/14
 no ip address
!
interface GigabitEthernet7/15
 no ip address
!
interface GigabitEthernet7/16
 no ip address
!
interface GigabitEthernet7/17
 no ip address
!
interface GigabitEthernet7/18
 no ip address
!
interface GigabitEthernet7/19
 no ip address
!
interface GigabitEthernet7/20
 no ip address
!
interface GigabitEthernet7/21
 no ip address
!
interface GigabitEthernet7/22
 no ip address
!
interface GigabitEthernet7/23
 description PAME-DC-1
 switchport
 switchport access vlan 44
 switchport mode access
!
interface GigabitEthernet7/24
 no ip address
!
interface GigabitEthernet7/25
 no ip address
!
interface GigabitEthernet7/26
 no ip address
!
interface GigabitEthernet7/27
 description ASA-WAN-2_M0
 switchport
 switchport access vlan 42
 switchport mode access
 spanning-tree portfast edge
!
interface GigabitEthernet7/28
 no ip address
!
interface GigabitEthernet7/29
 no ip address
!
interface GigabitEthernet7/30
 no ip address
!
interface GigabitEthernet7/31
```

```
 no ip address
!
interface GigabitEthernet7/32
 no ip address
!
interface GigabitEthernet7/33
 no ip address
!
interface GigabitEthernet7/34
 no ip address
!
interface GigabitEthernet7/35
 no ip address
!
interface GigabitEthernet7/36
 no ip address
!
interface GigabitEthernet7/37
 no ip address
!
interface GigabitEthernet7/38
 no ip address
!
interface GigabitEthernet7/39
 no ip address
!
interface GigabitEthernet7/40
 no ip address
!
interface GigabitEthernet7/41
 no ip address
!
interface GigabitEthernet7/42
 no ip address
!
interface GigabitEthernet7/43
 no ip address
!
interface GigabitEthernet7/44
 no ip address
!
interface GigabitEthernet7/45
 no ip address
!
interface GigabitEthernet7/46
 no ip address
!
interface GigabitEthernet7/47
 no ip address
!
interface GigabitEthernet7/48
 no ip address
!
interface Vlan1
 no ip address
 shutdown
!
interface Vlan42
 ip address 192.168.42.47 255.255.255.0
!
interface Vlan804
 description ** South Side facing Servers1 **
 ip address 192.168.130.14 255.255.255.252
 ip ospf authentication message-digest
```

```
 ip ospf message-digest-key 1 md5 7 <removed>
 ip ospf priority 0
!
router ospf 5
 router-id 192.168.1.22
 log-adjacency-changes
 area 81 authentication message-digest
 area 81 nssa
 area 81 range 192.168.0.0 255.255.0.0
 timers throttle spf 10 100 5000
 passive-interface default
 no passive-interface Vlan804
 network 192.168.0.0 0.0.255.255 area 81
!
ip classless
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.42.1 255 name backup_default
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Loopback0
!
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps MAC-Notification change move threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
```

```
!
!
control-plane
!
!
dial-peer cor custom
!
!
!
banner exec C
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banner incoming C
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banner login C
WARNING:
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!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
```

```
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
!
ntp source Loopback0
ntp master 5
ntp update-calendar
ntp server 171.68.10.150
ntp server 171.68.10.80 prefer
mac-address-table aging-time 480
!
end
```

rwan-1

```
!
! Last configuration change at 01:17:13 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:17:14 PSTDST Sat Apr 30 2011 by retail
!
version 15.1
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 sequence-numbers
no platform punt-keepalive disable-kernel-core
!
hostname RWAN-1
!
boot-start-marker
boot-end-marker
!
!
vrf definition Mgmt-intf
 !
 address-family ipv4
 exit-address-family
 !
 address-family ipv6
 exit-address-family
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 4 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
```

```
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
!
!
aaa session-id common
!
!
!
clock timezone PST -8 0
clock summer-time PSTDST recurring
ip source-route
!
!
!
no ip bootp server
no ip domain lookup
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip multicast-routing distributed
!
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
!
!
multilink bundle-name authenticated
!
password encryption aes
!
!
!
!
!
!
!
crypto pki trustpoint TP-self-signed-1264044905
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1264044905
 revocation-check none
 rsakeypair TP-self-signed-1264044905
!
!
crypto pki certificate chain TP-self-signed-1264044905
 certificate self-signed 01
  <removed>   quit
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
username retail privilege 15 secret 4 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 4 <removed>
username bmcgloth privilege 15 secret 4 <removed>
username csmadmin privilege 15 secret 4 <removed>
!
redundancy
```

```
 mode none
!
!
!
ip ssh version 2
ip scp server enable
!
class-map match-all BRANCH-BULK-DATA
 match access-group name BULK-DATA-APPS
class-map match-all BULK-DATA
 match ip dscp af11  af12
class-map match-all INTERACTIVE-VIDEO
 match ip dscp af41  af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
 match protocol telnet
 match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
 match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
 match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
 match ip dscp 25
class-map match-any BRANCH-NET-MGMT
 match protocol dns
 match access-group name NET-MGMT-APPS
class-map match-all ROUTING
 match ip dscp cs6
class-map match-all SCAVENGER
 match ip dscp cs1
class-map match-all NET-MGMT
 match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
class-map match-any CALL-SIGNALING
 match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
 match ip dscp af21  af22
!
policy-map DataCenter-LAN-EDGE-OUT
 class class-default
policy-map DataCenter-LAN-EDGE-IN
 class BRANCH-MISSION-CRITICAL
  set ip dscp 25
 class BRANCH-TRANSACTIONAL-DATA
  set ip dscp af21
 class BRANCH-NET-MGMT
  set ip dscp cs2
 class BRANCH-BULK-DATA
  set ip dscp af11
 class BRANCH-SCAVENGER
  set ip dscp cs1
policy-map DataCenter-WAN-EDGE
 class VOICE
  priority percent 18
 class INTERACTIVE-VIDEO
  priority percent 15
 class CALL-SIGNALING
  bandwidth percent 5
 class ROUTING
  bandwidth percent 3
 class NET-MGMT
  bandwidth percent 2
 class MISSION-CRITICAL-DATA
  bandwidth percent 15
  random-detect
```

```
 class TRANSACTIONAL-DATA
  bandwidth percent 1
  random-detect dscp-based
 class class-default
  bandwidth percent 25
  random-detect
!
!
!
!
!
!
!
!
interface Loopback0
 ip address 192.168.1.111 255.255.255.255
!
interface GigabitEthernet0/0/0
 description SWAN-1
 ip address 192.168.11.2 255.255.255.0
 standby 1 ip 192.168.11.1
 standby 1 priority 105
 standby 1 preempt
 no negotiation auto
 service-policy input DataCenter-LAN-EDGE-IN
 service-policy output DataCenter-LAN-EDGE-OUT
!
interface GigabitEthernet0/0/1
 no ip address
 no negotiation auto
!
interface GigabitEthernet0/0/2
 description RSP-1 G0/1
 ip address 10.10.1.6 255.255.255.0
 no negotiation auto
 service-policy output DataCenter-WAN-EDGE
!
interface GigabitEthernet0/0/3
 no ip address
 shutdown
 no negotiation auto
!
interface GigabitEthernet0
 vrf forwarding Mgmt-intf
 no ip address
 shutdown
 negotiation auto
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip route 0.0.0.0 0.0.0.0 192.168.11.60
ip route 10.10.0.0 255.255.0.0 10.10.1.1
ip route 10.10.0.0 255.255.0.0 192.168.11.3 50
ip route 10.10.0.0 255.255.255.0 192.168.11.60
ip route 10.10.2.0 255.255.255.0 192.168.11.3
ip route 10.10.3.0 255.255.255.0 192.168.11.60
ip route 10.10.4.0 255.255.255.0 192.168.11.60
ip route 10.10.110.2 255.255.255.255 192.168.11.3
```

```
ip route 10.10.126.2 255.255.255.255 192.168.11.3
ip route 10.10.254.0 255.255.255.0 192.168.11.3
ip route 192.168.0.0 255.255.0.0 192.168.11.10
ip route 192.168.1.112 255.255.255.255 192.168.11.3
ip route 192.168.20.0 255.255.252.0 192.168.11.60
ip route 192.168.24.0 255.255.255.0 192.168.11.60
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
 remark ---File Transfer---
 permit tcp any any eq ftp
 permit tcp any any eq ftp-data
 remark ---E-mail traffic---
 permit tcp any any eq smtp
 permit tcp any any eq pop3
 permit tcp any any eq 143
 remark ---other EDM app protocols---
 permit tcp any any range 3460 3466
 permit tcp any range 3460 3466 any
 remark ---messaging services---
 permit tcp any any eq 2980
 permit tcp any eq 2980 any
 remark ---Microsoft file services---
 permit tcp any any range 137 139
 permit tcp any range 137 139 any
ip access-list extended MISSION-CRITICAL-SERVERS
 remark ---POS Applications---
 permit ip 192.168.52.0 0.0.0.255 any
ip access-list extended NET-MGMT-APPS
 remark - Router user Authentication - Identifies TACACS Control traffic
 permit tcp any any eq tacacs
 permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
 remark ---Workbrain Application---
 remark --Large Store Clock Server to Central Clock Application
 permit tcp host 192.168.46.72 eq 8444 host 10.10.49.94
 remark --Large store Clock Server to CUAE
 permit tcp host 192.168.45.185 eq 8000 host 10.10.49.94
 remark ---LiteScape Application---
 permit ip host 192.168.46.82 any
 permit ip 239.192.0.0 0.0.0.255 any
 permit ip host 239.255.255.250 any
 remark ---Remote Desktop---
 permit tcp any any eq 3389
 permit tcp any eq 3389 any
 remark ---Oracle SIM---
 permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
 permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
 permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
```

```
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
cdp run
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps ipsla
snmp-server enable traps syslog
snmp-server enable traps flash insertion removal
snmp-server host 192.168.42.124 remoteuser
!
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
banner exec C
WARNING:
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banner incoming C
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```

```
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banner login C
WARNING:
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!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 no exec
 transport preferred none
 transport output none
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 17186047
ntp source Loopback0
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

rwan-2

```
!
! Last configuration change at 01:31:03 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:31:04 PST Sat Apr 30 2011 by retail
!
version 15.1
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 sequence-numbers
no platform punt-keepalive disable-kernel-core
!
hostname RWAN-2
!
boot-start-marker
boot-end-marker
!
!
vrf definition Mgmt-intf
 !
 address-family ipv4
 exit-address-family
 !
 address-family ipv6
 exit-address-family
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
!
!
aaa session-id common
!
!
!
clock timezone PST -8 0
clock summer-time PST recurring
ip source-route
!
!
!
no ip bootp server
no ip domain lookup
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip multicast-routing distributed
!
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
!
!
multilink bundle-name authenticated
```

```
!
password encryption aes
!
!
!
!
!
!
!
crypto pki trustpoint TP-self-signed-1414178861
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1414178861
 revocation-check none
 rsakeypair TP-self-signed-1414178861
!
!
crypto pki certificate chain TP-self-signed-1414178861
 certificate self-signed 01
  <removed>
    quit
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
username retail privilege 15 secret 4 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 4 <removed>
username bmcgloth privilege 15 secret 4 <removed>
username csmadmin privilege 15 secret 4 <removed>
!
redundancy
 mode none
!
!
!
ip ssh version 2
ip scp server enable
!
!
!
!
!
!
!
interface Loopback0
 ip address 192.168.1.112 255.255.255.255
 ip pim sparse-dense-mode
!
interface GigabitEthernet0/0/0
 description SWAN-2
 ip address 192.168.11.3 255.255.255.0
 standby 1 ip 192.168.11.1
 standby 1 priority 95
 no negotiation auto
!
interface GigabitEthernet0/0/1
 no ip address
 no negotiation auto
!
interface GigabitEthernet0/0/2
 description RSP-2 G0/1
 ip address 10.10.2.6 255.255.255.0
```

```
 no negotiation auto
!
interface GigabitEthernet0/0/3
 no ip address
 no negotiation auto
!
interface GigabitEthernet0
 vrf forwarding Mgmt-intf
 no ip address
 shutdown
 negotiation auto
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip route 0.0.0.0 0.0.0.0 192.168.11.60
ip route 10.10.0.0 255.255.0.0 10.10.2.1
ip route 10.10.0.0 255.255.0.0 192.168.11.2 50
ip route 10.10.0.0 255.255.255.0 192.168.11.60
ip route 10.10.1.0 255.255.255.0 192.168.11.2
ip route 10.10.3.0 255.255.255.0 192.168.11.60
ip route 10.10.4.0 255.255.255.0 192.168.11.60
ip route 10.10.110.1 255.255.255.255 192.168.11.2
ip route 10.10.126.1 255.255.255.255 192.168.11.2
ip route 10.10.255.0 255.255.255.0 192.168.11.2
ip route 192.168.0.0 255.255.0.0 192.168.11.10
ip route 192.168.1.111 255.255.255.255 192.168.11.2
ip route 192.168.20.0 255.255.252.0 192.168.11.60
ip route 192.168.24.0 255.255.255.0 192.168.11.60
ip tacacs source-interface Loopback0
!
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
```

```
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps ipsla
snmp-server enable traps syslog
snmp-server enable traps flash insertion removal
snmp-server host 192.168.42.124 remoteuser
!
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
banner exec C
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banner incoming C
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banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!


