Tartalomjegyzék

[Kávézó terület 2](#_Toc158232841)

[Kávézó router 2](#_Toc158232842)

[EBEDLO VLAN 2](#_Toc158232843)

[BAR VLAN 2](#_Toc158232844)

[IRODA VLAN 2](#_Toc158232845)

[OSPF 2](#_Toc158232846)

[PPP 2](#_Toc158232847)

[EBED\_S Switch 3](#_Toc158232848)

[VLAN 3](#_Toc158232849)

[Switchport mode 3](#_Toc158232850)

[VTP 3](#_Toc158232851)

[PORTVÉDELEM 3](#_Toc158232852)

[PORTÖSSZEFOGÁS 3](#_Toc158232853)

[Feszitő fa 3](#_Toc158232854)

[IRODA\_S switch 4](#_Toc158232855)

[Switchport mode 4](#_Toc158232856)

[VTP 4](#_Toc158232857)

[PORTVÉDELEM 4](#_Toc158232858)

[PORTÖSSZEFOGÁS 4](#_Toc158232859)

[Feszitő fa 4](#_Toc158232860)

[BAR\_S switch 5](#_Toc158232861)

[Switchport mode 5](#_Toc158232862)

[VTP 5](#_Toc158232863)

[PORTVÉDELEM 5](#_Toc158232864)

[PORTÖSSZEFOGÁS 5](#_Toc158232865)

[Feszitő fa 5](#_Toc158232866)

[NEW YORK HOTEL Terület 6](#_Toc158232867)

[RECEPCIO Switch 6](#_Toc158232868)

[VLANOK 6](#_Toc158232869)

[VTP 6](#_Toc158232870)

[Switchport mode 6](#_Toc158232871)

[SPANNING TREE 6](#_Toc158232872)

[PORTÖSSZEFOGÁS 6](#_Toc158232873)

[PORTVÉDELEM 7](#_Toc158232874)

[SECURITY Switch 7](#_Toc158232875)

[VTP 7](#_Toc158232876)

[Switchport mode 7](#_Toc158232877)

[SPANNING TREE 7](#_Toc158232878)

[IGAZGATOSAG Switch 7](#_Toc158232879)

[VTP 7](#_Toc158232880)

[Switchport mode 7](#_Toc158232881)

[SPANNING TREE 8](#_Toc158232882)

[PORTÖSSZEFOGÁS 8](#_Toc158232883)

[PORTVÉDELEM 8](#_Toc158232884)

[SZOBAK1 Switch 8](#_Toc158232885)

[VTP 8](#_Toc158232886)

[Switchport mode 8](#_Toc158232887)

[SPANNING TREE 9](#_Toc158232888)

[PORTÖSSZEFOGÁS 9](#_Toc158232889)

[PORTVÉDELEM 9](#_Toc158232890)

[SZOBAK2 Switch 9](#_Toc158232891)

[VTP 9](#_Toc158232892)

[Switchport mode 9](#_Toc158232893)

[SPANNING TREE 9](#_Toc158232894)

[PORTÖSSZEFOGÁS 10](#_Toc158232895)

[PORTVÉDELEM 10](#_Toc158232896)

[NewYorkHotel Router 10](#_Toc158232897)

[Recepció VLAN 10](#_Toc158232898)

[Security VLAN 10](#_Toc158232899)

[Hálószobák1 VLAN 10](#_Toc158232900)

[Igazgatóság VLAN 10](#_Toc158232901)

[Hálószobák2 VLAN 11](#_Toc158232902)

[VLAN 11](#_Toc158232903)

[OSPF 11](#_Toc158232904)

[PPP 11](#_Toc158232905)

[Üzemeltetők terület 12](#_Toc158232906)

[Üzemeltetők router 12](#_Toc158232907)

[Static route 12](#_Toc158232908)

[OSPF 12](#_Toc158232909)

[Laguna Motel Terület 13](#_Toc158232910)

[Laguna Motel router 13](#_Toc158232911)

[OSPF 13](#_Toc158232912)

[PPP 13](#_Toc158232913)

[Távmunkás Terület 14](#_Toc158232914)

[Home router 14](#_Toc158232915)

[Static route 14](#_Toc158232916)

[ISP Terület 15](#_Toc158232917)

[ISP router 15](#_Toc158232918)

[Config 15](#_Toc158232919)

[IP Címzés 15](#_Toc158232920)

[Static route 15](#_Toc158232921)

