Group-32

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Capstone Project DCOM 4100

HO-Toronto

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# Configuration HO-Toronto

**Ho-Toronto#**

**Ho-Toronto#show run**

**Building configuration...**

**Current configuration : 5519 bytes**

**!**

**! Last configuration change at 10:18:53 UTC Wed Apr 10 2024**

**!**

**version 17.6**

**service timestamps debug datetime msec**

**service timestamps log datetime msec**

**service password-encryption**

**platform qfp utilization monitor load 80**

**platform punt-keepalive disable-kernel-core**

**platform hardware throughput crypto 15M**

**!**

**hostname Ho-Toronto**

**!**

**boot-start-marker**

**boot-end-marker**

**!**

**!**

**enable password 7 104D000A0618**

**!**

**no aaa new-model**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**no ip domain lookup**

**ip domain name Ethoca.com**

**!**

**!**

**!**

**login on-success log**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**subscriber templating**

**!**

**!**

**!**

**!**

**!**

**!**

**multilink bundle-name authenticated**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**license udi pid C8200L-1N-4T sn FJC27291GLL**

**license boot level network-advantage addon dna-advantage**

**memory free low-watermark processor 67482**

**!**

**diagnostic bootup level minimal**

**!**

**spanning-tree extend system-id**

**!**

**username ISP-1 password 7 05080F1C2243**

**username admin password 7 045802150C2E**

**!**

**redundancy**

**mode none**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**track 1 ip sla 1 reachability**

**delay down 10 up 1**

**!**

**track 2 ip sla 2 reachability**

**delay down 10 up 1**

**!**

**!**

**class-map match-all SSH**

**match protocol ssh**

**!**

**policy-map policy\_SSH**

**class SSH**

**set precedence 6**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**interface Loopback1**

**description Customer Support**

**ip address 100.3.32.10 255.255.254.0**

**ip access-group Customer\_Support-to-Legal in**

**!**

**interface Loopback2**

**description Data Centre**

**ip address 100.3.34.10 255.255.255.0**

**!**

**interface Loopback3**

**description Sales and Marketing**

**ip address 172.16.32.10 255.255.254.0**

**ip nat inside**

**!**

**interface Loopback4**

**description IT**

**ip address 172.16.34.10 255.255.254.0**

**ip nat inside**

**!**

**interface Loopback5**

**description Human Resources**

**ip address 172.16.36.10 255.255.255.0**

**ip nat inside**

**ip access-group HR-to-R&D in**

**ip access-group Only-System\_Admin-to-HR out**

**!**

**interface Loopback6**

**description To Advertise Public address group**

**ip address 209.32.1.233 255.255.255.248**

**!**

**interface Multilink1**

**ip address 201.32.1.2 255.255.255.248**

**ip nat outside**

**ip access-group Web-Response in**

**ip access-group Web-Request out**

**ppp authentication chap**

**ppp multilink**

**ppp multilink group 1**

**service-policy output policy\_SSH**

**!**

**interface Tunnel0**

**ip address 10.1.2.33 255.255.255.252**

**ip ospf mtu-ignore**

**tunnel source Multilink1**

**tunnel destination 201.32.2.2**

**!**

**interface Tunnel10**

**no ip address**

**!**

**interface GigabitEthernet0/0/0**

**ip address 202.32.1.2 255.255.255.252**

**ip nat outside**

**ip access-group Web-Response in**

**ip access-group Web-Request out**

**negotiation auto**

**!**

**interface GigabitEthernet0/0/1**

**no ip address**

**negotiation auto**

**!**

**interface GigabitEthernet0/0/2**

**no ip address**

**negotiation auto**

**!**

**interface GigabitEthernet0/0/3**

**no ip address**

**negotiation auto**

**!