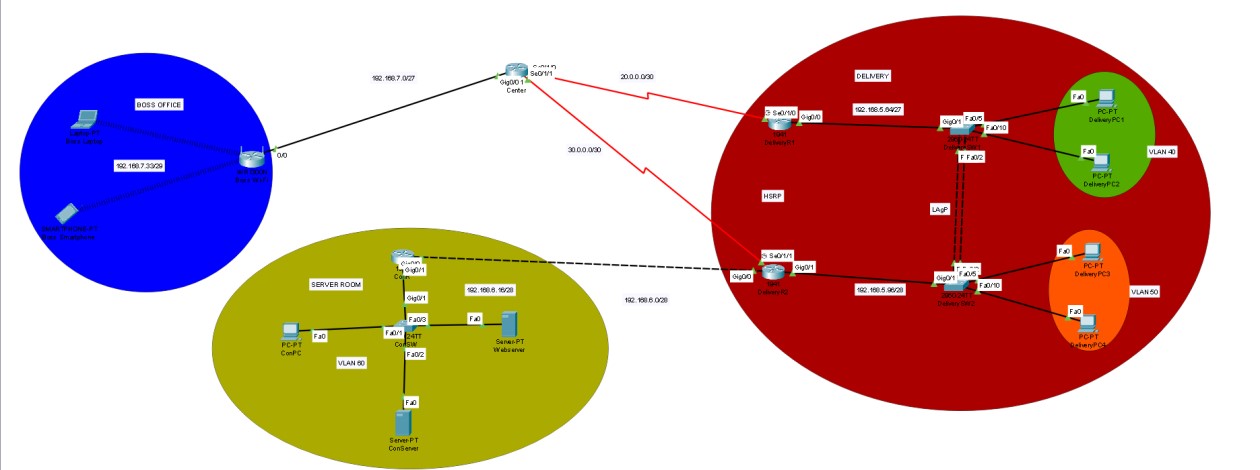
Projekt Munka tesztfázis

Topológia



Weboldalunk:

https://lajkak2006.github.io/Taco-s-Kft./tacos.html

IP tábla

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Eszköz | Interface | IP | IPv6 | Subnet | Gateway |
| Center | Gig/0/0  Se0/1/0  Se0/1/1 | 192.168.7.1  20.0.0.1  30.0.0.1 | -------------------------------  ------------------------------------------------------------- | /27  /30  /30 |  |
| Delivery R1 | Gig0/0.40 Se0/1/0 | 192.168.5.65  20.0.0.2 | 2001:ACAD:DB8:5::2/64  ------------------------------- | /27  /30 |  |
| Delivery R2 | Gig0/0.50 Se0/1/0 | 192.168.5.97  30.0.0.2 | 2001:ACAD:DB8:5::1/64  ------------------------------- | /28  /30 |  |
| ConR | Gig0/0  Gig0/1.60 | 192.168.6.2  192.168.6.17 | -------------------------------  ------------------------------- | /28  /28 | ---------------------  --------------------- |
|  |  |  |  |  |  |
| Boss Wi-Fi | Internet LAN | 192.168.7.2  192.168.7.33 | ------------------------------- | /29  /29 |  |
| DeliverySW1 | VLAN 40 | -------------------  ----- | -------------- | --------- |  |
| DeliverySW2 | VLAN 50 | -------------------  ----- | -------------- | --------- | ---------------------  -- |
| DeliveryPC1 | NIC | DHCP | SLAAC | /27 | 192.168.5.65 |
| DeliveryPC2 | NIC | DHCP | SLAAC | /27 | 192.168.5.65 |
| DeliveryPC3 | NIC | DCHP | SLAAC | /28 | 192.168.5.97 |
| DeliveryPC4 | NIC | DHCP | SLAAC | /28 | 192.168.5.97 |
| DeliveryServer | NIC | DHCP | SLAAC | /27 | 192.168.5.85 |
| Laptop | Wireless | DHCP | -------------- | /29 | 192.168.7.1 |
| Smartphone | Wireless | DHCP | -------------- | /29 | 192.168.7.1 |
| ConPC | NIC | 192.168.6.20 | Stateful | /28 | 192.168.6.17 |
| ConServer | NIC | 192.168.6.25 | 2001:ACAD:DB8:6::1/64 | /28 | 192.168.6.17 |

Vlan tábla

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Eszköz neve | Azonosító | Név | Portok | Hálózat |
| DeliverySW1 | 40  99 | Delivery1 Trash | Fa0/5,Fa0/10,Fa0/3  Fa0/6-9,fa0/11-  24,Gig0/2 | 192.168.5.64/27 |
| DeliverySW2 | 50  99 | Delivery2 Trash | Fa0/5,Fa0/10 | 192.168.5.96/28 |
|  |  |  | Fa0/3-4,Fa0/6-  9,Fa0/11-24,Gig0/2 |  |
| ConSW | 60  99 | ConVLAN  Trash | Fa0/1, Fa0/2  Fa0/3-24,Gig0/2 | 192.168.6.16/28 |

EtherChannel

|  |  |
| --- | --- |
| Protokoll | Port |
| LACP | Fa0/1, Fa0/2 |
| LACP | Fa0/1, Fa0/2 |

Alapbeállítások:

Center:

