**ABQ Area**

|  |  |  |  |
| --- | --- | --- | --- |
| sh flash |  |  |  |
| delete vlan.dat |  |  |  |
| erase startup-config |  |  |  |
| reload |  |  |  |
|  |  |  |  |
| hostname *(host)* |  |  |  |
| no ip domain-lookup |  |  |  |
| ip default-gateway 172.16.4.1 (2960’s) |  |  |  |
| ip route 0.0.0.0 0.0.0.0 172.16.4.1 (3560)  |  |  |  |
|  |  |  |  |
| line con 0 |  |  |  |
| logging synchronous *(logg syn)* |  |  |  |
| exec-timeout 0 0 *(exe 0 0)* |  |  |  |
|  |  |  |  |
| line vty 0 15 |  |  |  |
| logging synchronous *(logg syn)* |  |  |  |
| exec-timeout 0 0 *(exe 0 0)* |  |  |  |
| password cisco |  |  |  |
| login |  |  |  |
|  |  |  |  |
| int vlan 1 |  |  |  |
| ip add 172.16.4.x 255.255.255.0 |  |  |  |
| no shut |  |  |  |
|  |  |  |  |
| ===== 3560 ===== |  |  |  |
|  vlan 10;vlan 20;vlan 30 *(needed for STP)* |  |  |  |
|  int range f0/1,f0/2,f0/24 |  |  |  |
|  switchport trunk encap dot1q *(swi tr enc dot1q)* |  |  |  |
|  switchport mode trunk *(swi mo tr)* |  |  |  |
|  switchport trunk native vlan 1 *(sw tr nat vlan 1)* |  |  |  |
|  spanning-tree vlan 1,10,20,30 root primary |  |  |  |
|  end *(needed to save trunking!)* |  |  |  |
|  int range f0/3-22 |  |  |  |
|  shutdown |  |  |  |
|  |  |  |  |
| ===== 2960’s ===== |  |  |  |
|  int range f0/23-24 |  |  |  |
|  switchport mode trunk *(swi mo tr)* |  |  |  |
|  switchport trunk native vlan 1 *(sw tr nat vlan 1)* |  |  |  |
|  end *(needed to save trunking!)* |  |  |  |
|  |  |  |  |
|  int range f0/1-3 |  |  |  |
|  switchport mode access *(swi mo acc)* |  |  |  |
|  spanning-tree portfast |  |  |  |
|  |  |  |  |
|  int f0/1 |  |  |  |
|  switchport access vlan 10 *(swi acc vlan xx)* |  |  |  |
|  |  |  |  |

**ABQ Area**

|  |  |  |  |
| --- | --- | --- | --- |
|  int f0/2 |  |  |  |
|  switchport access vlan 20 *(swi acc vlan xx)* |  |  |  |
|  |  |  |  |
|  int f0/3 |  |  |  |
|  switchport access vlan 30 *(swi acc vlan xx)* |  |  |  |
|  |  |  |  |
| Connect the 2 distro switches now. Wait about 30 sec or until stable. Should be 1 port blocked. Check with ping. Fix any errors |  |  |  |
|  |  |  |  |
| ================= Port Security =================== |  |  |  |
| int range f0/1-3 (2960’s) |  |  |  |
| switchport mode access ” |  |  |  |
| switchport port-security ” |  |  |  |
| switchport port-security mac-address sticky ” |  |  |  |
| switchport port-security max 1 ” |  |  |  |
| switchport port-security violation shutdown ” |  |  |  |
| int range f0/4-22 ” |  |  |  |
| shutdown ” |  |  |  |
| TEST: Swap 2 PCs and test w/ ping. Should fail. Swap the PCs back, do shut/no shut on the two ports, then retest. Should pass. |  |  |  |
|  |  |  |  |
|  |  |  |  |
| ======================= SSH ======================= |  |  |  |
| enable secret cisco |  |  |  |
| ip domain-name cisco.com |  |  |  |
| crypto key generate rsa (512) |  |  |  |
| username cisco secret cisco |  |  |  |
| line vty 0 15 |  |  |  |
|  no transport input all |  |  |  |
|  transport input ssh |  |  |  |
|  login local |  |  |  |
|  |  |  |  |
| =============== ACLs for Mgmt Access ============== |  |  |  |
| access-list 10 permit host 172.16.4.5 |  |  |  |
| line vty 0 15 |  |  |  |
| access-class 10 in |  |  |  |
| end |  |  |  |
| wr mem |  |  |  |