!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
```

```
 stopbits 1
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication RETAIL
 no exec
 transport preferred none
 transport output none
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 17219603
ntp source Loopback0
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

S-A2-Conv-1

```
Building configuration...

Current configuration : 8808 bytes
!
! Last configuration change at 02:11:23 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:11:23 PSTDST Sat Apr 30 2011 by retail
!
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 localtime show-timezone
service password-encryption
service sequence-numbers
!
hostname S-A2-Conv-1
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
```

```
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-3179870208
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-3179870208
 revocation-check none
 rsakeypair TP-self-signed-3179870208
!
!
crypto pki certificate chain TP-self-signed-3179870208
 certificate self-signed 01
  <removed>
  quit
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet0/1
 switchport mode trunk
```

```
!
interface FastEthernet0/2
 description AIR-CAP1042N
 switchport trunk native vlan 18
 switchport trunk allowed vlan 14-18
 switchport mode trunk
!
interface FastEthernet0/3
!
interface FastEthernet0/4
!
interface FastEthernet0/5
!
interface FastEthernet0/6
!
interface FastEthernet0/7
!
interface FastEthernet0/8
!
interface GigabitEthernet0/1
 switchport mode trunk
!
interface Vlan1
 no ip address
 no ip route-cache
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.175.11 255.255.255.0
 no ip route-cache
!
ip default-gateway 10.10.175.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

```
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps energywise
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131 timeout 5
tacacs-server directed-request
tacacs-server key 7 <removed>
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
```

```
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 36028799
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

S-A2-Lrg-1

```
S-A2-LRG-1#sh run
Building configuration...

Current configuration : 21232 bytes
!
! Last configuration change at 02:39:20 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:39:22 PSTDST Sat Apr 30 2011 by retail
!
version 15.0
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 year
service password-encryption
service compress-config
service sequence-numbers
!
hostname S-A2-LRG-1
!
boot-start-marker
boot system flash bootflash:cat4500e-universalk9.SPA.03.01.00.SG.150-1.XO.bin
boot-end-marker
!
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
```

```
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
ip subnet-zero
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
!
no ip bootp server
ip vrf Mgmt-vrf
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
vtp mode transparent
!
password encryption aes
!
crypto pki trustpoint CISCO_IDEVID_SUDI
 revocation-check none
 rsakeypair CISCO_IDEVID_SUDI
!
crypto pki trustpoint CISCO_IDEVID_SUDI0
 revocation-check none
!
crypto pki trustpoint TP-self-signed-145264
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-145264
 revocation-check none
 rsakeypair TP-self-signed-145264
!
!
crypto pki certificate chain CISCO_IDEVID_SUDI
 certificate 686CBFDE00000015EFB1
  <removed>
  quit
 certificate ca 6A6967B3000000000003
  <removed>
  quit
crypto pki certificate chain CISCO_IDEVID_SUDI0
 certificate ca 5FF87B282B54DC8D42A315B568C9ADFF
  <removed>
  quit
crypto pki certificate chain TP-self-signed-145264
 certificate self-signed 01
  <removed>
  quit
```

```
power redundancy-mode redundant
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
redundancy
 mode rpr
!
vlan internal allocation policy ascending
!
vlan 11
 name POS
!
vlan 12
 name DATA
!
vlan 13
 name VOICE
!
vlan 14
 name WIRELESS
!
vlan 15
 name WIRELESS-POS
!
vlan 16
 name PARTNER
!
vlan 17
 name WIRELESS-GUEST
!
vlan 18
 name WIRELESS-CONTROL
!
vlan 19
 name WAAS
!
vlan 20
 name SECURITY-SYSTEMS
!
vlan 101
 name RouterLink101
!
vlan 102
 name RouterLink102
!
vlan 1000
 name MANAGEMENT
!
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet1
 ip vrf forwarding Mgmt-vrf
 no ip address
 shutdown
```

```
 speed auto
 duplex auto
!
interface TenGigabitEthernet3/1
 shutdown
!
interface TenGigabitEthernet3/2
 shutdown
!
interface TenGigabitEthernet3/3
 shutdown
!
interface TenGigabitEthernet3/4
 shutdown
!
interface GigabitEthernet5/1
 shutdown
!
interface GigabitEthernet5/2
 shutdown
!
interface GigabitEthernet5/3
 shutdown
!
interface GigabitEthernet5/4
 shutdown
!
interface GigabitEthernet5/5
 shutdown
!
interface GigabitEthernet5/6
 shutdown
!
interface GigabitEthernet5/7
 shutdown
!
interface GigabitEthernet5/8
 shutdown
!
interface GigabitEthernet5/9
 shutdown
!
interface GigabitEthernet5/10
 shutdown
!
interface GigabitEthernet5/11
 shutdown
!
interface GigabitEthernet5/12
 shutdown
!
interface GigabitEthernet5/13
 shutdown
!
interface GigabitEthernet5/14
 shutdown
!
interface GigabitEthernet5/15
 shutdown
!
interface GigabitEthernet5/16
 shutdown
!
interface GigabitEthernet5/17
```

```
 shutdown
!
interface GigabitEthernet5/18
 shutdown
!
interface GigabitEthernet5/19
 shutdown
!
interface GigabitEthernet5/20
 shutdown
!
interface GigabitEthernet5/21
 shutdown
!
interface GigabitEthernet5/22
 shutdown
!
interface GigabitEthernet5/23
 shutdown
!
interface GigabitEthernet5/24
 shutdown
!
interface GigabitEthernet5/25
 shutdown
!
interface GigabitEthernet5/26
 shutdown
!
interface GigabitEthernet5/27
 shutdown
!
interface GigabitEthernet5/28
 shutdown
!
interface GigabitEthernet5/29
 shutdown
!
interface GigabitEthernet5/30
 shutdown
!
interface GigabitEthernet5/31
 shutdown
!
interface GigabitEthernet5/32
 shutdown
!
interface GigabitEthernet5/33
 shutdown
!
interface GigabitEthernet5/34
 shutdown
!
interface GigabitEthernet5/35
 shutdown
!
interface GigabitEthernet5/36
 shutdown
!
interface GigabitEthernet5/37
 shutdown
!
interface GigabitEthernet5/38
 shutdown
```

```
!
interface GigabitEthernet5/39
 shutdown
!
interface GigabitEthernet5/40
 shutdown
!
interface GigabitEthernet5/41
 shutdown
!
interface GigabitEthernet5/42
 shutdown
!
interface GigabitEthernet5/43
 shutdown
!
interface GigabitEthernet5/44
 shutdown
!
interface GigabitEthernet5/45
 shutdown
!
interface GigabitEthernet5/46
 shutdown
!
interface GigabitEthernet5/47
 shutdown
!
interface GigabitEthernet5/48
 shutdown
!
interface GigabitEthernet6/1
!
interface GigabitEthernet6/2
 shutdown
!
interface GigabitEthernet6/3
 shutdown
!
interface GigabitEthernet6/4
 shutdown
!
interface GigabitEthernet6/5
 shutdown
!
interface GigabitEthernet6/6
 shutdown
!
interface GigabitEthernet6/7
 shutdown
!
interface GigabitEthernet6/8
 shutdown
!
interface GigabitEthernet6/9
 shutdown
!
interface GigabitEthernet6/10
 description MSP-A2-LRG-1
 switchport access vlan 20
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet6/11
```

```
 shutdown
!
interface GigabitEthernet6/12
 shutdown
!
interface GigabitEthernet6/13
 shutdown
!
interface GigabitEthernet6/14
 shutdown
!
interface GigabitEthernet6/15
 shutdown
!
interface GigabitEthernet6/16
 shutdown
!
interface GigabitEthernet6/17
 description WLC-A2-LRG-1_G1
 switchport access vlan 18
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet6/18
 description WLC-A2-LRG-1_G2
 switchport trunk allowed vlan 14-17
 switchport mode trunk
!
interface GigabitEthernet6/19
 shutdown
!
interface GigabitEthernet6/20
 shutdown
!
interface GigabitEthernet6/21
 shutdown
!
interface GigabitEthernet6/22
 shutdown
!
interface GigabitEthernet6/23
 shutdown
!
interface GigabitEthernet6/24
 shutdown
!
interface GigabitEthernet6/25
 shutdown
!
interface GigabitEthernet6/26
 shutdown
!
interface GigabitEthernet6/27
 shutdown
!
interface GigabitEthernet6/28
 shutdown
!
interface GigabitEthernet6/29
 shutdown
!
interface GigabitEthernet6/30
 shutdown
!
```

```
interface GigabitEthernet6/31
 shutdown
!
interface GigabitEthernet6/32
 shutdown
!
interface GigabitEthernet6/33
 shutdown
!
interface GigabitEthernet6/34
 shutdown
!
interface GigabitEthernet6/35
 shutdown
!
interface GigabitEthernet6/36
 shutdown
!
interface GigabitEthernet6/37
 shutdown
!
interface GigabitEthernet6/38
 shutdown
!
interface GigabitEthernet6/39
 shutdown
!
interface GigabitEthernet6/40
 shutdown
!
interface GigabitEthernet6/41
 switchport mode trunk
!
interface GigabitEthernet6/42
 shutdown
!
interface GigabitEthernet6/43
 switchport mode trunk
!
interface GigabitEthernet6/44
 shutdown
!
interface GigabitEthernet6/45
 switchport mode trunk
!
interface GigabitEthernet6/46
!
interface GigabitEthernet6/47
 switchport mode trunk
!
interface GigabitEthernet6/48
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.111.11 255.255.255.0
!
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 10.10.111.1
no ip http server
```

```
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
!
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
no snmp-server enable traps license
snmp-server enable traps entity
snmp-server enable traps flash insertion removal
snmp-server enable traps power-ethernet police
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps errdisable
snmp-server enable traps vlan-membership
snmp-server enable traps mac-notification change move threshold
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
banner exec ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
```

```
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^CC
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 17202862
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

S-A2-LRG-1#
```

S-A2-Lrg-2

```
S-A2-LRG-2#sh run
Building configuration...
```

```
Current configuration : 20118 bytes
!
! Last configuration change at 02:45:12 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:45:13 PSTDST Sat Apr 30 2011 by retail
!
version 15.0
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 year
service password-encryption
service compress-config
service sequence-numbers
!
hostname S-A2-LRG-2
!
boot-start-marker
boot system flash bootflash:cat4500e-universalk9.SPA.03.01.00.SG.150-1.XO.bin
boot-end-marker
!
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
ip subnet-zero
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
!
no ip bootp server
ip vrf Mgmt-vrf
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
vtp mode transparent
!
password encryption aes
```

```
!
crypto pki trustpoint CISCO_IDEVID_SUDI
 revocation-check none
 rsakeypair CISCO_IDEVID_SUDI
!
crypto pki trustpoint CISCO_IDEVID_SUDI0
 revocation-check none
!
crypto pki trustpoint TP-self-signed-145261
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-145261
 revocation-check none
 rsakeypair TP-self-signed-145261
!
!
crypto pki certificate chain CISCO_IDEVID_SUDI
 certificate 6B46CD9B00000015F50E
  <removed>
  quit
 certificate ca 6A6967B3000000000003
  <removed>
  quit
crypto pki certificate chain CISCO_IDEVID_SUDI0
 certificate ca 5FF87B282B54DC8D42A315B568C9ADFF
  <removed>
  quit
crypto pki certificate chain TP-self-signed-145261
 certificate self-signed 01
  <removed>
  quit
power redundancy-mode redundant
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
redundancy
 mode rpr
!
vlan internal allocation policy ascending
!
vlan 11
 name POS
!
vlan 12
 name DATA
!
vlan 13
 name VOICE
!
vlan 14
 name WIRELESS
!
vlan 15
 name WIRELESS-POS
!
vlan 16
 name PARTNER
```

```
!
vlan 17
 name WIRELESS-GUEST
!
vlan 18
 name WIRELESS-CONTROL
!
vlan 19
 name WAAS
!
vlan 20
 name SECURITY-SYSTEMS
!
vlan 101
 name RouterLink101
!
vlan 102
 name RouterLink102
!
vlan 1000
 name MANAGEMENT
!
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet1
 ip vrf forwarding Mgmt-vrf
 no ip address
 shutdown
 speed auto
 duplex auto
!
interface TenGigabitEthernet3/1
 shutdown
!
interface TenGigabitEthernet3/2
 shutdown
!
interface TenGigabitEthernet3/3
 shutdown
!
interface TenGigabitEthernet3/4
 shutdown
!
interface GigabitEthernet6/1
!
interface GigabitEthernet6/2
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/3
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/4
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/5
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/6
```

```
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/7
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/8
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/9
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/10
 description MSP-A2-LRG-1
 switchport access vlan 20
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet6/11
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/12
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/13
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/14
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/15
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/16
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/17
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/18
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/19
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/20
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/21
 switchport access vlan 17
 shutdown
```

```
!
interface GigabitEthernet6/22
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/23
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/24
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/25
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/26
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/27
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/28
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/29
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/30
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/31
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/32
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/33
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/34
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/35
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/36
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/37
 switchport access vlan 17
 shutdown
```

```
!
interface GigabitEthernet6/38
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/39
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/40
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet6/41
 switchport mode trunk
!
interface GigabitEthernet6/42
!
interface GigabitEthernet6/43
 switchport mode trunk
!
interface GigabitEthernet6/44
!
interface GigabitEthernet6/45
 switchport mode trunk
!
interface GigabitEthernet6/46
!
interface GigabitEthernet6/47
 switchport mode trunk
!
interface GigabitEthernet6/48
!
interface Vlan1
 no ip address
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.111.12 255.255.255.0
!
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 10.10.111.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
!
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
```

```
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
no snmp-server enable traps license
snmp-server enable traps entity
snmp-server enable traps flash insertion removal
snmp-server enable traps power-ethernet police
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps errdisable
snmp-server enable traps vlan-membership
snmp-server enable traps mac-notification change move threshold
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
banner exec ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^CC
WARNING:
```

```
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 17211501
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

S-A2-Lrg-3

```
S-A2-LRG-3#sh run
Building configuration...