* Password: cisco
* Minden jelszó titkosítva
* Konzol: console
* Telnet: class DeliveryR1:
* Password: cisco
* Minden jelszó titkosítva
* Konzol: console
* Telnet: class DeliveryR2:
* Password: cisco
* Minden jelszó titkosítva
* Konzol: console
* Telnet: class DeliverySW1:
* Password: cisco
* Minden jelszó titkosítva
* Konzol: console
* Telnet: class DliverySW2:
* Password: cisco
* Minden jelszó titkosítva
* Konzol: console
* Telnet: class ConR:
* Password: cisco
* Minden jelszó titkosítva
* Konzol: console
* Telnet: class ConSW:
* Password: cisco
* Minden jelszó titkosítva
* Konzol: console
* Telnet: class

Linux szerver:

Your name: taco\_manager

Servers name: tacos\_kft

Username: taco\_loco

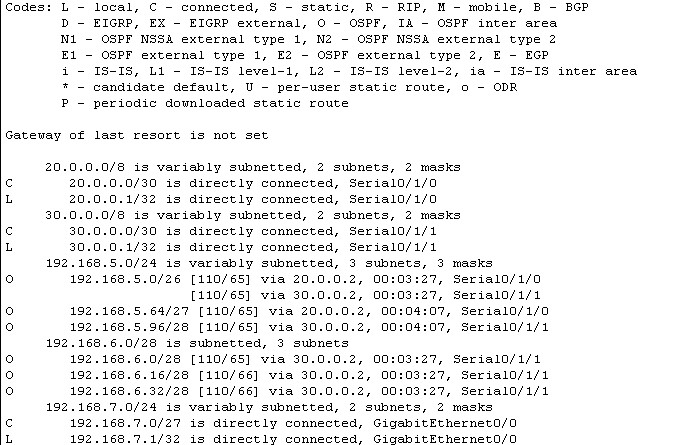
Password:tastytaco Groups: taco\_managers Users:

* taco\_lajka
* taco\_varadi
* taco\_enyedi

OSPF:

Center:

* Router ID: 10.10.10.10
* Folyamatazonosító: 10
* Hálózatok megadva: o 20.0.0.0/30 o 30.0.0.0/30 o 192.168.7.0/28 DeliveryR1:
* Router ID: 1.1.1.1
* Folyamatazonosító: 1 ➢ Hálózatok megadva: o 20.0.0.0/30 o 192.168.5.0/26 o 192.168.5.64/27 DeliveryR2:
* Routerd ID: 2.2.2.2
* Folyamatazonosító: 2 ➢ Hálózatok megadva: o 30.0.0.0/30 o 192.168.5.0/26 o 192.168.5.96/27 o 192.168.6.0/28 ConR:
* Router ID: 3.3.3.3
* Folyamatazonosító: 3 ➢ Hálózatok megadva: o 192.168.6.0/28 o 192.168.6.16/28



SSH:

DeliveryR1:

domain-name: taco.hu hostname: DeliveryR1 user admin secret admin crypto key: 1024 version 2 line vty 0 15: login local transport input ssh

DeliveryR2:

domain-name: taco.hu hostname: DeliveryR2 user admin secret admin crypto key: 1024 version 2

line vty 0 15: login local transport input ssh

ConR:

domain-name: taco.hu hostname: ConR user admin secret admin crypto key: 1024 version 2

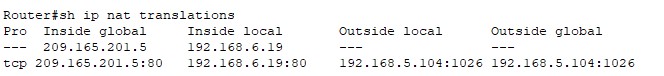
line vty 0 15: login local transport input ssh

Center:

domain-name: taco.hu hostname: Center

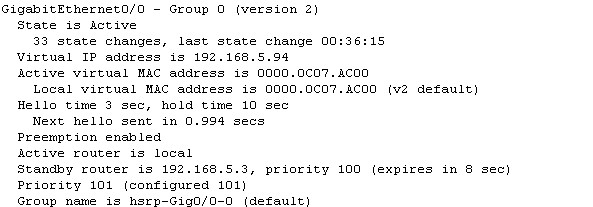
user admin secret admin crypto key: 1024 version 2 line vty 0 15: login local transport input ssh

NAT:

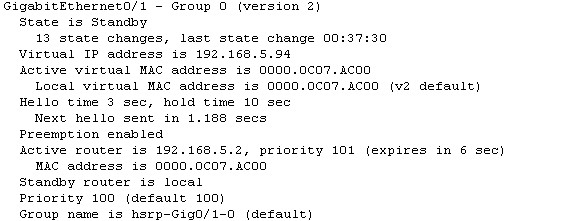


HSRP:

DeliveryR1

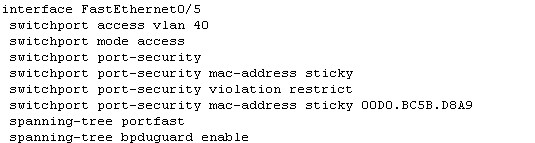


DeliveryR2

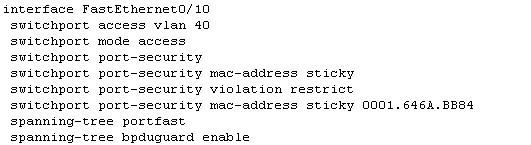


Port biztonság:

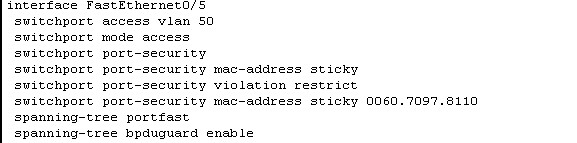
DeliverySW1 1/2



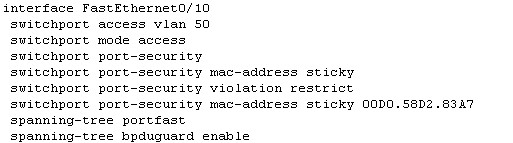
DeliverySW1 2/2



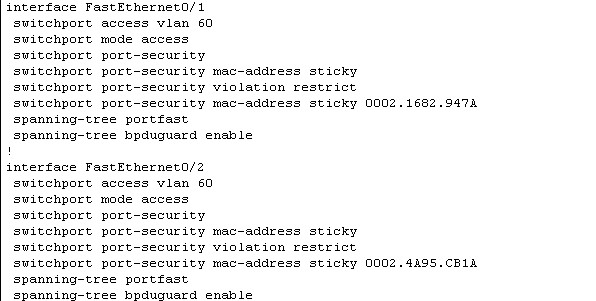
DeliverySW2 1/2