**

**interface Serial0/1/0**

**no ip address**

**encapsulation ppp**

**clock rate 125000**

**ppp multilink**

**ppp multilink group 1**

**!**

**interface Serial0/1/1**

**no ip address**

**encapsulation ppp**

**ppp multilink**

**ppp multilink group 1**

**!**

**router ospf 1**

**network 10.1.2.32 0.0.0.3 area 0**

**network 100.3.32.0 0.0.1.255 area 0**

**network 100.3.34.0 0.0.0.255 area 0**

**network 172.16.32.0 0.0.3.255 area 0**

**network 172.16.36.0 0.0.0.255 area 0**

**!**

**router bgp 65032**

**bgp log-neighbor-changes**

**network 100.3.32.0 mask 255.255.254.0**

**network 100.3.34.0 mask 255.255.255.0**

**network 201.32.1.0 mask 255.255.255.248**

**network 202.32.1.0 mask 255.255.255.252**

**network 209.32.1.232 mask 255.255.255.248**

**neighbor 201.32.1.1 remote-as 60321**

**neighbor 202.32.1.1 remote-as 60322**

**!**

**no ip http server**

**ip http secure-server**

**ip forward-protocol nd**

**ip nat pool POOL1 209.32.1.232 209.32.1.239 netmask 255.255.255.248**

**ip nat inside source list 1 pool POOL1 overload**

**ip route 203.32.1.1 255.255.255.255 Multilink1 2 track 1**

**ip route 203.32.1.1 255.255.255.255 GigabitEthernet0/0/0 4 track 2**

**ip ssh version 2**

**!**

**!**

**ip access-list extended Customer\_Support-to-Legal**

**10 remark Customer support department should not have access to legal department restrictions**

**10 permit tcp host 100.3.32.5 host 172.16.38.222 eq ftp**

**20 deny ip 100.3.32.0 0.0.1.255 172.16.38.192 0.0.0.31**

**30 permit ip any any**

**ip access-list extended HR-to-R&D**

**10 remark All HR users should be denied access to the R&D segment except the HR supervisor**

**10 permit ip host 172.16.36.15 100.3.35.0 0.0.0.255**

**20 deny ip any 100.3.35.0 0.0.0.255**

**30 permit ip any any**

**ip access-list extended Only-System\_Admin-to-HR**

**10 remark Only System admins should be able to access Human Resources**

**10 permit ip 172.16.38.224 0.0.0.15 172.16.36.0 0.0.0.255**

**20 deny ip any 172.16.36.0 0.0.0.255**

**ip access-list extended Web-Request**

**10 remark Outbound ACL to allow WWW access to any**

**10 permit tcp any any eq www**

**20 permit tcp any any eq 443**

**30 permit ip any any**

**ip access-list extended Web-Response**

**10 permit tcp any any eq www established**

**20 permit tcp any any eq 443 established**

**30 deny tcp any any eq www**

**40 deny tcp any any eq 443**

**50 permit ip any any**

**!**

**ip sla 1**

**icmp-echo 203.32.1.1**

**frequency 10**

**ip sla schedule 1 life forever start-time now**

**ip sla 2**

**icmp-echo 203.32.1.1**

**frequency 20**

**ip sla schedule 2 life forever start-time now**

**ip access-list standard 1**

**10 permit 172.16.32.0 0.0.3.255**

**20 permit 172.16.36.0 0.0.0.255**

**!**

**!**

**!**

**!**

**control-plane**

**!**

**!**

**mgcp behavior rsip-range tgcp-only**

**mgcp behavior comedia-role none**

**mgcp behavior comedia-check-media-src disable**

**mgcp behavior comedia-sdp-force disable**

**!**

**mgcp profile default**

**!**

**!**

**!**

**!**

**!**

**banner login ^CUnauthorized access to this device is prohibited!^C**

**banner motd ^CUnauthorized access to this device is prohibited!^C**

**!**

**line con 0**

**logging synchronous**

**login local**

**transport output ssh**

**stopbits 1**

**line aux 0**

**exec-timeout 0 0**

**no exec**

**transport output none**

**line vty 0 4**

**login local**

**transport input ssh**

**transport output ssh**

**line vty 5 15**

**exec-timeout 5 0**

**login local**

**transport input ssh**

**transport output ssh**

**!**

**!**

**!**

**!**

**!**

**!**

**!**

**end**

**Ho-Toronto#**

**Ho-Toronto#**

**Ho-Toronto#**