Current configuration : 20730 bytes
!
! Last configuration change at 02:52:21 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:52:23 PSTDST Sat Apr 30 2011 by retail
!
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 year
service password-encryption
service sequence-numbers
!
hostname S-A2-LRG-3
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
logging monitor informational
enable secret 5 <removed>
!
```

```
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
macro name dot1x
switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
@
!
macro global description dot1x
macro auto sticky
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authentication dot1x default group radius local
aaa authorization exec default group tacacs+ if-authenticated
aaa authorization network default group radius
aaa authorization auth-proxy default group radius
aaa authorization configuration default group radius
aaa accounting update newinfo
aaa accounting auth-proxy default start-stop group radius
aaa accounting dot1x default start-stop group radius
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
aaa server radius dynamic-author
 client 192.168.42.111
 server-key 7 <removed>
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
authentication mac-move permit
!
!
ip dhcp snooping vlan 1,11
no ip dhcp snooping information option
```

```
ip dhcp snooping
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
ip device tracking
ip admission name ise proxy http inactivity-time 60
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
vtp mode transparent
!
cts sxp enable
cts sxp default source-ip 10.10.111.13
password encryption aes
!
crypto pki trustpoint TP-self-signed-4268543232
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-4268543232
 revocation-check none
 rsakeypair TP-self-signed-4268543232
!
!
crypto pki certificate chain TP-self-signed-4268543232
 certificate self-signed 01
  <removed>
  quit
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
dot1x system-auth-control
!
fallback profile ise
 ip access-group ACL-DEFAULT in
 ip admission ise
!
spanning-tree mode pvst
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
!
vlan 11
 name POS
!
vlan 12
 name DATA
!
vlan 13
 name VOICE
!
vlan 14
 name WIRELESS
!
vlan 15
 name WIRELESS-POS
!
vlan 16
 name PARTNER
!
vlan 17
```

```
 name WIRELESS-GUEST
!
vlan 18
 name WIRELESS-CONTROL
!
vlan 19
 name WAAS
!
vlan 20
 name SECURITY-SYSTEMS
!
vlan 101
 name RouterLink101
!
vlan 102
 name RouterLink102
!
vlan 1000
 name MANAGEMENT
!
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet0
 no ip address
 shutdown
!
interface GigabitEthernet0/1
 description uplink
!
interface GigabitEthernet0/2
 description uplink
!
interface GigabitEthernet0/3
 shutdown
!
interface GigabitEthernet0/4
 description Cisco9971 IP phone
 switchport access vlan 11
 switchport voice vlan 13
 spanning-tree portfast
!
interface GigabitEthernet0/5
 description IP Camera - 4300
 switchport access vlan 20
 switchport mode access
!
interface GigabitEthernet0/6
 description CIAC-GW
 switchport access vlan 20
 switchport mode access
!
interface GigabitEthernet0/7
 shutdown
!
interface GigabitEthernet0/8
 shutdown
!
interface GigabitEthernet0/9
 shutdown
!
interface GigabitEthernet0/10
 shutdown
```

```
!
interface GigabitEthernet0/11
 shutdown
!
interface GigabitEthernet0/12
 shutdown
!
interface GigabitEthernet0/13
 shutdown
!
interface GigabitEthernet0/14
 shutdown
!
interface GigabitEthernet0/15
 shutdown
!
interface GigabitEthernet0/16
 shutdown
!
interface GigabitEthernet0/17
 shutdown
!
interface GigabitEthernet0/18
 shutdown
!
interface GigabitEthernet0/19
 shutdown
!
interface GigabitEthernet0/20
 shutdown
!
interface GigabitEthernet0/21
 shutdown
!
interface GigabitEthernet0/22
 shutdown
!
interface GigabitEthernet0/23
 shutdown
!
interface GigabitEthernet0/24
 shutdown
!
interface GigabitEthernet0/25
 description open-mode 802.1x+mab+mda+acl
 switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 dot1x pae authenticator
 dot1x timeout tx-period 5
```

```
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/26
 description mobile worker
 switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 macro description dot1x
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/27
 shutdown
!
interface GigabitEthernet0/28
 shutdown
!
interface GigabitEthernet0/29
 shutdown
!
interface GigabitEthernet0/30
 switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 macro description dot1x
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
```

```
interface GigabitEthernet0/31
 switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 macro description dot1x
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/32
 switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 macro description dot1x
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/33
 switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
```

```
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 macro description dot1x
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/34
 switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 macro description dot1x
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/35
 switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 macro description dot1x
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/36
 switchport access vlan 11
 switchport mode access
```

```
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 macro description dot1x
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/37
 shutdown
!
interface GigabitEthernet0/38
 shutdown
!
interface GigabitEthernet0/39
 shutdown
!
interface GigabitEthernet0/40
 shutdown
!
interface GigabitEthernet0/41
 shutdown
!
interface GigabitEthernet0/42
 shutdown
!
interface GigabitEthernet0/43
 shutdown
!
interface GigabitEthernet0/44
 shutdown
!
interface GigabitEthernet0/45
 shutdown
!
interface GigabitEthernet0/46
 shutdown
!
interface GigabitEthernet0/47
 shutdown
!
interface GigabitEthernet0/48
 shutdown
!
interface GigabitEthernet1/1
 shutdown
!
interface GigabitEthernet1/2
 shutdown
!
```

```
interface GigabitEthernet1/3
 shutdown
!
interface GigabitEthernet1/4
 shutdown
!
interface TenGigabitEthernet1/1
 shutdown
!
interface TenGigabitEthernet1/2
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.111.13 255.255.255.0
!
ip default-gateway 10.10.111.1
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
ip access-list extended ACL-ALLOW
 permit ip any any
ip access-list extended ACL-DEFAULT
 remark DHCP
 permit udp any eq bootpc any eq bootps
 remark DNS
 permit udp any any eq domain
 remark ICMP Ping
 permit icmp any any
 remark PXE Boot
 permit udp any any eq tftp
 remark URL Redirect
 permit tcp any host 192.168.42.111 eq www
 permit tcp any host 192.168.42.111 eq 443
 permit tcp any host 192.168.42.112 eq www
 permit tcp any host 192.168.42.112 eq 443
 remark Guest Portal
 permit tcp any host 192.168.42.111 eq 8443
 permit tcp any host 192.168.42.112 eq 8443
 deny   ip any any
ip access-list extended ACL-POSTURE-REDIRECT
 deny   ip any host 192.168.42.111
 deny   ip any host 192.168.42.130
 permit ip any any
ip access-list extended ACL-WEBAUTH-REDIRECT
 remark Don't match traffic sent to ISE PDP Nodes
 deny   ip any host 192.168.42.111
 deny   ip any host 192.168.42.112
 deny   ip any host 10.35.48.242
 deny   ip any host 171.71.169.207
 permit ip any any
!
ip sla enable reaction-alerts
```

```
logging trap debugging
logging origin-id ip
logging source-interface Vlan1000
logging 192.168.42.124
logging host 192.168.42.111 transport udp port 20514
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
snmp-server host 192.168.42.111 version 2c retaillabISE  dot1x mac-notification snmp
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
radius-server attribute 6 on-for-login-auth
radius-server attribute 6 support-multiple
radius-server attribute 8 include-in-access-req
radius-server dead-criteria time 5 tries 3
radius-server host 192.168.42.111 auth-port 1812 acct-port 1813 key 7 <removed>
radius-server vsa send accounting
radius-server vsa send authentication
!
banner exec ^CC
WARNING:
```

```
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
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CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^CC
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 36027134
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
mac address-table notification change interval 0
mac address-table notification change
end
```

S-A2-Lrg-4

```
S-A2-LRG-4#sh run
Building configuration...

Current configuration : 26605 bytes
!
! Last configuration change at 02:56:42 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:56:45 PSTDST Sat Apr 30 2011 by retail
!
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 year
service password-encryption
service sequence-numbers
!
hostname S-A2-LRG-4
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed> username emc-ncm privilege 15 secret 5
<removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
macro auto device media-player ACCESS_VLAN=12
macro auto device ip-camera ACCESS_VLAN=20
macro auto device phone ACCESS_VLAN=17 VOICE_VLAN=13
macro auto device access-point ACCESS_VLAN=18
macro auto device lightweight-ap ACCESS_VLAN=18
!
macro auto global processing fallback cdp
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authentication dot1x default group radius local
aaa authorization exec default group tacacs+ if-authenticated
aaa authorization network default group radius
aaa authorization auth-proxy default group radius
aaa accounting update newinfo
aaa accounting dot1x default start-stop group radius
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
authentication mac-move permit
```

```
ip subnet-zero
no ip source-route
!
!
ip domain-name cisco-irn.com
ip host nac-2 192.168.42.112
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
mls qos map policed-dscp  24 26 46 to 0
mls qos map cos-dscp 0 8 16 24 32 46 48 56
mls qos srr-queue input bandwidth 90 10
mls qos srr-queue input threshold 1 8 16
mls qos srr-queue input threshold 2 34 66
mls qos srr-queue input buffers 67 33
mls qos srr-queue input cos-map queue 1 threshold 2 1
mls qos srr-queue input cos-map queue 1 threshold 3 0
mls qos srr-queue input cos-map queue 2 threshold 1 2
mls qos srr-queue input cos-map queue 2 threshold 2 4 6 7
mls qos srr-queue input cos-map queue 2 threshold 3 3 5
mls qos srr-queue input dscp-map queue 1 threshold 2 9 10 11 12 13 14 15
mls qos srr-queue input dscp-map queue 1 threshold 3 0 1 2 3 4 5 6 7
mls qos srr-queue input dscp-map queue 1 threshold 3 32
mls qos srr-queue input dscp-map queue 2 threshold 1 16 17 18 19 20 21 22 23
mls qos srr-queue input dscp-map queue 2 threshold 2 33 34 35 36 37 38 39 48
mls qos srr-queue input dscp-map queue 2 threshold 2 49 50 51 52 53 54 55 56
mls qos srr-queue input dscp-map queue 2 threshold 2 57 58 59 60 61 62 63
mls qos srr-queue input dscp-map queue 2 threshold 3 24 25 26 27 28 29 30 31
mls qos srr-queue input dscp-map queue 2 threshold 3 40 41 42 43 44 45 46 47
mls qos srr-queue output cos-map queue 1 threshold 3 5
mls qos srr-queue output cos-map queue 2 threshold 3 3 6 7
mls qos srr-queue output cos-map queue 3 threshold 3 2 4
mls qos srr-queue output cos-map queue 4 threshold 2 1
mls qos srr-queue output cos-map queue 4 threshold 3 0
mls qos srr-queue output dscp-map queue 1 threshold 3 40 41 42 43 44 45 46 47
mls qos srr-queue output dscp-map queue 2 threshold 3 24 25 26 27 28 29 30 31
mls qos srr-queue output dscp-map queue 2 threshold 3 48 49 50 51 52 53 54 55
mls qos srr-queue output dscp-map queue 2 threshold 3 56 57 58 59 60 61 62 63
mls qos srr-queue output dscp-map queue 3 threshold 3 16 17 18 19 20 21 22 23
mls qos srr-queue output dscp-map queue 3 threshold 3 32 33 34 35 36 37 38 39
mls qos srr-queue output dscp-map queue 4 threshold 1 8
mls qos srr-queue output dscp-map queue 4 threshold 2 9 10 11 12 13 14 15
mls qos srr-queue output dscp-map queue 4 threshold 3 0 1 2 3 4 5 6 7
mls qos queue-set output 1 threshold 1 138 138 92 138
mls qos queue-set output 1 threshold 2 138 138 92 400
mls qos queue-set output 1 threshold 3 36 77 100 318
mls qos queue-set output 1 threshold 4 20 50 67 400
mls qos queue-set output 2 threshold 1 149 149 100 149
mls qos queue-set output 2 threshold 2 118 118 100 235
mls qos queue-set output 2 threshold 3 41 68 100 272
mls qos queue-set output 2 threshold 4 42 72 100 242
mls qos queue-set output 1 buffers 10 10 26 54
mls qos queue-set output 2 buffers 16 6 17 61
mls qos
password encryption aes
!
crypto pki trustpoint TP-self-signed-4268542976
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-4268542976
 revocation-check none
 rsakeypair TP-self-signed-4268542976
```

```
!
!
crypto pki certificate chain TP-self-signed-4268542976
 certificate self-signed 01
  <removed> 1
  quit
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
dot1x system-auth-control
spanning-tree mode pvst
spanning-tree etherchannel guard misconfig
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map match-all AutoQoS-VoIP-RTP-Trust
 match ip dscp ef
class-map match-all AutoQoS-VoIP-Control-Trust
 match ip dscp cs3  af31
!
!
policy-map AutoQoS-Police-CiscoPhone
 class AutoQoS-VoIP-RTP-Trust
  set dscp ef
  police 320000 8000 exceed-action policed-dscp-transmit
 class AutoQoS-VoIP-Control-Trust
  set dscp cs3
  police 32000 8000 exceed-action policed-dscp-transmit
!
!
!
interface FastEthernet0
 no ip address
 shutdown
!
interface GigabitEthernet0/1
 switchport trunk encapsulation dot1q
 switchport mode trunk
 srr-queue bandwidth share 10 10 60 20
 queue-set 2
 priority-queue out
 mls qos trust cos
 macro description CISCO_SWITCH_EVENT
 auto qos voip trust
!
interface GigabitEthernet0/2
 switchport trunk encapsulation dot1q
 switchport mode trunk
 srr-queue bandwidth share 10 10 60 20
 queue-set 2
 priority-queue out
 mls qos trust cos
 macro description CISCO_SWITCH_EVENT
```

```
 auto qos voip trust
!
interface GigabitEthernet0/3
 description AIR-CAP3502E
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 18
 switchport trunk allowed vlan 14-18
 switchport mode access
 switchport block unicast
 switchport port-security aging time 1
 switchport port-security violation protect
 switchport port-security aging type inactivity
 load-interval 30
 srr-queue bandwidth share 10 10 60 20
 priority-queue out
 mls qos trust dscp
 macro description CISCO_WIRELESS_LIGHTWEIGHT_AP_EVENT
 storm-control broadcast level pps 1k
 storm-control multicast level pps 2k
 storm-control action trap
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 15
!
interface GigabitEthernet0/4
 description AIR-CAP3502I
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 18
 switchport trunk allowed vlan 14-18
 switchport mode access
 switchport block unicast
 switchport port-security aging time 1
 switchport port-security violation protect
 switchport port-security aging type inactivity
 load-interval 30
 srr-queue bandwidth share 10 10 60 20
 priority-queue out
 mls qos trust dscp
 macro description CISCO_WIRELESS_LIGHTWEIGHT_AP_EVENT
 storm-control broadcast level pps 1k
 storm-control multicast level pps 2k
 storm-control action trap
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 15
!
interface GigabitEthernet0/5
 shutdown
!
interface GigabitEthernet0/6
 shutdown
!
interface GigabitEthernet0/7
 switchport trunk encapsulation dot1q
 switchport mode trunk
 srr-queue bandwidth share 10 10 60 20
 queue-set 2
 priority-queue out
 mls qos trust cos
 macro description CISCO_SWITCH_EVENT
 auto qos voip trust
!
interface GigabitEthernet0/8
 shutdown
```