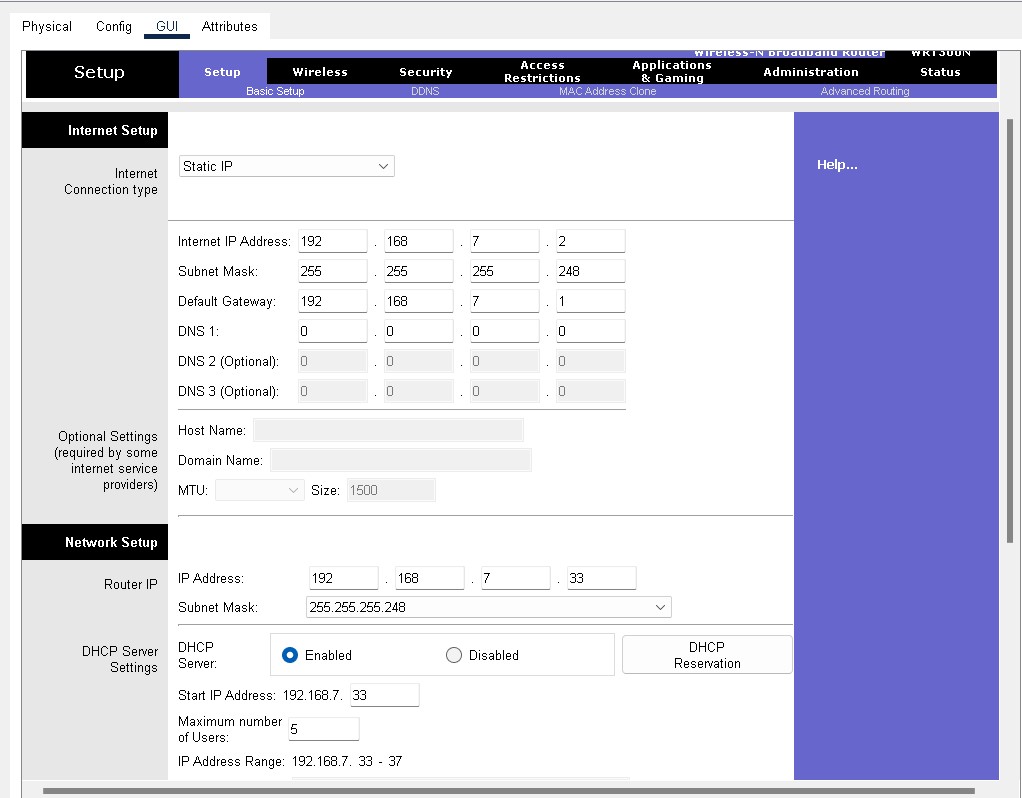
DeliverySW2 2/2

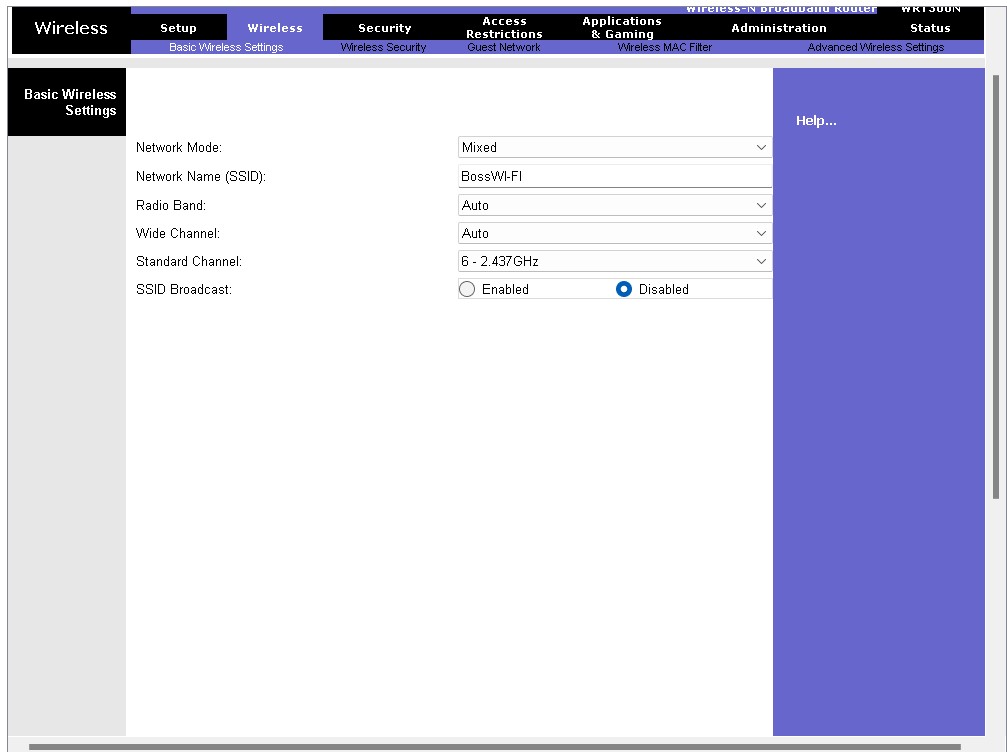


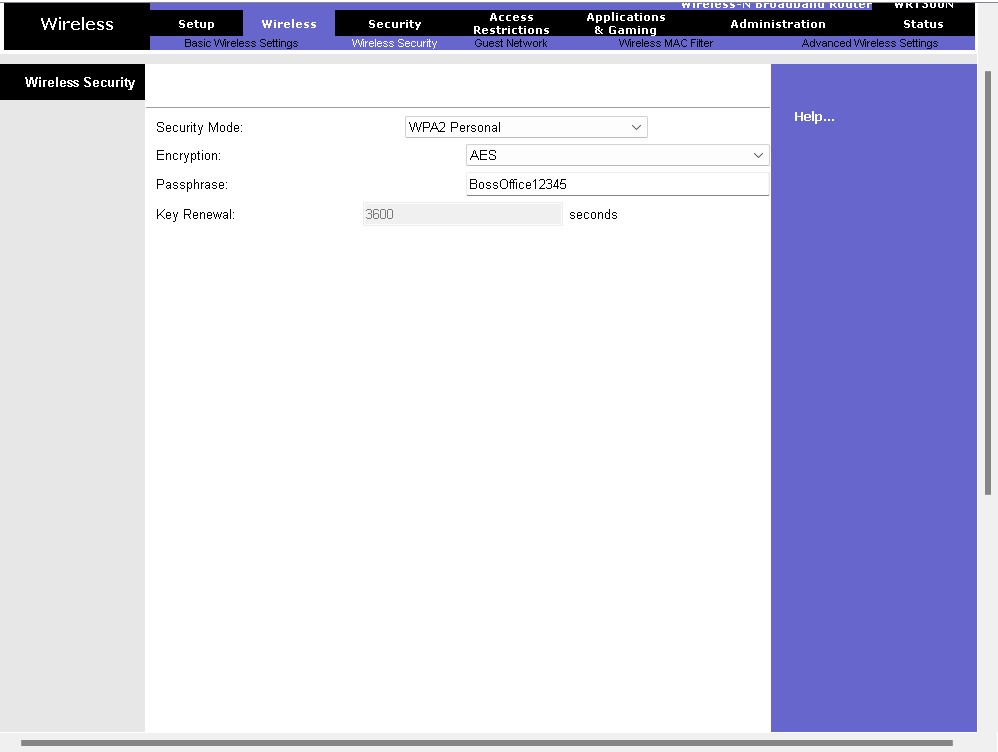
ConsSW



Wi-Fi beállítások:

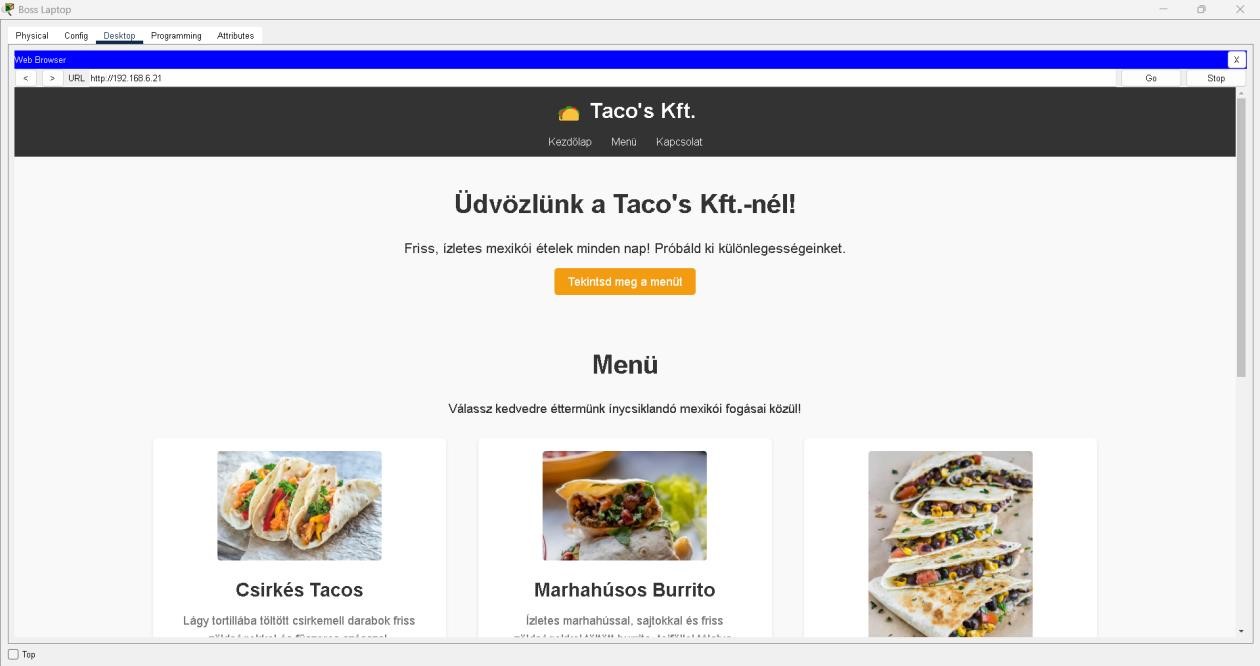


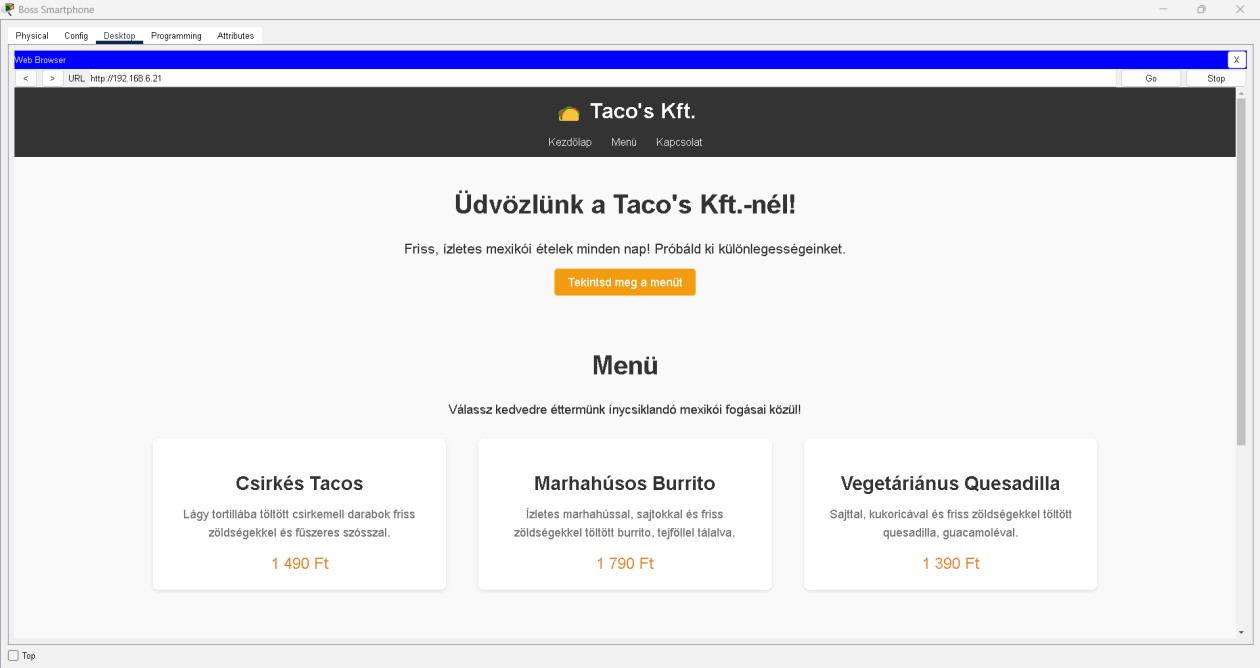




ACL:

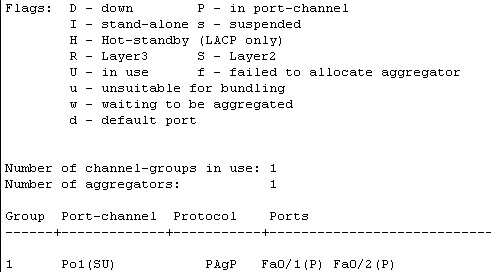
A 192.168.7.0-s hálózat csak weboldalon érje el a 192.168.6.21-es Webserver-t



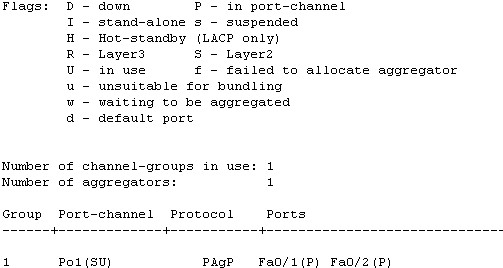


Etherchannel:

DeliverySW1:



DeliverySW2:



Configok

Center

!

version 15.1

no service timestamps log datetime msec no service timestamps debug datetime msec service password-encryption

hostname Center

!

!

!

enable password 7 0822455D0A16

!

!

!

!

!

!

no ip cef no ipv6 cef

!

!

!

username DeliveryR1 password 7 082048430017 username DeliveryR2 password 7 082048430017

!

!

license udi pid CISCO1941/K9 sn FTX1524U846-

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

!

!

!

!

!