**LA Area**

|  |  |  |  |
| --- | --- | --- | --- |
| sh flash |  |  |  |
| delete vlan.dat |  |  |  |
| erase startup-config |  |  |  |
| reload |  |  |  |
|  |  |  |  |
| hostname *(host)* |  |  |  |
| no ip domain-lookup |  |  |  |
| ip default-gateway 172.16.8.1 (2960’s) |  |  |  |
| ip route 0.0.0.0 0.0.0.0 172.16.8.1 (3560)  |  |  |  |
|  |  |  |  |
| line con 0 |  |  |  |
| logging synchronous *(logg syn)* |  |  |  |
| exec-timeout 0 0 *(exe 0 0)* |  |  |  |
|  |  |  |  |
| line vty 0 15 |  |  |  |
| logging synchronous *(logg syn)* |  |  |  |
| exec-timeout 0 0 *(exe 0 0)* |  |  |  |
| password cisco |  |  |  |
| login |  |  |  |
|  |  |  |  |
| int vlan 1 |  |  |  |
| ip add 172.16.8.x 255.255.255.0 |  |  |  |
| no shut |  |  |  |
|  |  |  |  |
| ===== 3560 ===== |  |  |  |
|  vlan 10;vlan 20;vlan 30 *(needed for STP)* |  |  |  |
|  int range f0/1,f0/2,f0/24 |  |  |  |
|  switchport trunk encap dot1q *(swi tr enc dot1q)* |  |  |  |
|  switchport mode trunk *(swi mo tr)* |  |  |  |
|  switchport trunk native vlan 1 *(sw tr nat vlan 1)* |  |  |  |
|  spanning-tree vlan 1,10,20,30 root primary |  |  |  |
|  end *(needed to save trunking!)* |  |  |  |
|  int range f0/3-22 |  |  |  |
|  shutdown |  |  |  |
|  |  |  |  |
| ===== 2960’s ===== |  |  |  |
|  int range f0/23-24 |  |  |  |
|  switchport mode trunk *(swi mo tr)* |  |  |  |
|  switchport trunk native vlan 1 *(sw tr nat vlan 1)* |  |  |  |
|  end *(needed to save trunking!)* |  |  |  |
|  |  |  |  |
|  int range f0/1-3 |  |  |  |
|  switchport mode access *(swi mo acc)* |  |  |  |
|  spanning-tree portfast |  |  |  |
|  |  |  |  |
|  int f0/1 |  |  |  |
|  switchport access vlan 10 *(swi acc vlan xx)* |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  int f0/2 |  |  |  |
|  switchport access vlan 20 *(swi acc vlan xx)* |  |  |  |
|  |  |  |  |
|  int f0/3 |  |  |  |
|  switchport access vlan 30 *(swi acc vlan xx)* |  |  |  |
|  |  |  |  |
| Connect the 2 distro switches now. Wait about 30 sec or until stable. Should be 1 port blocked. Check with ping. Fix any errors |  |  |  |
|  |  |  |  |
| ================= Port Security =================== |  |  |  |
| int range f0/1-3 (2960’s) |  |  |  |
| switchport mode access ” |  |  |  |
| switchport port-security ” |  |  |  |
| switchport port-security mac-address sticky ” |  |  |  |
| switchport port-security max 1 ” |  |  |  |
| switchport port-security violation shutdown ” |  |  |  |
| int range f0/4-22 ” |  |  |  |
| shutdown ” |  |  |  |
| TEST: Swap 2 PCs and test w/ ping. Should fail. Swap the PCs back, do shut/no shut on the two ports, then retest. Should pass. |  |  |  |
|  |  |  |  |
|  |  |  |  |
| ======================= SSH ======================= |  |  |  |
| enable secret cisco |  |  |  |
| ip domain-name cisco.com |  |  |  |
| crypto key generate rsa (512) |  |  |  |
| username cisco secret cisco |  |  |  |
| line vty 0 15 |  |  |  |
|  no transport input all |  |  |  |
|  transport input ssh |  |  |  |
|  login local |  |  |  |
|  |  |  |  |
| =============== ACLs for Mgmt Access ============== |  |  |  |
| access-list 10 permit host 172.16.4.5 |  |  |  |
| line vty 0 15 |  |  |  |
| access-class 10 in |  |  |  |
| end |  |  |  |
| wr mem |  |  |  |