```
!
interface GigabitEthernet0/9
 shutdown
!
interface GigabitEthernet0/10
 shutdown
!
interface GigabitEthernet0/11
 description Cisco7975 IP phone
 switchport mode access
 switchport block unicast
 switchport voice vlan 2
 switchport port-security maximum 3
 switchport port-security maximum 2 vlan access
 switchport port-security
 switchport port-security aging time 1
 switchport port-security violation restrict
 switchport port-security aging type inactivity
 load-interval 30
 srr-queue bandwidth share 10 10 60 20
 queue-set 2
 priority-queue out
 mls qos trust device cisco-phone
 mls qos trust cos
 macro description CISCO_PHONE_EVENT
 auto qos voip cisco-phone
 storm-control broadcast level pps 1k
 storm-control multicast level pps 2k
 storm-control action trap
 spanning-tree portfast
 spanning-tree bpduguard enable
 service-policy input AutoQoS-Police-CiscoPhone
 ip dhcp snooping limit rate 15
!
interface GigabitEthernet0/12
 shutdown
!
interface GigabitEthernet0/13
 shutdown
!
interface GigabitEthernet0/14
 shutdown
!
interface GigabitEthernet0/15
 shutdown
!
interface GigabitEthernet0/16
 shutdown
!
interface GigabitEthernet0/17
 shutdown
!
interface GigabitEthernet0/18
 shutdown
!
interface GigabitEthernet0/19
 shutdown
!
interface GigabitEthernet0/20
 shutdown
!
interface GigabitEthernet0/21
 shutdown
!
```

```
interface GigabitEthernet0/22
 shutdown
!
interface GigabitEthernet0/23
 shutdown
!
interface GigabitEthernet0/24
 shutdown
!
interface GigabitEthernet0/25
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/26
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/27
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/28
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
```

```
!
interface GigabitEthernet0/29
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/30
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/31
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/32
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/33
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
```

```
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/34
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/35
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/36
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/37
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/38
```

```
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/39
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/40
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/41
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/42
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
```

```
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/43
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/44
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/45
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/46
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/47
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
```

```
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/48
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet1/1
 shutdown
!
interface GigabitEthernet1/2
 shutdown
!
interface GigabitEthernet1/3
 shutdown
!
interface GigabitEthernet1/4
 shutdown
!
interface TenGigabitEthernet1/1
 shutdown
!
interface TenGigabitEthernet1/2
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.111.14 255.255.255.0
!
ip default-gateway 10.10.111.1
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
ip access-list extended ACL-DEFAULT
 remark DHCP
```

```
 permit udp any eq bootpc any eq bootps
 remark DNS
 permit udp any any eq domain
 remark ICMP Ping
 permit icmp any any
 remark PXE Boot
 permit udp any any eq tftp
 remark URL Redirect
 permit tcp any host 192.168.42.111 eq www
 permit tcp any host 192.168.42.111 eq 443
 permit tcp any host 192.168.42.112 eq www
 permit tcp any host 192.168.42.112 eq 443
 remark Guest Portal
 permit tcp any host 192.168.42.111 eq 8443
 permit tcp any host 192.168.42.112 eq 8443
 deny   ip any any
ip access-list extended ACL-WEBAUTH-REDIRECT
 remark Don't match traffic sent to ISE PDP Nodes
 deny   ip any host 192.168.42.111
 deny   ip any host 192.168.42.112
 deny   ip any host 10.35.48.242
 remark Don't match traffic sent to remediation services (wwwin-download.cisco.com)
 deny   ip any host 171.71.169.207
 remark Match all other traffic for redirection
 permit ip any any
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
```

```
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
snmp-server host 192.168.42.111 version 2c retaillabISE  dot1x mac-notification snmp
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
radius-server dead-criteria time 5 tries 3
radius-server host 192.168.42.111 auth-port 1812 acct-port 1813 key 7 <removed>
!
banner exec ^C
WARNING:
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                    **** AUTHORIZED USERS ONLY! ****
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
```

```
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 36027569
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

S-A2-Lrg-5

```
S-A2-LRG-5#sh run
Building configuration...

Current configuration : 10739 bytes
!
! Last configuration change at 03:00:15 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 03:00:17 PSTDST Sat Apr 30 2011 by retail
!
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 year
service password-encryption
service sequence-numbers
!
hostname S-A2-LRG-5
!
boot-start-marker
boot-end-marker
!
shell trigger POS-Systems POS-Systems
logging buffered 51200
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
macro global description cisco-desktop
macro auto execute CISCO_LAST_RESORT_EVENT builtin CISCO_AP_AUTO_SMARTPORT ACCESS_VLAN=17
macro auto execute Retail-POS builtin CISCO_PHONE_AUTO_SMARTPORT ACCESS_VLAN=11
VOICE_VLAN=13
macro auto execute POS-Systems remote scp://SMARTPORT@192.168.42.122/POS-Systems.txt
ACCESS_VLAN=11 VOICE_VLAN=13
!
macro auto mac-address-group Retail-POS
 oui list 001C26
 oui list 001C25
 mac-address list 0021.5C02.1DEF
```

```
 mac-address list 001C.25BE.99C2
macro auto device media-player ACCESS_VLAN=12
macro auto device ip-camera ACCESS_VLAN=20
macro auto device phone ACCESS_VLAN=17 VOICE_VLAN=13
macro auto device access-point ACCESS_VLAN=18
macro auto device lightweight-ap ACCESS_VLAN=18
!
macro auto global processing fallback cdp
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
mls qos map cos-dscp 0 8 16 24 32 46 48 56
mls qos srr-queue output cos-map queue 1 threshold 3 4 5
mls qos srr-queue output cos-map queue 2 threshold 1 2
mls qos srr-queue output cos-map queue 2 threshold 2 3
mls qos srr-queue output cos-map queue 2 threshold 3 6 7
mls qos srr-queue output cos-map queue 3 threshold 3 0
mls qos srr-queue output cos-map queue 4 threshold 3 1
mls qos srr-queue output dscp-map queue 1 threshold 3 32 33 40 41 42 43 44 45
mls qos srr-queue output dscp-map queue 1 threshold 3 46 47
mls qos srr-queue output dscp-map queue 2 threshold 1 16 17 18 19 20 21 22 23
mls qos srr-queue output dscp-map queue 2 threshold 1 26 27 28 29 30 31 34 35
mls qos srr-queue output dscp-map queue 2 threshold 1 36 37 38 39
mls qos srr-queue output dscp-map queue 2 threshold 2 24
mls qos srr-queue output dscp-map queue 2 threshold 3 48 49 50 51 52 53 54 55
mls qos srr-queue output dscp-map queue 2 threshold 3 56 57 58 59 60 61 62 63
mls qos srr-queue output dscp-map queue 3 threshold 3 0 1 2 3 4 5 6 7
mls qos srr-queue output dscp-map queue 4 threshold 1 8 9 11 13 15
mls qos srr-queue output dscp-map queue 4 threshold 2 10 12 14
mls qos queue-set output 1 threshold 1 100 100 50 200
mls qos queue-set output 1 threshold 2 125 125 100 400
mls qos queue-set output 1 threshold 3 100 100 100 400
mls qos queue-set output 1 threshold 4 60 150 50 200
mls qos queue-set output 1 buffers 15 25 40 20
mls qos
password encryption aes
!
crypto pki trustpoint TP-self-signed-3964801920
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-3964801920
 revocation-check none
```

```
 rsakeypair TP-self-signed-3964801920
!
!
crypto pki certificate chain TP-self-signed-3964801920
 certificate self-signed 01
  <removed>
  quit
spanning-tree mode pvst
spanning-tree extend system-id
auto qos srnd4
!
!
!
!
vlan internal allocation policy ascending
!
ip ssh version 2
ip scp server enable
!
!
interface GigabitEthernet0/1
 switchport access vlan 17
!
interface GigabitEthernet0/2
 switchport access vlan 17
!
interface GigabitEthernet0/3
 switchport access vlan 17
!
interface GigabitEthernet0/4
 switchport access vlan 17
!
interface GigabitEthernet0/5
 switchport access vlan 17
!
interface GigabitEthernet0/6
 switchport access vlan 17
!
interface GigabitEthernet0/7
 switchport access vlan 17
!
interface GigabitEthernet0/8
 switchport access vlan 17
!
interface GigabitEthernet0/9
 description Uplink to S-A2-LRG-4 G0/7
 switchport trunk encapsulation dot1q
 switchport mode trunk
 srr-queue bandwidth share 1 30 35 5
 queue-set 2
 priority-queue out
 mls qos trust cos
 macro description CISCO_SWITCH_EVENT
 auto qos trust
!
interface GigabitEthernet0/10
!
interface Vlan1
 no ip address
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.111.15 255.255.255.0
!
```

```
ip default-gateway 10.10.111.1
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131 timeout 5
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec ^C
WARNING:
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^C
```

```
banner incoming ^C
WARNING:
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 speed 115200
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 22518292
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
!
end
```

S-a2-med-1

```
S-A2-MED-1/2#sh run
Building configuration...

Current configuration : 16629 bytes
!
! Last configuration change at 02:28:28 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:28:32 PSTDST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
```

```
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime msec localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
!
hostname S-A2-MED-1/2
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
switch 1 provision ws-c3750x-48p
switch 2 provision ws-c3750x-48p
system mtu routing 1500
authentication mac-move permit
ip subnet-zero
no ip source-route
no ip gratuitous-arps
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-4271428864
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-4271428864
 revocation-check none
 rsakeypair TP-self-signed-4271428864
!
!
crypto pki certificate chain TP-self-signed-4271428864
```

```
 certificate self-signed 01
  <removed>  quit
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree etherchannel guard misconfig
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
!
ip tcp synwait-time 10
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet0
 no ip address
 shutdown
!
interface GigabitEthernet1/0/1
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet1/0/2
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet1/0/3
 description Cisco9971 IP phone
 switchport access vlan 11
 switchport trunk encapsulation dot1q
 switchport voice vlan 13
 spanning-tree portfast
!
interface GigabitEthernet1/0/4
 description Cisco7975 IP phone
 switchport access vlan 11
 switchport trunk encapsulation dot1q
 switchport voice vlan 13
 spanning-tree portfast
!
interface GigabitEthernet1/0/5
 switchport access vlan 20
!
interface GigabitEthernet1/0/6
 description CPAM Gateway
 switchport access vlan 20
!
interface GigabitEthernet1/0/7
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet1/0/8
 switchport access vlan 17
 shutdown
!
```

```
interface GigabitEthernet1/0/9
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/10
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/11
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/12
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/13
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/14
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/15
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/16
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/17
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/18
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/19
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/20
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/21
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/22
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/23
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/24
 switchport access vlan 17
 shutdown
!
```

```
interface GigabitEthernet1/0/25
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/26
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/27
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/28
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/29
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/30
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/31
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/32
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/33
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/34
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/35
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/36
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/37
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/38
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/39
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/40
 switchport access vlan 17
 shutdown
!
```

```
interface GigabitEthernet1/0/41
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/42
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/43
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/44
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/45
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/46
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/47
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/48
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/1/1
 shutdown
!
interface GigabitEthernet1/1/2
 shutdown
!
interface GigabitEthernet1/1/3
 shutdown
!
interface GigabitEthernet1/1/4
 shutdown
!
interface TenGigabitEthernet1/1/1
 shutdown
!
interface TenGigabitEthernet1/1/2
 shutdown
!
interface GigabitEthernet2/0/1
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet2/0/2
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
```

```
interface GigabitEthernet2/0/5
 description AIR-CAP3502E
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 18
 switchport trunk allowed vlan 14-18
 switchport mode trunk
!
interface GigabitEthernet2/0/6
 description AIR-LAP1262N
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 18
 switchport trunk allowed vlan 14-18
 switchport mode trunk
!
interface GigabitEthernet2/0/7
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet2/0/8
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/9
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/10
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/11
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/12
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/13
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/14
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/15
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/16
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/17
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/18
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/19
 switchport access vlan 17
```

```
 shutdown
!
interface GigabitEthernet2/0/20
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/21
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/22
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/23
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/24
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/25
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/26
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/27
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/28
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/29
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/30
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/31
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/32
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/33
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/34
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/35
 switchport access vlan 17
```

```
 shutdown
!
interface GigabitEthernet2/0/36
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/37
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/38
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/39
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/40
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/41
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/42
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/43
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/44
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/45
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/46
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/47
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/48
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/1/1
 shutdown
!
interface GigabitEthernet2/1/2
 shutdown
!
interface GigabitEthernet2/1/3
 shutdown
!
interface GigabitEthernet2/1/4
```

```
 shutdown
!
interface TenGigabitEthernet2/1/1
 shutdown
!
interface TenGigabitEthernet2/1/2
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.127.11 255.255.255.0
!
ip default-gateway 10.10.127.1
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps power-ethernet group 1-4
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
```

```
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 speed 115200
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
```

```
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
scheduler interval 500
ntp clock-period 36027426
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

S-A2-MED-1/2#
```

S-A2-Med-3

```
S-A2-MED-3#sh run
Building configuration...

Current configuration : 8650 bytes
!
! Last configuration change at 02:34:20 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:34:21 PSTDST Sat Apr 30 2011 by retail
!
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 year
service password-encryption
service sequence-numbers
!
hostname S-A2-MED-3
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
```

```
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
no ip source-route
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-1308417408
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1308417408
 revocation-check none
 rsakeypair TP-self-signed-1308417408
!
!
crypto pki certificate chain TP-self-signed-1308417408
 certificate self-signed 01
  <removed>  quit
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet0/1
 switchport access vlan 17
 shutdown
!
interface FastEthernet0/2
 switchport access vlan 17
 shutdown
!
interface FastEthernet0/3
 switchport access vlan 17
 shutdown
```

```
!
interface FastEthernet0/4
 switchport access vlan 17
 shutdown
!
interface FastEthernet0/5
 switchport access vlan 17
 shutdown
!
interface FastEthernet0/6
 switchport access vlan 17
 shutdown
!
interface FastEthernet0/7
 switchport access vlan 17
 shutdown
!
interface FastEthernet0/8
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/1
 shutdown
!
interface GigabitEthernet0/2
!
interface Vlan1
 no ip address
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.127.13 255.255.255.0
!
ip default-gateway 10.10.127.1
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
```

```
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    *                    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO ADMINISTRATOR OR OTHEMIME WITHOUT
FU L
NFORCEMENT OFFCIAL NDPRSETHO OF STATEAND FEER^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 speed 115200
line vty 0 4
```

```
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 36028775
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

S-A2-Mini-1

```
S-A2-Mini-1#sh run
Building configuration...