# Kávézó terület

## Kávézó router

### EBEDLO VLAN

int gig0/0.10

encap dot1q 10

ip add 192.168.31.1 255.255.255.128

### BAR VLAN

int gig0/0.20

encap dot1q 20

ip add 192.168.31.129 255.255.255.192

### IRODA VLAN

int gig0/0.30

encap dot1q 30

ip add 192.168.31.193 255.255.255.248

### OSPF

router ospf 1

router-id 3.3.3.3

passive-interface gig0/0

network 192.168.31.0 0.0.0.127 area 0

network 192.168.31.128 0.0.0.63 area 0

network 192.168.31.192 0.0.0.7 area 0

network 100.100.100.12 0.0.0.3 area 0

network 100.100.100.20 0.0.0.3 area 0

### PPP

Még üres :’)

## EBED\_S Switch

### VLAN

vlan 10

name EBEDLO

vlan 20

name BAR

vlan 30

name IRODA

### Switchport mode

int gig0/1

sw mo trunk

int range fa0/1-6

sw mo trunk

### VTP

vtp mode server

vtp domain kavezo

vtp password kave123

vtp version 2

### PORTVÉDELEM

int range f0/5-24

sh

int range gig0/1-2, f0/1-4

switchport port-security mac-address sticky

switchport port-security violation restrict

switchport port-security maximum 1

### PORTÖSSZEFOGÁS

int range f0/1-2

channel-group 1 mode desirable

int range f0/3-4

channel-group 2 mode desirable

### Feszitő fa

spanning-tree mode rapid-pvst

spanning-tree vlan 10,20,30 root primary

int gig0/2

spanning-tree portfast

spanning-tree bpduguard enable

## IRODA\_S switch

### Switchport mode

int range fa0/1-6

sw mo trunk

int range fa0/3-4, fa0/24

sw mode acc

sw acc vlan 30

### VTP

vtp mode client

vtp domain kavezo

vtp password kave123

### PORTVÉDELEM

int range f0/7-23

sh

int range f0/1-6, f0/24

switchport port-security mac-address sticky

switchport port-security violation restrict

switchport port-security maximum 1

### PORTÖSSZEFOGÁS

int range f0/1-2

channel-group 1 mode desirable

int range f0/5-6

channel-group 3 mode desirable

### Feszitő fa

spanning-tree mode rapid-pvst

spanning-tree vlan 10,20,30 root secondary

int range f0/3-4, f0/24

spanning-tree portfast

spanning-tree bpduguard enable

## BAR\_S switch

### Switchport mode

int range fa0/1-6

sw mo trunk

int range fa0/2

sw mode acc

sw acc vlan 20

### VTP

vtp mode client

vtp domain kavezo

vtp password kave123

### PORTVÉDELEM

int range f0/1, f0/7-24, gig0/1

sh

int range f0/2-6, gig0/2

switchport port-security mac-address sticky

switchport port-security violation restrict

switchport port-security maximum 1

### PORTÖSSZEFOGÁS

int range f0/3-4

channel-group 2 mode desirable

int range f0/5-6

channel-group 3 mode desirable

### Feszitő fa

spanning-tree mode rapid-pvst

int range gig0/2, f0/2

spanning-tree portfast

spanning-tree bpduguard enable

# NEW YORK HOTEL Terület

## RECEPCIO Switch

### VLANOK

vlan 11

name RECEPCIO

vlan 12

name SECURITY

vlan 21

name HALO1

vlan 22

name IGAZGATOSAG

vlan 31

name HALO2

### VTP

vtp domain NYHOTEL

vtp version 2

vtp password NYHOTEL

### Switchport mode

int range fa0/21-24

switchport mode access

switchport access vlan 11

int range gig0/1, fa0/1-6

switchport mode trunk

### SPANNING TREE

spanning-tree mode rapid-pvst