!

interface GigabitEthernet0/0 ip address 192.168.7.1 255.255.255.224 duplex auto speed auto

interface GigabitEthernet0/1 no ip address duplex auto speed auto

!

interface Serial0/1/0 ip address 20.0.0.1 255.255.255.252 encapsulation ppp ppp authentication chap no keepalive ip access-group 101 in

!

interface Serial0/1/1 ip address 30.0.0.1 255.255.255.252 encapsulation ppp ppp authentication chap ip access-group 101 in

!

interface Vlan1 no ip address shutdown router ospf 10 router-id 10.10.10.10 log-adjacency-changes

passive-interface GigabitEthernet0/0 network 20.0.0.0 0.0.0.3 area 0 network 30.0.0.0 0.0.0.3 area 0 network 192.168.7.0 0.0.0.31 area 0

!

ip classless

ip route 0.0.0.0 0.0.0.0 GigabitEthernet0/1

!

ip flow-export version 9

!

!

access-list 101 deny ip any 0.0.0.0 255.255.255.240

!

banner motd !WARNING. You need authorization for this

device!

!

!

!

line con 0 password 7 082243401A160912

login

!

line aux 0

!

line vty 0 4

password 7 0822404F1A0A

login line vty 5 15 password 7 0822404F1A0A

login

!

!

!

end

DeliveryR1:

!

version 15.1

no service timestamps log datetime msec

no service timestamps debug datetime msec service password-encryption

!

hostname DeliveryR1

!

!

!

enable password 7 0822455D0A16

!

!

ip dhcp excluded-address 192.168.5.65 192.168.5.70

!

ip dhcp pool LAN1

network 192.168.5.64 255.255.255.224 default-router 192.168.5.94 dns-server 8.8.8.8

!

!

!

no ip cef ipv6 unicast-routing no ipv6 cef

!

!

!

!

license udi pid CISCO1941/K9 sn FTX15249UMV-

!

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

!

!

!

!

!

interface GigabitEthernet0/0 ip address 192.168.5.2 255.255.255.192 duplex auto speed auto ipv6 enable ipv6 dhcp server Stateful standby version 2 standby 1 preempt standby 0 ip 192.168.5.94 standby priority 101 standby preempt

!

interface GigabitEthernet0/0.40 encapsulation dot1Q 40 ip address 192.168.5.65 255.255.255.224 ipv6 address 2001:ACAD:DB8:5::2/64 ipv6 enable ipv6 ospf 1 area 0 standby version 2

interface GigabitEthernet0/1 no ip address duplex auto speed auto shutdown

!

interface Serial0/1/0 ip address 20.0.0.2 255.255.255.252 clock rate 2000000

!

interface Serial0/1/1 no ip address clock rate 2000000 shutdown

!

interface Vlan1 no ip address shutdown

!

router ospf 1 router-id 1.1.1.1 log-adjacency-changes network 20.0.0.0 0.0.0.3 area 0 network 192.168.5.0 0.0.0.63 area 0 network 192.168.5.64 0.0.0.31 area 0

!

ipv6 router ospf 1 router-id 1.1.1.1 log-adjacency-changes

!

ip classless

!

ip flow-export version 9

!

!

!

banner motd !WARNING. You need authorization for this

device!

!

!

!

!

line con 0

password 7 082243401A160912

login

!

line aux 0

!

line vty 0 4

password 7 0822404F1A0A

login line vty 5 15 password 7 0822404F1A0A

login

!

!

!

end

DeliveryR2:

!

version 15.1

no service timestamps log datetime msec no service timestamps debug datetime msec service password-encryption

!

hostname DeliveryR2

!

!

!

enable password 7 0822455D0A16

!

!

ip dhcp excluded-address 192.168.5.97 192.168.5.102

!

ip dhcp pool LAN2

network 192.168.5.96 255.255.255.240 default-router 192.168.5.94 dns-server 8.8.8.8

!

!

!

no ip cef ipv6 unicast-routing

!

no ipv6 cef

!

!

!

!

license udi pid CISCO1941/K9 sn FTX1524O9WR-

!

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

!

!

!

!

!

!

interface GigabitEthernet0/0

ip address 192.168.6.1 255.255.255.240 duplex auto speed auto

!

interface GigabitEthernet0/1 ip address 192.168.5.3 255.255.255.192 duplex auto speed auto standby version 2 standby 0 ip 192.168.5.94 standby preempt

!

interface GigabitEthernet0/1.50 encapsulation dot1Q 50 ip address 192.168.5.97 255.255.255.240 ipv6 address 2001:ACAD:DB8:5::1/64 ipv6 ospf 1 area 0 standby version 2

!

interface Serial0/1/0 no ip address clock rate 2000000 shutdown

!

interface Serial0/1/1 ip address 30.0.0.2 255.255.255.252 clock rate 2000000

!

interface Vlan1 no ip address shutdown

!

router ospf 2 router-id 2.2.2.2 log-adjacency-changes network 30.0.0.0 0.0.0.3 area 0 network 192.168.5.0 0.0.0.63 area 0 network 192.168.5.96 0.0.0.15 area 0 network 192.168.6.0 0.0.0.15 area 0

!

ipv6 router ospf 1 router-id 2.2.2.2 log-adjacency-changes

!

ip classless

ip route 209.165.201.0 255.255.255.0 192.168.6.2

!

ip flow-export version 9

!

!

!

banner motd !WARNING. You need authorization for this

device!

!

!

!