Current configuration : 9017 bytes
!
! Last configuration change at 02:15:02 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:15:04 PSTDST Sat Apr 30 2011 by retail
!
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 sequence-numbers
!
hostname S-A2-Mini-1
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
```

```
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
ip subnet-zero
no ip source-route
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-1919348736
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1919348736
 revocation-check none
 rsakeypair TP-self-signed-1919348736
!
!
crypto pki certificate chain TP-self-signed-1919348736
 certificate self-signed 01
  <removed>
  quit
!
!
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
!
interface GigabitEthernet0/1
 switchport mode trunk
!
interface GigabitEthernet0/2
 switchport access vlan 17
 shutdown
!
```

```
interface GigabitEthernet0/3
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/4
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/5
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/6
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/7
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/8
 switchport mode trunk
!
interface Vlan1
 no ip address
 no ip route-cache
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.159.11 255.255.255.0
 no ip route-cache
!
ip default-gateway 10.10.159.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

```
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps energywise
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
control-plane
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
```

```
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 36028654
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

S-A2-Mini-2

```
S-A2-Mini-2#sh run
Building configuration...

Current configuration : 9094 bytes
!
! Last configuration change at 02:19:10 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:19:11 PSTDST Sat Apr 30 2011 by retail
!
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 sequence-numbers
!
hostname S-A2-Mini-2
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
```

```
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
ip subnet-zero
no ip source-route
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-1919334912
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1919334912
 revocation-check none
 rsakeypair TP-self-signed-1919334912
!
!
crypto pki certificate chain TP-self-signed-1919334912
 certificate self-signed 01
  <removed>
  quit
!
!
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
!
```

```
interface GigabitEthernet0/1
 description AIR-CAP3502E
 switchport trunk native vlan 18
 switchport trunk allowed vlan 14-18
 switchport mode trunk
!
interface GigabitEthernet0/2
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/3
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/4
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/5
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/6
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/7
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/8
 switchport mode trunk
!
interface Vlan1
 no ip address
 no ip route-cache
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.159.12 255.255.255.0
 no ip route-cache
!
ip default-gateway 10.10.159.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
```

```
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps energywise
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
control-plane
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
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REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
```

```
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 36028680
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

S-A2-MSP-1

```
Building configuration...

Current configuration : 10554 bytes
!
! Last configuration change at 02:08:19 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:08:21 PSTDST Sat Apr 30 2011 by retail
!
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 localtime show-timezone
service password-encryption
service sequence-numbers
!
hostname S-A2-MSP-1
!
logging buffered 50000 debugging
```

```
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
ip subnet-zero
no ip source-route
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-4189032704
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-4189032704
 revocation-check none
 rsakeypair TP-self-signed-4189032704
!
!
crypto pki certificate chain TP-self-signed-4189032704
 certificate self-signed 01
  <removed>
  quit
!
!
archive
 log config
  logging enable
  hidekeys
no file verify auto
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
interface FastEthernet0
 no ip address
 shutdown
!
interface GigabitEthernet0/1
```

```
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet0/2
 description AIR-CAP3502I
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 18
 switchport trunk allowed vlan 14-18
 switchport mode trunk
!
interface GigabitEthernet0/3
!
interface GigabitEthernet0/4
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/5
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/6
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/7
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/8
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/9
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/10
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/11
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/12
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/13
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/14
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/15
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/16
 switchport access vlan 17
 shutdown
!
```

```
interface GigabitEthernet0/17
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/18
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/19
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/20
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/21
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/22
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/23
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/24
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/25
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/26
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/27
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet0/28
 switchport access vlan 17
 shutdown
!
interface TenGigabitEthernet0/1
 shutdown
!
interface TenGigabitEthernet0/2
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.191.11 255.255.255.0
!
ip default-gateway 10.10.191.1
ip classless
```

```
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
!
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps power-ethernet group 1
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps hsrp
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
radius-server source-ports 1645-1646
!
control-plane
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
```

```
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 36026372
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

S-A2-Small

```
S-A2-Small-1#sh run
Building configuration...

Current configuration : 16143 bytes
!
! Last configuration change at 02:23:14 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:23:18 PSTDST Sat Apr 30 2011 by retail
!
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 year
service password-encryption
service sequence-numbers
!
hostname S-A2-Small-1
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed> username emc-ncm privilege 15 secret 5
<removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
switch 1 provision ws-c2960s-48fps-l
switch 2 provision ws-c2960s-48fps-l
authentication mac-move permit
ip subnet-zero
no ip source-route
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
```

```
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-1383908352
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1383908352
 revocation-check none
 rsakeypair TP-self-signed-1383908352
!
!
crypto pki certificate chain TP-self-signed-1383908352
 certificate self-signed 01
  30820252 308201BB A0030201 02020101 300D0609 2A864886 F70D0101 04050030
  31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274
  69666963 6174652D 31333833 39303833 3532301E 170D3131 30343232 30333331
  35375A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649
  4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D31 33383339
  30383335 3230819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281
  8100BD50 C6915FE3 A1789C0E 11A0BABD EC2528DB 3F8FBCF6 64D90C72 AD2D2A13
  A012AB72 F5F9EEDE 4E77EDA9 D3CE6985 BA2246A1 21FF6D61 B8FFC558 331CD608
  DB59F546 838396C6 29266AF9 6B968127 75A7CE55 6D0B3734 0454EA42 24E9C995
  1AC5D0C3 0850D703 F58A2E82 6FB13D8D 372F03D8 A5B2B577 CDB7A9D5 7AFC40B6
  B26B0203 010001A3 7A307830 0F060355 1D130101 FF040530 030101FF 30250603
  551D1104 1E301C82 1A532D41 322D536D 616C6C2D 312E6369 73636F2D 69726E2E
  636F6D30 1F060355 1D230418 30168014 107F4DD8 762989FE 887F813D 62A1D871
  C9A4D3D4 301D0603 551D0E04 16041410 7F4DD876 2989FE88 7F813D62 A1D871C9
  A4D3D430 0D06092A 864886F7 0D010104 05000381 810045BF 884709EE FA837D06
  262E65C8 865912B1 44D5DE7F 459A7DEF DAEB3D94 B2D5A978 5CCF425E 1FED41CE
  2046BA9D 130DE1BD 4A7F3F99 B6AD32CA 3857A088 01083AAB 24557476 73F8AAC6
  634964A5 455F4DB2 AC36D64E EA2C71AD 296D82B6 CE1EDCCB 0724DB5D 0D332C10
  A17D5B1F E8926DC9 137519A1 521C9155 AF9AF52B 00BD
  quit
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree etherchannel guard misconfig
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet0
 no ip address
!
interface GigabitEthernet1/0/1
 switchport mode trunk
!
interface GigabitEthernet1/0/2
 switchport mode trunk
!
interface GigabitEthernet1/0/3
 description IP Cameras - 4300
 switchport access vlan 20
```

```
 switchport mode access
!
interface GigabitEthernet1/0/4
 description CPAM Gateway
 switchport access vlan 20
!
interface GigabitEthernet1/0/5
 switchport mode trunk
!
interface GigabitEthernet1/0/6
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/7
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/8
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/9
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/10
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/11
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/12
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/13
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/14
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/15
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/16
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/17
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/18
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/19
 switchport access vlan 17
 shutdown
```

```
!
interface GigabitEthernet1/0/20
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/21
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/22
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/23
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/24
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/25
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/26
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/27
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/28
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/29
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/30
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/31
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/32
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/33
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/34
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/35
 switchport access vlan 17
 shutdown
```

```
!
interface GigabitEthernet1/0/36
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/37
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/38
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/39
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/40
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/41
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/42
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/43
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/44
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/45
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/46
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/47
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/48
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/49
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/50
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet1/0/51
 switchport access vlan 17
 shutdown
```

```
!
interface GigabitEthernet1/0/52
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/1
 shutdown
!
interface GigabitEthernet2/0/2
 shutdown
!
interface GigabitEthernet2/0/3
 description Cisco7975 IP phone
 switchport access vlan 11
 switchport voice vlan 13
 spanning-tree portfast
!
interface GigabitEthernet2/0/4
 description AIR-CAP3502I
 switchport trunk native vlan 18
 switchport trunk allowed vlan 14-18
 switchport mode trunk
!
interface GigabitEthernet2/0/5
 description Cisco9971 IP phone
 switchport access vlan 11
 switchport voice vlan 13
 spanning-tree portfast
!
interface GigabitEthernet2/0/6
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/7
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/8
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/9
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/10
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/11
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/12
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/13
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/14
 switchport access vlan 17
 shutdown
```

```
!
interface GigabitEthernet2/0/15
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/16
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/17
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/18
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/19
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/20
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/21
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/22
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/23
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/24
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/25
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/26
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/27
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/28
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/29
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/30
 switchport access vlan 17
 shutdown
```

```
!
interface GigabitEthernet2/0/31
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/32
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/33
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/34
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/35
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/36
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/37
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/38
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/39
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/40
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/41
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/42
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/43
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/44
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/45
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/46
 switchport access vlan 17
 shutdown
```

```
!
interface GigabitEthernet2/0/47
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/48
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/49
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/50
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/51
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/52
 switchport access vlan 17
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.143.11 255.255.255.0
!
ip default-gateway 10.10.143.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
```

```
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps power-ethernet group 1-4
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^CC
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
```

```
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 22518357
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

saccess-1

```
!
! Last configuration change at 01:58:36 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:58:36 PSTDST Sat Apr 30 2011 by retail
!
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 localtime show-timezone
service password-encryption
service compress-config
service sequence-numbers
!
hostname SACCESS-1
!
boot-start-marker
boot-end-marker
!
logging snmp-authfail
logging buffered 51200 debugging
enable secret 5 <removed>
!
username emc-ncm privilege 15 secret 5 <removed>
username retail privilege 15 secret 5 <removed> username bart privilege 15 secret 5
<removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
```

```
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
ip subnet-zero
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
no ip bootp server
ip ssh version 2
ip scp server enable
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
vtp mode transparent
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-112603
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-112603
 revocation-check none
 rsakeypair TP-self-signed-112603
!
!
crypto pki certificate chain TP-self-signed-112603
 certificate self-signed 01
  <removed>
  quit
!
!
power redundancy-mode redundant
archive
 log config
  logging enable
  hidekeys
no file verify auto
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 20,41-43
!
vlan 44
 name PhysicalSec
!
vlan 45-50,52,62
!
vlan 64
 name Databases
!
vlan 72,146,164,256,666,1000
!
interface Loopback0
 no ip address
!
interface Port-channel1
```

```
 description to Aggregation Switches
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 38,41,42,44
 switchport mode trunk
 logging event link-status
 flowcontrol receive on
!
interface GigabitEthernet1/1
 description SRV-DC-1
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/2
 description SRV-DC-2
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 41
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/3
 description SRV-DC-3
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/4
 description SRV-DC-4
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/5
 description SRV-DC-5
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/6
 description SRV-DC-6=CUAE
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/7
 description SRV-DC-7=CCM511
 switchport access vlan 45
 spanning-tree portfast
!
interface GigabitEthernet1/8
 description SRV-DC-8 - Oracle RDBMS 10g
 switchport access vlan 64
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 64
```

```
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/9
 description MSP-DC-1
 switchport access vlan 44
 switchport trunk encapsulation dot1q
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet1/10
 description SRV-DC-10
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/11
 description SRV-DC-11
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/12
 description SRV-DC-12
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/13
 description SRV-DC-13
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/14
 description SRV-DC-14
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/15
 description SRV-DC-15
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/16
 description SRV-DC-16
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
```

```
 spanning-tree portfast trunk
!
interface GigabitEthernet1/17
 description SRV-DC-17
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/18
 description SRV-DC-18
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/19
 description SRV-DC-19
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/20
 description SRV-DC-20
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/21
 description SRV-DC-21
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/22
 description SRV-DC-22
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/23
 description SRV-DC-23
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/24
 description SRV-DC-24
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/25
 description SRV-DC-25
 switchport access vlan 42
 switchport trunk encapsulation dot1q
```

```
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/26
 description server 14 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/27
 description server 15 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/28
 description server 16 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/29
 description server 18 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/30
 description server 19 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/31
 description server 20 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/32
 description server 21 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/33
 description VXML Rouer VEM
 switchport access vlan 45
 spanning-tree portfast
!
interface GigabitEthernet1/34
 description SPAN to SRV-DC-28-NICE VoiceRecorder
 switchport trunk encapsulation dot1q
 spanning-tree portfast
!
interface GigabitEthernet1/35
 description Small store 1800 server e1
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 spanning-tree portfast
!
interface GigabitEthernet1/36
 description small store 1800 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/37
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
```

```
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/38
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/39
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/40
 description IPcelerate Server
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/41
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/42
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/43
 description EMC SAN Mgt-A
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/44
 description PRomise SAN M1
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/45
 switchport access vlan 42
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet1/46
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
```

```
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/47
 description Uplink to RSERV-1 Management G7/1
 switchport access vlan 42
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet1/48
 description Uplink to RSERV-2 Management G7/1
 switchport access vlan 42
 switchport mode access
 spanning-tree portfast
!
interface TenGigabitEthernet1/49
 description Uplink to RAGG-1-VDC2 T1/13
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 38,41,42,44
 switchport mode trunk
 channel-group 1 mode active
 spanning-tree portfast trunk
!
interface TenGigabitEthernet1/50
 description Uplink to RAGG-2-VDC2 T1/13
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 38,41,42,44
 switchport mode trunk
 channel-group 1 mode active
 spanning-tree portfast trunk
!
interface Vlan1
 no ip address
!
interface Vlan42
 ip address 192.168.42.33 255.255.255.0
!
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.42.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip tacacs source-interface Vlan42
!
!
logging source-interface Vlan42
logging 192.168.42.121
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
```

```
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFF0F
snmp-server trap-source Vlan42
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps flash insertion removal
snmp-server enable traps cpu threshold
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps hsrp
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
no tacacs-server directed-request
tacacs-server key 7 <removed>
radius-server source-ports 1645-1646
!
control-plane
!
banner exec
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****

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TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
```

```
banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
!
monitor session 1 source interface Gi1/33
monitor session 1 destination interface Gi1/34
ntp clock-period 17181001
ntp server 192.168.0.1
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

saccess-2