spanning-tree vlan 11,12,21,22,31 root primary

int range fa0/21-24

spanning-tree portfast

spanning-tree bpduguard enable

### PORTÖSSZEFOGÁS

int range fa0/1-2

channel-group 1 mode desirable

int port-channel 1

switchport mode trunk

int range fa0/5-6

channel-group 2 mode desirable

int port-channel 2

switchport mode trunk

int range fa0/3-4

channel-group 3 mode desirable

int port-channel 3

switchport mode trunk

### PORTVÉDELEM

int range f0/7-20, gig0/2

sh

int range gig0/1, f0/1-6, f0/21-24

switchport port-security mac-address sticky

switchport port-security violation restrict

switchport port-security maximum 1

## SECURITY Switch

### VTP

vtp mode client

vtp domain NYHOTEL

vtp password NYHOTEL

### Switchport mode

int range fa0/22-24

switchport mode access

switchport access vlan 12

### SPANNING TREE

spanning-tree mode rapid-pvst

spanning-tree vlan 11,12,21,22,31 root secondary

int range fa0/22-24

spanning-tree bpduguard enable

spanning-tree portfast

## IGAZGATOSAG Switch

### VTP

vtp mode client

vtp domain NYHOTEL

vtp password NYHOTEL

### Switchport mode

int range fa0/22-24

switchport mode access

switchport access vlan 22

### SPANNING TREE

spanning-tree mode rapid-pvst

int range fa0/23-24

spanning-tree portfast

spanning-tree bpduguard enable

### PORTÖSSZEFOGÁS

int range fa0/1-2

channel-group 6 mode desirable

int port-channel 6

switchport mode trunk

int range fa0/3-4

channel-group 4 mode desirable

int port-channel 4

switchport mode trunk

int range fa0/5-6

channel-group 2 mode desirable

int port-channel 2

switchport mode trunk

### PORTVÉDELEM

int range f0/7-21, gig0/1-2

sh

int range f0/1-6, f0/22-24 ?

switchport port-security mac-address sticky

switchport port-security violation restrict

switchport port-security maximum 1

## SZOBAK1 Switch

### VTP

vtp mode client

vtp domain NYHOTEL

vtp password NYHOTEL

### Switchport mode

int fa0/24

switchport mode access

switchport access vlan 21

### SPANNING TREE

spanning-tree mode rapid-pvst

int fa0/24

spanning-tree bpduguard enable

### PORTÖSSZEFOGÁS

int range fa0/1-2

channel-group 5 mode desirable

int port-channel 5

switchport mode trunk

int range fa0/3-4

channel-group 3 mode desirable

int port-channel 3

switchport mode trunk

### PORTVÉDELEM

int range f0/5-23, gig0/1-2

sh

int range f0/1-4, f0/24 ?

switchport port-security mac-address sticky

switchport port-security violation restrict

switchport port-security maximum 1

## SZOBAK2 Switch

### VTP

vtp mode client

vtp domain NYHOTEL

vtp password NYHOTEL

### Switchport mode

int fa0/24

switchport mode access

switchport access vlan 31

### SPANNING TREE

spanning-tree mode rapid-pvst

int fa0/24

spanning-tree bpduguard enable

### PORTÖSSZEFOGÁS

int range fa0/1-2

channel-group 5 mode desirable

int port-channel 5

switchport mode trunk

int range fa0/3-4

channel-group 6 mode desirable

int port-channel 6

switchport mode trunk

### PORTVÉDELEM

int range f0/5-23, gig0/1-2

sh

int range f0/1-4, f0/24 ?