!

line con 0

password 7 082243401A160912

login

!

line aux 0

!

line vty 0 4

password 7 0822404F1A0A

login

line vty 5 15 password 7 0822404F1A0A

login

!

!

!

end

DeliverySW1:

!

version 15.0

no service timestamps log datetime msec no service timestamps debug datetime msec service password-encryption

!

hostname DeliverySW1

!

enable password 7 0822455D0A16

!

!

!

ip ssh version 2

ip domain-name taco.com

!

username admin secret 5 $1$mERr$oixFHbQeZPA/RsivKDJhf.

!

!

!

spanning-tree mode pvst spanning-tree extend system-id

!

interface Port-channel1 switchport mode trunk

!

interface FastEthernet0/1 switchport mode trunk channel-group 1 mode auto

!

interface FastEthernet0/2 switchport mode trunk channel-group 1 mode auto

!

interface FastEthernet0/3 switchport access vlan 40 ip dhcp snooping trust switchport mode access

!

interface FastEthernet0/4

!

interface FastEthernet0/5 switchport access vlan 40 switchport mode access switchport port-security

switchport port-security mac-address sticky switchport port-security violation restrict

switchport port-security mac-address sticky

00D0.BC5B.D8A9 spanning-tree portfast spanning-tree bpduguard enable

!

interface FastEthernet0/6 switchport access vlan 99 shutdown

!

interface FastEthernet0/7

switchport access vlan 99

shutdown

!

interface FastEthernet0/8 switchport access vlan 99 shutdown

!

interface FastEthernet0/9 switchport access vlan 99 shutdown

!

interface FastEthernet0/10 switchport access vlan 40 switchport mode access switchport port-security

switchport port-security mac-address sticky switchport port-security violation restrict switchport port-security mac-address sticky

0001.646A.BB84 spanning-tree portfast spanning-tree bpduguard enable

!

interface FastEthernet0/11 switchport access vlan 99 shutdown

!

interface FastEthernet0/12 switchport access vlan 99 shutdown

!

interface FastEthernet0/13 switchport access vlan 99 shutdown

!

interface FastEthernet0/14 switchport access vlan 99 shutdown

!

interface FastEthernet0/15 switchport access vlan 99 shutdown

!

interface FastEthernet0/16 switchport access vlan 99 shutdown

!

interface FastEthernet0/17 switchport access vlan 99 shutdown

!

interface FastEthernet0/18 switchport access vlan 99 shutdown

!

interface FastEthernet0/19 switchport access vlan 99 shutdown

!

interface FastEthernet0/20 switchport access vlan 99 shutdown

!

interface FastEthernet0/21 switchport access vlan 99 shutdown

!

interface FastEthernet0/22 switchport access vlan 99 shutdown

!

interface FastEthernet0/23 switchport access vlan 99 shutdown

!

interface FastEthernet0/24 switchport access vlan 99 shutdown

!

interface GigabitEthernet0/1 ip dhcp snooping trust switchport mode trunk

!

interface GigabitEthernet0/2 switchport access vlan 99 shutdown

!

interface Vlan1 no ip address shutdown

!

interface Vlan40

ip address 192.168.5.73 255.255.255.224

!

banner motd !WARNING. You need authorization for this

device!

!

!

!

line con 0

password 7 082243401A160912

login

!

line vty 0 4

password 7 0822404F1A0A

login local transport input ssh line vty 5 15 password 7 0822404F1A0A

login local transport input ssh !

!

!

!

end

DeliverySW2:

!

version 15.0

no service timestamps log datetime msec no service timestamps debug datetime msec service password-encryption

!

hostname DeliverySW2

!

enable password 7 0822455D0A16

!

!

!

ip ssh version 2 ip domain-name taco.com

!

username admin secret 5 $1$mERr$vTbHul1N28cEp8lkLqr0f/

!

!

!

spanning-tree mode pvst spanning-tree extend system-id

!

interface Port-channel1 switchport mode trunk

!

interface FastEthernet0/1 switchport mode trunk channel-group 1 mode desirable

!

interface FastEthernet0/2 switchport mode trunk channel-group 1 mode desirable

!

interface FastEthernet0/3 switchport access vlan 99 shutdown

!

interface FastEthernet0/4 switchport access vlan 99 shutdown

!

interface FastEthernet0/5 switchport access vlan 50 switchport mode access switchport port-security

switchport port-security mac-address sticky switchport port-security violation restrict switchport port-security mac-address sticky

0060.7097.8110 spanning-tree portfast spanning-tree bpduguard enable

!

interface FastEthernet0/6 switchport access vlan 99 shutdown

!

interface FastEthernet0/7 switchport access vlan 99 shutdown

!

interface FastEthernet0/8 switchport access vlan 99 shutdown

!

interface FastEthernet0/9 switchport access vlan 99 shutdown

!

interface FastEthernet0/10 switchport access vlan 50 switchport mode access switchport port-security

switchport port-security mac-address sticky switchport port-security violation restrict

switchport port-security mac-address sticky

00D0.58D2.83A7 spanning-tree portfast spanning-tree bpduguard enable

!

interface FastEthernet0/11

switchport access vlan 99 shutdown

!

interface FastEthernet0/12 switchport access vlan 99 shutdown

!

interface FastEthernet0/13 switchport access vlan 99 shutdown

!