**SEA Area**

|  |  |  |  |
| --- | --- | --- | --- |
| sh flash |  |  |  |
| delete vlan.dat |  |  |  |
| erase startup-config |  |  |  |
| reload |  |  |  |
|  |  |  |  |
| hostname *(host)* |  |  |  |
| no ip domain-lookup |  |  |  |
| ip default-gateway 172.16.4.1 (2960’s) |  |  |  |
| ip route 0.0.0.0 0.0.0.0 172.16.4.1 (3560)  |  |  |  |
|  |  |  |  |
| line con 0 |  |  |  |
| logging synchronous *(logg syn)* |  |  |  |
| exec-timeout 0 0 *(exe 0 0)* |  |  |  |
|  |  |  |  |
| line vty 0 15 |  |  |  |
| logging synchronous *(logg syn)* |  |  |  |
| exec-timeout 0 0 *(exe 0 0)* |  |  |  |
| password cisco |  |  |  |
| login |  |  |  |
|  |  |  |  |
| int vlan 1 |  |  |  |
| ip add 172.16.4.x 255.255.255.0 |  |  |  |
| no shut |  |  |  |
|  |  |  |  |
| ===== 3560 ===== |  |  |  |
|  vlan 10;vlan 20;vlan 30 *(needed for STP)* |  |  |  |
|  int range f0/1,f0/2,f0/24 |  |  |  |
|  switchport trunk encap dot1q *(swi tr enc dot1q)* |  |  |  |
|  switchport mode trunk *(swi mo tr)* |  |  |  |
|  switchport trunk native vlan 1 *(sw tr nat vlan 1)* |  |  |  |
|  spanning-tree vlan 1,10,20,30 root primary |  |  |  |
|  end *(needed to save trunking!)* |  |  |  |
|  int range f0/3-22 |  |  |  |
|  shutdown |  |  |  |
|  |  |  |  |
| ===== 2960’s ===== |  |  |  |
|  int range f0/23-24 |  |  |  |
|  switchport mode trunk *(swi mo tr)* |  |  |  |
|  switchport trunk native vlan 1 *(sw tr nat vlan 1)* |  |  |  |
|  end *(needed to save trunking!)* |  |  |  |
|  |  |  |  |
|  int range f0/1-3 |  |  |  |
|  switchport mode access *(swi mo acc)* |  |  |  |
|  spanning-tree portfast |  |  |  |
|  |  |  |  |
|  int f0/1 |  |  |  |
|  switchport access vlan 10 *(swi acc vlan xx)* |  |  |  |
|  |  |  |  |

**SEA Area**

|  |  |  |  |
| --- | --- | --- | --- |
|  int f0/2 |  |  |  |
|  switchport access vlan 20 *(swi acc vlan xx)* |  |  |  |
|  |  |  |  |
|  int f0/3 |  |  |  |
|  switchport access vlan 30 *(swi acc vlan xx)* |  |  |  |
|  |  |  |  |
| Connect the 2 distro switches now. Wait about 30 sec or until stable. Should be 1 port blocked. Check with ping. Fix any errors |  |  |  |
|  |  |  |  |
| ================= Port Security =================== |  |  |  |
| int range f0/1-3 (2960’s) |  |  |  |
| switchport mode access ” |  |  |  |
| switchport port-security ” |  |  |  |
| switchport port-security mac-address sticky ” |  |  |  |
| switchport port-security max 1 ” |  |  |  |
| switchport port-security violation shutdown ” |  |  |  |
| int range f0/4-22 ” |  |  |  |
| shutdown ” |  |  |  |
| TEST: Swap 2 PCs and test w/ ping. Should fail. Swap the PCs back, do shut/no shut on the two ports, then retest. Should pass. |  |  |  |
|  |  |  |  |
|  |  |  |  |
| ======================= SSH ======================= |  |  |  |
| enable secret cisco |  |  |  |
| ip domain-name cisco.com |  |  |  |
| crypto key generate rsa (512) |  |  |  |
| username cisco secret cisco |  |  |  |
| line vty 0 15 |  |  |  |
|  no transport input all |  |  |  |
|  transport input ssh |  |  |  |
|  login local |  |  |  |
|  |  |  |  |
| =============== ACLs for Mgmt Access ============== |  |  |  |
| access-list 10 permit host 172.16.4.5 |  |  |  |
| line vty 0 15 |  |  |  |
| access-class 10 in |  |  |  |
| end |  |  |  |
| wr mem |  |  |  |