```
!
! Last configuration change at 01:59:33 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:59:33 PST Sat Apr 30 2011 by retail
!
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 compress-config
service sequence-numbers
!
hostname SACCESS-2
!
boot-start-marker
boot-end-marker
!
logging buffered 51200 debugging
```

```
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
aaa new-model
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
aaa session-id common
clock timezone PST -8
clock summer-time PST recurring
vtp mode transparent
ip subnet-zero
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
no ip bootp server
ip ssh version 2
ip scp server enable
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
!
no file verify auto
spanning-tree mode pvst
spanning-tree extend system-id
power redundancy-mode redundant
!
!
!
vlan internal allocation policy ascending
!
vlan 20,40-43
!
vlan 44
 name PhysicalSec
!
vlan 45-49,52,62,64,72,146,164,256,666,1000
!
interface Port-channel2
 description to Aggregation Switches
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 38,41,42,44
 switchport mode trunk
 logging event link-status
 flowcontrol receive on
!
interface GigabitEthernet1/1
 description SRV-DC-1
 switchport access vlan 42
```

```
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/2
 description SRV-DC-2
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/3
 description SRV-DC-3
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/4
 description SRV-DC-4
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/5
 description SRV-DC-5
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/6
 description SRV-DC-6=CUAE
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/7
 description SRV-DC-7=CCM511
 switchport access vlan 45
 spanning-tree portfast
!
interface GigabitEthernet1/8
 description SRV-DC-8
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/9
 description MSP-DC-1
 switchport access vlan 44
 switchport trunk encapsulation dot1q
 switchport mode access
 spanning-tree portfast
```

```
!
interface GigabitEthernet1/10
 description SRV-DC-10
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/11
 description SRV-DC-11
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/12
 description SRV-DC-12
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/13
 description SRV-DC-13
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/14
 description SRV-DC-14
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/15
 description SRV-DC-15
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/16
 description SRV-DC-16
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/17
 description SRV-DC-17
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
```

```
interface GigabitEthernet1/18
 description SRV-DC-18
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/19
 description SRV-DC-19
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/20
 description SRV-DC-20
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/21
 description SRV-DC-21
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/22
 description SRV-DC-22
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 4094
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/23
 description SRV-DC-23
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/24
 description SRV-DC-24
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/25
 description SRV-DC-25
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/26
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
```

```
 spanning-tree portfast trunk
!
interface GigabitEthernet1/27
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/28
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/29
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/30
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/31
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/32
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/33
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/34
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/35
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/36
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/37
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/38
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/39
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/40
```

```
 description IPcelerate Server
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/41
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/42
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/43
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/44
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/45
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 spanning-tree portfast trunk
!
interface GigabitEthernet1/46
 switchport access vlan 42
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 42
 switchport mode trunk
 shutdown
 spanning-tree portfast trunk
!
interface GigabitEthernet1/47
 description TEMP Uplink to RSERV-1 Management G7/2
 switchport access vlan 42
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet1/48
 description TEMP Uplink to RSERV-2 Management G7/2
 switchport access vlan 42
 switchport mode access
 spanning-tree portfast
!
interface TenGigabitEthernet1/49
 description Uplink to RAGG-1-VDC2 T1/14
```

```
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 38,41,42,44
 switchport mode trunk
 spanning-tree portfast trunk
 channel-group 2 mode active
!
interface TenGigabitEthernet1/50
 description Uplink to RAGG-2-VDC2 T1/14
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 38,41,42,44
 switchport mode trunk
 spanning-tree portfast trunk
 channel-group 2 mode active
!
interface Vlan1
 no ip address
!
interface Vlan42
 ip address 192.168.42.34 255.255.255.0
!
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.42.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan42
!
!
!
logging trap debugging
logging source-interface Vlan42
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFF0F
snmp-server trap-source Vlan42
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps port-security
snmp-server enable traps config
```

```
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps flash insertion removal
snmp-server enable traps syslog
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps hsrp
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
radius-server source-ports 1645-1646
banner exec
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming
WARNING:
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TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
```

```
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 17181029
ntp source Vlan42
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
!
end
```

SACCESS-3

```
!Command: show running-config
!Time: Sat Apr 30 01:56:18 2011

version 5.0(3)N1(1b)
feature fcoe

feature privilege
no feature telnet
no telnet server enable
feature tacacs+
cfs eth distribute
feature lacp
feature vpc
feature lldp
feature fex

username admin password 5 <removed>   role network-admin
username retail password 5 <removed>   role network-admin
username bart password 5 <removed>  role network-admin
username emc-ncm password 5 <removed>  role network-admin
enable secret 5 <removed>

banner motd #
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
#

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host SACCESS-3 192.168.41.33
tacacs-server key 7 "<removed>"
```

```
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf management
    source-interface mgmt0
hostname SACCESS-3
ip access-list 23
  statistics per-entry
  10 permit ip 127.0.0.1/32 192.168.41.33/32
  20 permit ip 192.168.41.101/32 192.168.41.33/32
  30 permit ip 192.168.41.102/32 192.168.41.33/32
  40 permit ip 192.168.42.111/32 192.168.41.33/32
  50 permit ip 192.168.42.122/32 192.168.41.33/32
  60 permit ip 192.168.42.131/32 192.168.41.33/32
  70 permit ip 192.168.42.133/32 192.168.41.33/32
  80 permit ip 192.168.42.138/32 192.168.41.33/32
  90 permit ip 10.19.151.99/32 192.168.41.33/32
  100 deny ip any any
ip access-list 88
  statistics per-entry
  10 permit ip 192.168.42.122/32 192.168.41.33/32
  20 deny ip any any
class-map type qos class-fcoe
class-map type queuing class-all-flood
  match qos-group 2
class-map type queuing class-ip-multicast
  match qos-group 2
class-map type network-qos class-all-flood
  match qos-group 2
class-map type network-qos class-ip-multicast
  match qos-group 2
snmp-server user bart network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server host 192.168.41.101 traps version 2c public  udp-port 2162
no snmp-server enable traps entity entity_mib_change
no snmp-server enable traps entity entity_module_status_change
no snmp-server enable traps entity entity_power_status_change
no snmp-server enable traps entity entity_module_inserted
no snmp-server enable traps entity entity_module_removed
no snmp-server enable traps entity entity_unrecognised_module
no snmp-server enable traps entity entity_fan_status_change
no snmp-server enable traps rf redundancy_framework
snmp-server enable traps entity fru
ntp server 192.168.62.161 use-vrf management
ntp server 192.168.62.162 use-vrf management
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
  ip route 0.0.0.0/0 192.168.41.1
vlan 1
vlan 36
  name DeviceMgmtHigh
vlan 37
  name DeviceMgmtLow
vlan 38
  name HyTrust
vlan 40
  name Server_iLO
```

```
vlan 41
  name ESX_Server
vlan 42
  name CoreManagement
vlan 43
  name WirelessSystems
vlan 45
vlan 52
  name POS
vlan 80-82,140-141
vlan 302
  fcoe vsan 2
vsan database
  vsan 2 name "Promise-2"
fcdomain fcid database
  vsan 2 wwn 21:00:00:1b:32:00:ab:0d fcid 0xee0000 area dynamic
  vsan 2 wwn 21:00:00:1b:32:00:70:0d fcid 0xee0100 area dynamic
  vsan 2 wwn 21:00:00:1b:32:00:33:0c fcid 0xee0200 area dynamic
  vsan 2 wwn 21:00:00:1b:32:00:5d:0d fcid 0xee0300 area dynamic
  vsan 2 wwn 21:00:00:1b:32:80:0b:10 fcid 0xee0400 area dynamic
  vsan 2 wwn 21:00:00:1b:32:80:52:10 fcid 0xee0500 area dynamic
  vsan 2 wwn 21:00:00:1b:32:80:da:0f fcid 0xee0600 area dynamic
  vsan 2 wwn 21:00:00:1b:32:00:3a:0c fcid 0xee0700 area dynamic
  vsan 2 wwn 21:00:00:1b:32:80:f1:0f fcid 0xee0800 area dynamic
  vsan 1 wwn 26:01:00:01:55:35:7e:44 fcid 0xee0000 dynamic
  vsan 2 wwn 21:00:00:1b:32:00:5e:0d fcid 0xee0900 area dynamic


interface port-channel3
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52

interface vfc513
  bind interface Ethernet1/13
  no shutdown

interface vfc514
  bind interface Ethernet1/14
  no shutdown

interface vfc515
  bind interface Ethernet1/15
  no shutdown

interface vfc516
  bind interface Ethernet1/16
  no shutdown

interface vfc517
  bind interface Ethernet1/17
  no shutdown

interface vfc518
  bind interface Ethernet1/18
  no shutdown

interface vfc519
  bind interface Ethernet1/19
  no shutdown

interface vfc520
  bind interface Ethernet1/20
  no shutdown
```

```
interface vfc521
  bind interface Ethernet1/21
  no shutdown

interface vfc522
  bind interface Ethernet1/22
  no shutdown

interface vfc523
  bind interface Ethernet1/23
  no shutdown

interface vfc524
  bind interface Ethernet1/24
  no shutdown

interface vfc525
  bind interface Ethernet1/25
  no shutdown

interface vfc526
  bind interface Ethernet1/26
  no shutdown

interface vfc527
  bind interface Ethernet1/27
  no shutdown

interface vfc528
  bind interface Ethernet1/28
  no shutdown

interface vfc529
  bind interface Ethernet1/29
  no shutdown

interface vfc530
  bind interface Ethernet1/30
  no shutdown

interface vfc531
  bind interface Ethernet1/31
  no shutdown

interface vfc532
  bind interface Ethernet1/32
  no shutdown

interface vfc505
  bind interface Ethernet1/5
  no shutdown

interface vfc506
  bind interface Ethernet1/6
  no shutdown

interface vfc507
  bind interface Ethernet1/7
  no shutdown

interface vfc508
  bind interface Ethernet1/8
  no shutdown
```

```
interface vfc509
  bind interface Ethernet1/9
  no shutdown

interface vfc510
  bind interface Ethernet1/10
  no shutdown

interface vfc511
  bind interface Ethernet1/11
  no shutdown

interface vfc512
  bind interface Ethernet1/12
  no shutdown
vsan database
  vsan 2 interface vfc513
  vsan 2 interface vfc514
  vsan 2 interface vfc515
  vsan 2 interface vfc516
  vsan 2 interface vfc517
  vsan 2 interface vfc518
  vsan 2 interface vfc519
  vsan 2 interface vfc520
  vsan 2 interface vfc521
  vsan 2 interface vfc522
  vsan 2 interface vfc523
  vsan 2 interface vfc524
  vsan 2 interface vfc525
  vsan 2 interface vfc526
  vsan 2 interface vfc527
  vsan 2 interface vfc528
  vsan 2 interface vfc529
  vsan 2 interface vfc530
  vsan 2 interface vfc531
  vsan 2 interface vfc532
  vsan 4094 interface vfc505
  vsan 4094 interface vfc506
  vsan 4094 interface vfc507
  vsan 4094 interface vfc508
  vsan 4094 interface vfc509
  vsan 4094 interface vfc510
  vsan 2 interface vfc511
  vsan 2 interface vfc512
  vsan 2 interface fc2/1
  vsan 2 interface fc2/2
  vsan 2 interface fc2/3
  vsan 2 interface fc2/4
  vsan 2 interface fc3/1
  vsan 2 interface fc3/2
  vsan 2 interface fc3/3
  vsan 2 interface fc3/4


interface fc2/1
  switchport description Connection to MDS-DC-1
  no shutdown

interface fc2/2

interface fc2/3

interface fc2/4
```

```
interface fc3/1
  switchport description Connection to Promise 600 san
  no shutdown

interface fc3/2

interface fc3/3

interface fc3/4

interface Ethernet1/1
  description to DC-F-UCS-1 TG0/1
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/2
  description to DC-F-UCS-1 TG0/2
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/3
  description to DC-F-UCS-2 TG0/3
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/4
  description to DC-F-UCS-2 TG0/4
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/5
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/6
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/7
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/8
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/9
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/10
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/11
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/12
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/13
  switchport mode trunk
```

```
  spanning-tree port type edge trunk

interface Ethernet1/14
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/15
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/16
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/17
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/18
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/19
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/20
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/21
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/22
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/23
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/24
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/25
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/26
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/27
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/28
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/29
  switchport mode trunk
```