interface FastEthernet0/14 switchport access vlan 99 shutdown

!

interface FastEthernet0/15 switchport access vlan 99 shutdown

!

interface FastEthernet0/16 switchport access vlan 99 shutdown

interface FastEthernet0/17 switchport access vlan 99 shutdown

!

interface FastEthernet0/18 switchport access vlan 99 shutdown

!

interface FastEthernet0/19 switchport access vlan 99 shutdown

!

interface FastEthernet0/20 switchport access vlan 99 shutdown

!

interface FastEthernet0/21 switchport access vlan 99 shutdown

!

interface FastEthernet0/22 switchport access vlan 99 shutdown

!

interface FastEthernet0/23 switchport access vlan 99 shutdown

!

interface FastEthernet0/24 switchport access vlan 99 shutdown

!

interface GigabitEthernet0/1 ip dhcp snooping trust switchport mode trunk

!

interface GigabitEthernet0/2 switchport access vlan 99 shutdown

!

interface Vlan1 no ip address shutdown interface Vlan50

ip address 192.168.5.109 255.255.255.240

!

banner motd !WARNING. You need authorization for this

device!

!

!

!

line con 0

password 7 082243401A160912

login

!

line vty 0 4

password 7 0822404F1A0A

login local transport input ssh line vty 5 15 password 7 0822404F1A0A

login local transport input ssh

!

!

!

end

ConR:

!

version 15.1

no service timestamps log datetime msec no service timestamps debug datetime msec service password-encryption

!

hostname ConR

!

!

!

enable password 7 0822455D0A16

!

!

!

!

!

ip cef ipv6 unicast-routing

!

no ipv6 cef

!

!

!

!

license udi pid CISCO1941/K9 sn FTX1524P5FJ-

!

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

!

!

!

!

!

interface GigabitEthernet0/0 ip address 192.168.6.2 255.255.255.240 ip nat outside duplex auto speed auto

!

interface GigabitEthernet0/0.60 no ip address

!

interface GigabitEthernet0/1 ip address 192.168.6.33 255.255.255.240 ip nat inside duplex auto speed auto

!

interface GigabitEthernet0/1.60

encapsulation dot1Q 60

ip address 192.168.6.17 255.255.255.240 ipv6 enable ipv6 ospf 1 area 0

!

interface Vlan1 no ip address shutdown

!

router ospf 3 router-id 3.3.3.3 log-adjacency-changes network 192.168.6.32 0.0.0.15 area 0 network 192.168.6.16 0.0.0.15 area 0 network 192.168.6.0 0.0.0.15 area 0

!

ipv6 router ospf 1 router-id 3.3.3.3 log-adjacency-changes

!

ip nat inside source static 192.168.6.19 209.165.201.5 ip classless

ip route 192.168.5.96 255.255.255.240 192.168.6.1

!

ip flow-export version 9

!

!

!

banner motd !WARNING. You need authorization for this

device!

!

!

!

!

line con 0

password 7 082243401A160912

login

!

line aux 0

!

line vty 0 4

password 7 0822404F1A0A

login line vty 5 15 password 7 0822404F1A0A

login

!

!

!

end

ConSW:

!

version 15.0

no service timestamps log datetime msec no service timestamps debug datetime msec service password-encryption

!

hostname ConSW

!

enable password 7 0822455D0A16

!

!

!

ip ssh version 2 ip domain-name taco.com !

username admin secret 5 $1$mERr$vTbHul1N28cEp8lkLqr0f/

!

!

!

spanning-tree mode pvst spanning-tree extend system-id

!

interface FastEthernet0/1 switchport access vlan 60 switchport mode access switchport port-security

switchport port-security mac-address sticky switchport port-security violation restrict switchport port-security mac-address sticky

0002.1682.947A spanning-tree portfast spanning-tree bpduguard enable

!

interface FastEthernet0/2 switchport access vlan 60 switchport mode access switchport port-security

switchport port-security mac-address sticky switchport port-security violation restrict switchport port-security mac-address sticky

0002.4A95.CB1A spanning-tree portfast spanning-tree bpduguard enable

!

interface FastEthernet0/3

!

interface FastEthernet0/4

!

interface FastEthernet0/5

!

interface FastEthernet0/6

!

interface FastEthernet0/7

!

interface FastEthernet0/8

!

interface FastEthernet0/9

!

interface FastEthernet0/10

!

interface FastEthernet0/11

!

interface FastEthernet0/12

!

interface FastEthernet0/13

!

interface FastEthernet0/14

!

interface FastEthernet0/15

!

interface FastEthernet0/16

!

interface FastEthernet0/17

!

interface FastEthernet0/18

!

interface FastEthernet0/19

!

interface FastEthernet0/20 !

interface FastEthernet0/21

!

interface FastEthernet0/22

!

interface FastEthernet0/23

!

interface FastEthernet0/24

!

interface GigabitEthernet0/1 switchport mode trunk

!

interface GigabitEthernet0/2

!

interface Vlan1 no ip address shutdown

!

interface Vlan60

ip address 192.168.6.18 255.255.255.240

!

banner motd !WARNING. You need authorization for this

device!

!

!

!

line con 0

password 7 082243401A160912

login

!

line vty 0 4

password 7 0822404F1A0A

login local transport input ssh line vty 5 15 password 7 0822404F1A0A

login local transport input ssh

!

!

!

!

end