switchport port-security mac-address sticky

switchport port-security violation restrict

switchport port-security maximum 1

## NewYorkHotel Router

### Recepció VLAN

int gig0/0.11

encapsulation dot1q 11

ip add 172.16.0.81 255.255.255.248

### Security VLAN

int gig0/0.12

encapsulation dot1q 12

ip add 172.16.0.89 255.255.255.248

### Hálószobák1 VLAN

int gig0/0.21

encapsulation dot1q 21

ip add 172.16.0.1 255.255.255.224

### Igazgatóság VLAN

int gig0/0.22

encapsulation dot1q 22

ip add 172.16.0.65 255.255.255.248

### Hálószobák2 VLAN

int gig0/0.31

encapsulation dot1q 31

ip add 172.16.0.33 255.255.255.224

### VLAN

int gig0/0

no sh

### OSPF

router ospf 1

router-id 2.2.2.2

passive-interface gig0/0

passive-interface gig0/0.11

passive-interface gig0/0.12

passive-interface gig0/0.21

passive-interface gig0/0.22

passive-interface gig0/0.31

network 172.16.0.0 0.0.0.31 area 0

network 172.16.0.32 0.0.0.31 area 0

network 172.16.0.64 0.0.0.7 area 0

network 172.16.0.80 0.0.0.7 area 0

network 172.16.0.88 0.0.0.7 area 0

network 100.100.100.28 0.0.0.3 area 0

network 100.100.100.20 0.0.0.3 area 0

### PPP

Még üres

### HSRP

int g0/0.11

standby ver 2

standby 11 ip 172.16.0.86

standby 11 priority 150

standby 11 preempt

int g0/0.12

standby ver 2

standby 12 ip 172.16.0.94

standby 12 priority 150

standby 12 preempt

int g0/0.21

standby ver 2

standby 21 ip 172.16.0.30

standby 21 priority 150

standby 21 preempt

int g0/0.22

standby ver 2

standby 22 ip 172.16.0.78

standby 22 priority 150

standby 22 preempt

int g0/0.31

standby ver 2

standby 31 ip 172.16.0.62

standby 31 priority 150

standby 31 preempt

## Backup router

### Static route

ip route 0.0.0.0 0.0.0.0 gig0/2/0

### OSPF

router ospf 1

router-id 5.5.5.5

network 100.100.100.36 0.0.0.3 area 0

network 100.100.100.32 0.0.0.3 area 0

network 100.100.100.40 0.0.0.3 area 0

network 172.16.0.0 0.0.0.31 area 0

network 172.16.0.32 0.0.0.31 area 0

network 172.16.0.64 0.0.0.7 area 0

network 172.16.0.80 0.0.0.7 area 0

network 172.16.0.88 0.0.0.7 area 0

network 100.100.100.28 0.0.0.3 area 0

network 100.100.100.20 0.0.0.3 area 0

passive-interface gig0/0

passive-interface gig0/0.11

passive-interface gig0/0.12

passive-interface gig0/0.21

passive-interface gig0/0.22

passive-interface gig0/0.31

passive-interface gig0/2/0

default-information originate

### Recepció VLAN

int gig0/0.11

encapsulation dot1q 11

ip add 172.16.0.82 255.255.255.248

### Security VLAN

int gig0/0.12

encapsulation dot1q 12

ip add 172.16.0.90 255.255.255.248

### Hálószobák1 VLAN

int gig0/0.21

encapsulation dot1q 21

ip add 172.16.0.2 255.255.255.224

### Igazgatóság VLAN

int gig0/0.22

encapsulation dot1q 22

ip add 172.16.0.66 255.255.255.248

### Hálószobák2 VLAN

int gig0/0.31

encapsulation dot1q 31

ip add 172.16.0.34 255.255.255.224

### VLAN

int gig0/0

no sh

### HSRP

int g0/0.11

standby ver 2

standby 11 ip 172.16.0.86

int g0/0.12

standby ver 2

standby 12 ip 172.16.0.94

int g0/0.21

standby ver 2

standby 21 ip 172.16.0.30

int g0/0.22

standby ver 2

standby 22 ip 172.16.0.78

int g0/0.31

standby ver 2

standby 31 ip 172.16.0.62

# Üzemeltetők terület

## Üzemeltetők router

### Static route

ip route 0.0.0.0 0.0.0.0 gig0/0/0

### OSPF

router ospf 1

router-id 1.1.1.1

passive-interface gig0/0

passive-interface gig0/0/0

network 35.125.55.0 0.0.0.127 area 0

network 100.100.100.28 0.0.0.3 area 0

network 100.100.100.16 0.0.0.3 area 0

network 100.100.100.20 0.0.0.3 area 0

default-information originate

### PPP

int se0/1/0

encap ppp

ppp authentication chap

exit

username Laguna secret cisco

# Laguna Motel Terület

## Laguna Motel router

### OSPF

router ospf 1

router-id 4.4.4.4

passive-interface gig0/0

passive-interface gig0/1

network 192.168.54.40 0.0.0.3 area 0

network 192.168.54.32 0.0.0.7 area 0

network 100.100.100.16 0.0.0.3 area 0

network 100.100.100.12 0.0.0.3 area 0

### PPP

int se0/0/0

encap ppp

ppp authentication chap

exit

username Uzemeltetok secret cisco

# Távmunkás Terület

## Home router

### Static route

ip route 0.0.0.0 0.0.0.0 gig0/0/0

# ISP Terület

## ISP router

### Config

Hostname

hostname ISP\_R

### IP Címzés

Interface GIG0/0

ip address 100.100.100.1 255.255.255.248

Interface GIG0/0/0

ip address 100.100.100.25 255.255.255.252

Interface GIG0/1/0

ip address 100.100.100.9 255.255.255.252

### Static route

ip route 0.0.0.0 0.0.0.0 gig0/0/0

ip route 100.100.100.8 255.255.255.252 100.100.100.10