```
  spanning-tree port type edge trunk

interface Ethernet1/30
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/31
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/32
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/33
  description to RAGG-1-VDC2 TG1/9
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 3 mode active

interface Ethernet1/34
  description to RAGG-1-VDC2 TG1/10
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 3 mode active

interface Ethernet1/35
  description to RAGG-2-VDC2 TG1/11
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 3 mode active

interface Ethernet1/36
  description to RAGG-2-VDC2 TG1/12
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 3 mode active

interface Ethernet1/37
  shutdown

interface Ethernet1/38
  shutdown

interface Ethernet1/39
  description to SACCESS-4
  shutdown

interface Ethernet1/40
  description to SACCESS-4
  shutdown

interface Ethernet2/1

interface Ethernet2/2

interface Ethernet2/3

interface Ethernet2/4
```

```
interface Ethernet3/1

interface Ethernet3/2

interface Ethernet3/3

interface Ethernet3/4

interface mgmt0
  ip address 192.168.41.33/24
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
system default zone default-zone permit
system default zone distribute full
line console
  exec-timeout 15
line vty
  exec-timeout 15
  access-class 23 in
boot kickstart bootflash:/n5000-uk9-kickstart.5.0.3.N1.1b.bin
boot system bootflash:/n5000-uk9.5.0.3.N1.1b.bin
interface fc2/2
interface fc2/3
interface fc2/4
interface fc2/1
  switchport fcrxbbcredit 1
  switchport fcrxbbcredit 2 mode E
interface fc3/1
interface fc3/2
interface fc3/3
interface fc3/4
logging server 192.168.42.124 6
zone default-zone permit vsan 2
zoneset distribute full vsan 2
!Full Zone Database Section for vsan 2
zone name global_zone vsan 2
    member pwwn 26:00:00:01:55:35:7e:44
    member pwwn 26:02:00:01:55:35:7e:44
    member pwwn 10:00:00:00:c9:75:68:c3
    member pwwn 10:00:00:00:c9:77:92:e9
    member pwwn 10:00:00:00:c9:77:db:c3
    member pwwn 10:00:00:00:c9:77:dc:c3
    member pwwn 10:00:00:00:c9:77:dd:bc
    member pwwn 21:00:00:1b:32:00:33:0c
    member pwwn 21:00:00:1b:32:00:3a:0c
    member pwwn 21:00:00:1b:32:00:5d:0d
    member pwwn 21:00:00:1b:32:00:5e:0d
    member pwwn 21:00:00:1b:32:00:70:0d
    member pwwn 21:00:00:1b:32:00:ab:0d
    member pwwn 21:00:00:1b:32:80:0b:10
    member pwwn 21:00:00:1b:32:80:52:10
    member pwwn 21:00:00:1b:32:80:da:0f
    member pwwn 21:00:00:1b:32:80:f1:0f

zoneset name promise-2_zs vsan 2
    member global_zone

zoneset activate name promise-2_zs vsan 2
```

SACCESS-4

```
!Command: show running-config
!Time: Sat Apr 30 01:57:14 2011

version 5.0(3)N1(1b)
feature fcoe

feature privilege
no feature telnet
no telnet server enable
feature tacacs+
cfs eth distribute
feature lacp
feature vpc
feature lldp
feature fex

username admin password 5 <removed> role network-admin
username retail password 5 <removed> role network-admin
username emc-ncm password 5 <removed> role network-admin
username bart password 5 <removed> role network-admin
enable secret 5 <removed>

banner motd #
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                  **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
#

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host SACCESS-4 192.168.41.34
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf management
    source-interface mgmt0
switchname SACCESS-4
ip access-list 23
  statistics per-entry
  10 permit ip 127.0.0.1/32 192.168.41.34/32
  20 permit ip 192.168.41.101/32 192.168.41.34/32
  30 permit ip 192.168.41.102/32 192.168.41.34/32
  40 permit ip 192.168.42.111/32 192.168.41.34/32
  50 permit ip 192.168.42.122/32 192.168.41.34/32
  60 permit ip 192.168.42.131/32 192.168.41.34/32
  70 permit ip 192.168.42.133/32 192.168.41.34/32
  80 permit ip 192.168.42.138/32 192.168.41.34/32
```

```
  90 permit ip 10.19.151.99/32 192.168.41.34/32
  100 deny ip any any
ip access-list 88
  statistics per-entry
  10 permit ip 192.168.42.122/32 192.168.41.34/32
  20 deny ip any any
class-map type qos class-fcoe
class-map type queuing class-all-flood
  match qos-group 2
class-map type queuing class-ip-multicast
  match qos-group 2
class-map type network-qos class-all-flood
  match qos-group 2
class-map type network-qos class-ip-multicast
  match qos-group 2
snmp-server user bart network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server enable traps entity fru
no snmp-server enable traps entity entity_mib_change
no snmp-server enable traps entity entity_module_status_change
no snmp-server enable traps entity entity_power_status_change
no snmp-server enable traps entity entity_module_inserted
no snmp-server enable traps entity entity_module_removed
no snmp-server enable traps entity entity_unrecognised_module
no snmp-server enable traps entity entity_fan_status_change
no snmp-server enable traps rf redundancy_framework
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
  ip route 0.0.0.0/0 192.168.41.1
vlan 1
vlan 36
  name DeviceMgmtHigh
vlan 37
  name DeviceMgmtLow
vlan 38
  name HyTrust
vlan 40
  name Server_iLO
vlan 41
  name ESX_Server
vlan 42
  name CoreManagement
vlan 45,80-82,141-142
vlan 402
  fcoe vsan 2
vsan database
  vsan 2
fcdomain fcid database
  vsan 2 wwn 21:01:00:1b:32:20:5e:0d fcid 0xa20000 area dynamic
  vsan 2 wwn 21:01:00:1b:32:20:ab:0d fcid 0xa20100 area dynamic
  vsan 2 wwn 21:01:00:1b:32:20:70:0d fcid 0xa20200 area dynamic
  vsan 2 wwn 21:01:00:1b:32:20:33:0c fcid 0xa20300 area dynamic
  vsan 2 wwn 21:01:00:1b:32:20:5d:0d fcid 0xa20400 area dynamic
  vsan 2 wwn 21:01:00:1b:32:a0:0b:10 fcid 0xa20500 area dynamic
  vsan 2 wwn 21:01:00:1b:32:a0:52:10 fcid 0xa20600 area dynamic
  vsan 2 wwn 21:01:00:1b:32:a0:da:0f fcid 0xa20700 area dynamic
  vsan 2 wwn 21:01:00:1b:32:a0:f1:0f fcid 0xa20800 area dynamic
```

```
  vsan 2 wwn 21:01:00:1b:32:20:3a:0c fcid 0xa20900 area dynamic


interface port-channel4
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52

interface vfc513
  bind interface Ethernet1/13
  no shutdown

interface vfc514
  bind interface Ethernet1/14
  no shutdown

interface vfc515
  bind interface Ethernet1/15
  no shutdown

interface vfc516
  bind interface Ethernet1/16
  no shutdown

interface vfc517
  bind interface Ethernet1/17
  no shutdown

interface vfc518
  bind interface Ethernet1/18
  no shutdown

interface vfc519
  bind interface Ethernet1/19
  no shutdown

interface vfc520
  bind interface Ethernet1/20
  no shutdown

interface vfc521
  bind interface Ethernet1/21
  no shutdown

interface vfc522
  bind interface Ethernet1/22
  no shutdown

interface vfc523
  bind interface Ethernet1/23
  no shutdown

interface vfc524
  bind interface Ethernet1/24
  no shutdown

interface vfc525
  bind interface Ethernet1/25
  no shutdown

interface vfc526
  bind interface Ethernet1/26
  no shutdown

interface vfc527
```

```
  bind interface Ethernet1/27
  no shutdown

interface vfc528
  bind interface Ethernet1/28
  no shutdown

interface vfc529
  bind interface Ethernet1/29
  no shutdown

interface vfc530
  bind interface Ethernet1/30
  no shutdown

interface vfc531
  bind interface Ethernet1/31
  no shutdown

interface vfc532
  bind interface Ethernet1/32
  no shutdown

interface vfc505
  bind interface Ethernet1/5
  no shutdown

interface vfc506
  bind interface Ethernet1/6
  no shutdown

interface vfc507
  bind interface Ethernet1/7
  no shutdown

interface vfc508
  bind interface Ethernet1/8
  no shutdown

interface vfc509
  bind interface Ethernet1/9
  no shutdown

interface vfc510
  bind interface Ethernet1/10
  no shutdown

interface vfc511
  bind interface Ethernet1/11
  no shutdown

interface vfc512
  bind interface Ethernet1/12
  no shutdown
vsan database
  vsan 2 interface vfc513
  vsan 2 interface vfc514
  vsan 2 interface vfc515
  vsan 2 interface vfc516
  vsan 2 interface vfc517
  vsan 2 interface vfc518
  vsan 2 interface vfc519
  vsan 2 interface vfc520
  vsan 2 interface vfc521
```

```
  vsan 2 interface vfc522
  vsan 2 interface vfc523
  vsan 2 interface vfc524
  vsan 2 interface vfc525
  vsan 2 interface vfc526
  vsan 2 interface vfc527
  vsan 2 interface vfc528
  vsan 2 interface vfc529
  vsan 2 interface vfc530
  vsan 2 interface vfc531
  vsan 2 interface vfc532
  vsan 2 interface vfc505
  vsan 2 interface vfc506
  vsan 2 interface vfc507
  vsan 2 interface vfc508
  vsan 2 interface vfc509
  vsan 2 interface vfc510
  vsan 2 interface vfc511
  vsan 2 interface vfc512
  vsan 2 interface fc3/1


interface fc2/1
  switchport description Connection to MDS-DC-1
  no shutdown

interface fc2/2

interface fc2/3

interface fc2/4

interface fc3/1
  switchport description Connection to Promise 600 san
  no shutdown

interface fc3/2

interface fc3/3

interface fc3/4

interface Ethernet1/1
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/2
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/3
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/4
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/5
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/6
  switchport mode trunk
```

```
  spanning-tree port type edge trunk

interface Ethernet1/7
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/8
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/9
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/10
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/11
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/12
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/13
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/14
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/15
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/16
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/17
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/18
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/19
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/20
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/21
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/22
  switchport mode trunk
```

```
  spanning-tree port type edge trunk

interface Ethernet1/23
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/24
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/25
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/26
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/27
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/28
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/29
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/30
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/31
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/32
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/33
  description to RAGG-2-VDC2 TG1/9
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 4 mode active

interface Ethernet1/34
  description to RAGG-2-VDC2 TG1/10
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 4 mode active

interface Ethernet1/35
  description to RAGG-1-VDC2 TG1/11
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 4 mode active

interface Ethernet1/36
```

```
  description to RAGG-1-VDC2 TG1/12
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 4 mode active

interface Ethernet1/37
  shutdown

interface Ethernet1/38
  shutdown

interface Ethernet1/39
  description link to SACCESS-3
  shutdown

interface Ethernet1/40
  description link to SACCESS-3
  shutdown

interface Ethernet2/1

interface Ethernet2/2

interface Ethernet2/3

interface Ethernet2/4

interface Ethernet3/1

interface Ethernet3/2

interface Ethernet3/3

interface Ethernet3/4

interface mgmt0
  ip address 192.168.41.34/24
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
line console
  exec-timeout 15
line vty
  exec-timeout 15
  access-class 23 in
boot kickstart bootflash:/n5000-uk9-kickstart.5.0.3.N1.1b.bin
boot system bootflash:/n5000-uk9.5.0.3.N1.1b.bin
interface fc2/1
interface fc2/2
interface fc2/3
interface fc2/4
interface fc3/1
interface fc3/2
interface fc3/3
interface fc3/4
logging server 192.168.42.124 6
zone default-zone permit vsan 2
!Full Zone Database Section for vsan 2
zone name global_zone vsan 2
zoneset name promise-2_zs vsan 2
    member global_zone
```

saccess-5

```
!
! Last configuration change at 02:02:07 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:02:10 PST Sat Apr 30 2011 by retail
!
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 year
service password-encryption
service sequence-numbers
!
hostname SACCESS-5
!
boot-start-marker
boot-end-marker
!
logging buffered 51200
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PST recurring
switch 1 provision ws-c3750e-48td
system mtu routing 1500
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 65535
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-2654502656
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-2654502656
```

```
 revocation-check none
 rsakeypair TP-self-signed-2654502656
!
!
crypto pki certificate chain TP-self-signed-2654502656
 certificate self-signed 01
  <removed>   quit
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
vlan dot1q tag native
!
ip ssh version 2
ip scp server enable
!
!
!
interface FastEthernet0
 no ip address
 shutdown
!
interface GigabitEthernet1/0/1
 description SRV-DC-22 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/0/2
 description SRV-DC-23 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/0/3
 description SRV-DC-24 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/0/4
 description SRV-DC-25 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/0/5
 description SRV-DC-26 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/0/6
 description SRV-DC-27 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/0/7
 description SRV-DC-28 iLO
 switchport access vlan 40
 spanning-tree portfast
```

```
!
interface GigabitEthernet1/0/8
 description SRV-DC-29 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/0/9
 description SRV-DC-30 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/0/10
 description SRV-DC-31 iLO
 switchport access vlan 40
 spanning-tree portfast
!
interface GigabitEthernet1/0/11
 description DC-UCSFabric-1-A Mgmt0
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/12
 description DC-UCSFabric-1-B Mgmt0
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/13
 description DC-ASA-1 Mgmt0
 switchport access vlan 42
 spanning-tree portfast
!
interface GigabitEthernet1/0/14
 description DC-ASA-2 Mgmt0
 switchport access vlan 42
 spanning-tree portfast
!
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
 description SRV-DC-22 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/23
 description SRV-DC-23 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/24
 description SRV-DC-24 ESXi
 switchport access vlan 41
 spanning-tree portfast
```

```
!
interface GigabitEthernet1/0/25
 description SRV-DC-25 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/26
 description SRV-DC-26 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/27
 description SRV-DC-27 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/28
 description SRV-DC-28 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/29
 description SRV-DC-29 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/30
 description SRV-DC-30 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/31
 description SRV-DC-31 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/32
 description SRV-DC-32 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/33
 description SRV-DC-33 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/34
 description SRV-DC-34 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/35
 description SRV-DC-35 ESXi
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/36
!
interface GigabitEthernet1/0/37
 description SACCESS-3 Mgmt
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/38
```

```
 description SACCESS-4 Mgmt
 switchport access vlan 41
 spanning-tree portfast
!
interface GigabitEthernet1/0/39
 description RCORE-1 Mgmt-a
 switchport access vlan 42
 spanning-tree portfast
!
interface GigabitEthernet1/0/40
 description RCORE-1 Mgmt-b
 switchport access vlan 42
 spanning-tree portfast
!
interface GigabitEthernet1/0/41
 description RCORE-2 Mgmt-a
 switchport access vlan 42
 spanning-tree portfast
!
interface GigabitEthernet1/0/42
 description RCORE-2 Mgmt-b
 switchport access vlan 42
 spanning-tree portfast
!
interface GigabitEthernet1/0/43
!
interface GigabitEthernet1/0/44
!
interface GigabitEthernet1/0/45
!
interface GigabitEthernet1/0/46
!
interface GigabitEthernet1/0/47
 description Uplink to RAGG-2-vdc2 T2/13
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet1/0/48
 description Uplink to RAGG-1-vdc2 T2/13
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet1/0/49
!
interface GigabitEthernet1/0/50
!
interface GigabitEthernet1/0/51
!
interface GigabitEthernet1/0/52
!
interface TenGigabitEthernet1/0/1
!
interface TenGigabitEthernet1/0/2
!
interface Vlan1
 no ip address
 shutdown
!
interface Vlan41
 ip address 192.168.41.222 255.255.255.0
!
interface Vlan42
 ip address 192.168.42.30 255.255.255.0
!
```

```
interface Vlan1000
 no ip address
!
ip default-gateway 192.168.42.1
ip classless
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan42
!
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan42
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFF0F
snmp-server trap-source Vlan42
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps power-ethernet group 1-4
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
```

```
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131 timeout 5
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec
WARNING:
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REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
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CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
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banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 36029147
ntp source Vlan42
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
```

```
end
```

swan-1

```
!
! Last configuration change at 01:33:45 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:33:48 PST Sat Apr 30 2011 by retail
!
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 year
service password-encryption
service sequence-numbers
!
hostname SWAN-1
!
boot-start-marker
boot-end-marker
!
logging buffered 51200
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PST recurring
switch 1 provision ws-c3750-48p
switch 2 provision ws-c3750-48p
system mtu routing 1500
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
```

```
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-722491520
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-722491520
 revocation-check none
 rsakeypair TP-self-signed-722491520
!
!
crypto pki certificate chain TP-self-signed-722491520
 certificate self-signed 01
  <removed>   quit
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet1/0/1
!
interface FastEthernet1/0/2
!
interface FastEthernet1/0/3
!
interface FastEthernet1/0/4
!
interface FastEthernet1/0/5
!
interface FastEthernet1/0/6
!
interface FastEthernet1/0/7
!
interface FastEthernet1/0/8
!
interface FastEthernet1/0/9
!
interface FastEthernet1/0/10
!
interface FastEthernet1/0/11
!
interface FastEthernet1/0/12
!
interface FastEthernet1/0/13
!
interface FastEthernet1/0/14
!
interface FastEthernet1/0/15
!
interface FastEthernet1/0/16
!
interface FastEthernet1/0/17
!
```

```
interface FastEthernet1/0/18
!
interface FastEthernet1/0/19
!
interface FastEthernet1/0/20
!
interface FastEthernet1/0/21
!
interface FastEthernet1/0/22
!
interface FastEthernet1/0/23
!
interface FastEthernet1/0/24
!
interface FastEthernet1/0/25
!
interface FastEthernet1/0/26
!
interface FastEthernet1/0/27
!
interface FastEthernet1/0/28
!
interface FastEthernet1/0/29
!
interface FastEthernet1/0/30
!
interface FastEthernet1/0/31
!
interface FastEthernet1/0/32
!
interface FastEthernet1/0/33
!
interface FastEthernet1/0/34
!
interface FastEthernet1/0/35
!
interface FastEthernet1/0/36
!
interface FastEthernet1/0/37
!
interface FastEthernet1/0/38
!
interface FastEthernet1/0/39
!
interface FastEthernet1/0/40
!
interface FastEthernet1/0/41
!
interface FastEthernet1/0/42
!
interface FastEthernet1/0/43
!
interface FastEthernet1/0/44
!
interface FastEthernet1/0/45
!
interface FastEthernet1/0/46
!
interface FastEthernet1/0/47
!
interface FastEthernet1/0/48
 description SNiffer Uplink to Server10_fe2
!
interface GigabitEthernet1/0/1
```

```
!
interface GigabitEthernet1/0/2
!
interface GigabitEthernet1/0/3
!
interface GigabitEthernet1/0/4
!
interface FastEthernet2/0/1
!
interface FastEthernet2/0/2
!
interface FastEthernet2/0/3
!
interface FastEthernet2/0/4
!
interface FastEthernet2/0/5
!
interface FastEthernet2/0/6
!
interface FastEthernet2/0/7
!
interface FastEthernet2/0/8
!
interface FastEthernet2/0/9
!
interface FastEthernet2/0/10
!
interface FastEthernet2/0/11
!
interface FastEthernet2/0/12
!
interface FastEthernet2/0/13
!
interface FastEthernet2/0/14
!
interface FastEthernet2/0/15
!
interface FastEthernet2/0/16
!
interface FastEthernet2/0/17
!
interface FastEthernet2/0/18
!
interface FastEthernet2/0/19
!
interface FastEthernet2/0/20
!
interface FastEthernet2/0/21
!
interface FastEthernet2/0/22
!
interface FastEthernet2/0/23
!
interface FastEthernet2/0/24
!
interface FastEthernet2/0/25
!
interface FastEthernet2/0/26
!
interface FastEthernet2/0/27
!
interface FastEthernet2/0/28
!
interface FastEthernet2/0/29
```

```
!
interface FastEthernet2/0/30
!
interface FastEthernet2/0/31
!
interface FastEthernet2/0/32
!
interface FastEthernet2/0/33
!
interface FastEthernet2/0/34
!
interface FastEthernet2/0/35
!
interface FastEthernet2/0/36
!
interface FastEthernet2/0/37
!
interface FastEthernet2/0/38
!
interface FastEthernet2/0/39
!
interface FastEthernet2/0/40
!
interface FastEthernet2/0/41
!
interface FastEthernet2/0/42
!
interface FastEthernet2/0/43
!
interface FastEthernet2/0/44
!
interface FastEthernet2/0/45
!
interface FastEthernet2/0/46
!
interface FastEthernet2/0/47
!
interface FastEthernet2/0/48
!
interface GigabitEthernet2/0/1
!
interface GigabitEthernet2/0/2
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
!
interface Vlan1
 ip address 192.168.11.14 255.255.255.0
!
ip default-gateway 192.168.11.10
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
!
ip sla enable reaction-alerts
logging trap debugging
logging 192.168.42.124
```

```
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps power-ethernet group 1-4
snmp-server enable traps power-ethernet police
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps energywise
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps rtr
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec
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banner incoming
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
```

```
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banner login
WARNING:
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!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
!
monitor session 1 source interface Fa1/0/1
monitor session 1 destination interface Fa1/0/48
ntp clock-period 36029297
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

swan-3

```
!
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 year
service password-encryption
service sequence-numbers
!
hostname SWAN-3
```

```
!
boot-start-marker
boot-end-marker
!
enable secret 5 <removed>!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PST recurring
switch 1 provision ws-c3750-48p
switch 2 provision ws-c3750-48p
system mtu routing 1500
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-1834566784
 enrollment selfsigned
 subject-name cn=IOS-Self-Signed-Certificate-1834566784
 revocation-check none
 rsakeypair TP-self-signed-1834566784
!
!
crypto pki certificate chain TP-self-signed-1834566784
 certificate self-signed 01
  <removed>   quit
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
```

```
!
ip ssh version 2
ip scp server enable
!
!
interface Loopback0
 no ip address
!
interface FastEthernet1/0/1
!
interface FastEthernet1/0/2
!
interface FastEthernet1/0/3
!
interface FastEthernet1/0/4
!
interface FastEthernet1/0/5
!
interface FastEthernet1/0/6
!
interface FastEthernet1/0/7
!
interface FastEthernet1/0/8
!
interface FastEthernet1/0/9
!
interface FastEthernet1/0/10
!
interface FastEthernet1/0/11
 description Link to ASA-WAN-1_1 SSM Port
!
interface FastEthernet1/0/12
!
interface FastEthernet1/0/13
!
interface FastEthernet1/0/14
!
interface FastEthernet1/0/15
!
interface FastEthernet1/0/16
!
interface FastEthernet1/0/17
!
interface FastEthernet1/0/18
!
interface FastEthernet1/0/19
!
interface FastEthernet1/0/20
!
interface FastEthernet1/0/21
!
interface FastEthernet1/0/22
!
interface FastEthernet1/0/23
!
interface FastEthernet1/0/24
!
interface FastEthernet1/0/25
!
interface FastEthernet1/0/26
!
interface FastEthernet1/0/27
!
interface FastEthernet1/0/28
```

```
!
interface FastEthernet1/0/29
!
interface FastEthernet1/0/30
!
interface FastEthernet1/0/31
!
interface FastEthernet1/0/32
!
interface FastEthernet1/0/33
!
interface FastEthernet1/0/34
!
interface FastEthernet1/0/35
!
interface FastEthernet1/0/36
!
interface FastEthernet1/0/37
!
interface FastEthernet1/0/38
!
interface FastEthernet1/0/39
!
interface FastEthernet1/0/40
!
interface FastEthernet1/0/41
!
interface FastEthernet1/0/42
!
interface FastEthernet1/0/43
!
interface FastEthernet1/0/44
!
interface FastEthernet1/0/45
!
interface FastEthernet1/0/46
!
interface FastEthernet1/0/47
!
interface FastEthernet1/0/48
!
interface GigabitEthernet1/0/1
 description link to RCORE-1 port G1/1
!
interface GigabitEthernet1/0/2
 description link to ASA-WAN-1_1 Port G0/1
!
interface GigabitEthernet1/0/3
!
interface GigabitEthernet1/0/4
!
interface FastEthernet2/0/1
!
interface FastEthernet2/0/2
!
interface FastEthernet2/0/3
!
interface FastEthernet2/0/4
!
interface FastEthernet2/0/5
!
interface FastEthernet2/0/6
!
interface FastEthernet2/0/7
```

```
!
interface FastEthernet2/0/8
!
interface FastEthernet2/0/9
!
interface FastEthernet2/0/10
!
interface FastEthernet2/0/11
 description Link to ASA-WAN-1_2 SSM Port
!
interface FastEthernet2/0/12
!
interface FastEthernet2/0/13
!
interface FastEthernet2/0/14
!
interface FastEthernet2/0/15
!
interface FastEthernet2/0/16
!
interface FastEthernet2/0/17
!
interface FastEthernet2/0/18
!
interface FastEthernet2/0/19
!
interface FastEthernet2/0/20
!
interface FastEthernet2/0/21
!
interface FastEthernet2/0/22
!
interface FastEthernet2/0/23
!
interface FastEthernet2/0/24
!
interface FastEthernet2/0/25
!
interface FastEthernet2/0/26
!
interface FastEthernet2/0/27
!
interface FastEthernet2/0/28
!
interface FastEthernet2/0/29
!
interface FastEthernet2/0/30
!
interface FastEthernet2/0/31
!
interface FastEthernet2/0/32
!
interface FastEthernet2/0/33
!
interface FastEthernet2/0/34
!
interface FastEthernet2/0/35
!
interface FastEthernet2/0/36
!
interface FastEthernet2/0/37
!
interface FastEthernet2/0/38
!
```

```
interface FastEthernet2/0/39
!
interface FastEthernet2/0/40
!
interface FastEthernet2/0/41
!
interface FastEthernet2/0/42
!
interface FastEthernet2/0/43
!
interface FastEthernet2/0/44
!
interface FastEthernet2/0/45
!
interface FastEthernet2/0/46
!
interface FastEthernet2/0/47
!
interface FastEthernet2/0/48
!
interface GigabitEthernet2/0/1
 description link to RCORE-2 port G1/1
!
interface GigabitEthernet2/0/2
 description link to ASA-WAN-1_2 Port G0/1
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
!
interface Vlan1
 ip address 192.168.11.13 255.255.255.0
!
interface Vlan40
 no ip address
!
ip default-gateway 192.168.11.10
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
!
ip sla enable reaction-alerts
logging trap debugging
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny   any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny   any log
snmp-server engineID remote 192.168.42.124 0000000000
```

```
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access  88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFF0F
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps power-ethernet group 1-4
snmp-server enable traps power-ethernet police
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps energywise
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps rtr
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131 timeout 5
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
                    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming
WARNING:
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
```

```
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
end
```

VSG-Tenant-1-running

```
!Command: show running-config
!Time: Sat Apr 30 03:09:08 2011

version 4.2(1)VSG1(1)
no feature telnet
feature tacacs+

username admin password 5 <removed> role network-admin

banner motd #
WARNING:
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
#

ssh key rsa 2048
ip domain-lookup
ip domain-lookup
tacacs-server key 7 " <removed> "
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
```

```
    use-vrf management
    source-interface mgmt0
aaa group server tacacs+ tacacs
hostname VSG-Tenant-1
no snmp-server protocol enable
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
ntp source 192.168.41.63
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS

vrf context management
  ip domain-name cisco-irn.com
  ip name-server 192.168.42.130
  ip route 0.0.0.0/0 192.168.41.1
vlan 1
port-channel load-balance ethernet source-mac
port-profile default max-ports 32

vdc VSG-Tenant-1 id 1
  limit-resource vlan minimum 16 maximum 2049
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource vrf minimum 16 maximum 8192
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 32 maximum 32
  limit-resource u6route-mem minimum 16 maximum 16
  limit-resource m4route-mem minimum 58 maximum 58
  limit-resource m6route-mem minimum 8 maximum 8

interface mgmt0
  ip address 192.168.41.63/24

interface data0
  ip address 192.168.52.11/24
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
line vty
  exec-timeout 15
line console
  exec-timeout 15
boot kickstart bootflash:/nexus-1000v-kickstart-mz.VSG1.1.bin sup-1
boot system bootflash:/nexus-1000v-mz.VSG1.1.bin sup-1
boot kickstart bootflash:/nexus-1000v-kickstart-mz.VSG1.1.bin sup-2
boot system bootflash:/nexus-1000v-mz.VSG1.1.bin sup-2
ip access-list match-local-traffic
  ha-pair id 41

security-profile SecurityProfile-1@root/Tenant-1
  policy PolicySet-A@root/Tenant-1
  custom-attribute vnsporg "root/tenant-1"

security-profile default@root
  policy default@root
  custom-attribute vnsporg "root"
rule default/default-rule@root
  action 10 drop
rule PolicyA/allow_ICMP@root/Tenant-1
  condition 10 dst.net.ip-address eq 192.168.1.1
  condition 11 net.protocol eq 1
  action 10 log
  action 11 permit
policy default@root
  rule default/default-rule@root order 2
policy PolicySet-A@root/Tenant-1
  rule PolicyA/allow_ICMP@root/Tenant-1 order 101
```

```
vnm-policy-agent
  registration-ip 192.168.41.65
  shared-secret **********
  policy-agent-image bootflash:/vnmc-vsgpa.1.0.1j.bin
  log-level
logging logfile messages 2
logging server 192.168.42.124 6 facility local0
logging monitor 2
```