REDES CONVERGENTES (Dados e voz);

1- configurações no switch:

a)- atribuição das interfaces (Portas) na vlan 1

Switch>

Switch>en

Switch#

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#

Switch(config)#int range fa0/1-9

Switch(config-if-range)#switchport mode access

Switch(config-if-range)#switchport voice vlan 1

Switch(config-if-range)#exit

b)- Criando Vlan de Dados;

Switch(config)#vlan 2

Switch(config-vlan)#name dados

Switch(config-vlan)#int range fa0/10-20

Switch(config-if-range)#switchport mode access

Switch(config-if-range)#switchport access vlan 2

Switch(config-if-range)#exit

C)- Ablitando a Porta do Switch

Switch(config)#int gig0/1

Switch(config-if)#no sh

Switch(config-if)#exit

d)- criando a comunicação de tronco nas Vlans

Switch(config)#int gig0/1

Switch(config-if)#switchport mode trunk

Switch(config-if)#switchport trunk allowed vlan 1,2

Switch(config-if)#switchport nonegotiate

Switch(config-if)#switchport trunk native vlan 1

Switch(config-if)#exit

Switch(config)#

2 - configurações no Router:

a)- Criando as Vlans no Roter

Router>

Router>en

Router#

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#

Router(config)#int gig0/1.1

Router(config-subif)#enc

Router(config-subif)#encapsulation dot1q 1

Router(config-subif)#ip add 192.168.1.1 255.255.255.0

Router(config-subif)#desc

Router(config-subif)#description vlan voice

Router(config-subif)#exit

Router(config)#int gig0/1.2

Router(config-subif)#encapsulation dot1q 2

Router(config-subif)#ip add 192.168.2.1 255.255.255.0

Router(config-subif)#description vlan dados

Router(config-subif)#exit

Router(config)#

b)- Excluindo os IPs do servidos (Router)

Router(config)#ip dhcp excluded-address 192.168.1.1

Router(config)#ip dhcp excluded-address 192.168.2.1

Router(config)#

c)- Criar serviços de DHCPs (Voz)

Router(config)#ip dhcp pool voice

Router(dhcp-config)#net

Router(dhcp-config)#network 192.168.1.0 255.255.255.0

Router(dhcp-config)#option 150 ip 192.168.1.1

Router(dhcp-config)#default-router 192.168.1.1

Router(dhcp-config)#

Router(dhcp-config)#exit

Router(config)#

d)- Criar serviço de DHCP (Dados)

Router(config)#ip dhcp pool dados

Router(dhcp-config)#network 192.168.2.0 255.255.255.0

Router(dhcp-config)#default-router 192.168.2.1

Router(dhcp-config)#exit

Router(config)#

c)- Configurando o Call Manager

Router>

Router>en

Router#

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#

Router(config)#telephony-service

Router(config-telephony)#max-dn 9

Router(config-telephony)#max-ephones 9

Router(config-telephony)#ip source-address 192.168.1.1 port 2000

Router(config-telephony)#auto assign 1 to 9

Router(config-telephony)#exit

Router(config)#ephone-dn 1

Router(config-ephone-dn)#%LINK-3-UPDOWN: Interface ephone_dsp DN 1.1, changed state to up

Router(config-ephone-dn)#number 001

Router(config-ephone-dn)#ephone-dn 2

Router(config-ephone-dn)#%LINK-3-UPDOWN: Interface ephone_dsp DN 2.1, changed state to up

Router(config-ephone-dn)#number 002

Router(config-ephone-dn)#ephone-dn 3

Router(config-ephone-dn)#%LINK-3-UPDOWN: Interface ephone_dsp DN 3.1, changed state to up

Router(config-ephone-dn)#number 003

Router(config-ephone-dn)#ephone-dn 4

Router(config-ephone-dn)#%LINK-3-UPDOWN: Interface ephone_dsp DN 4.1, changed state to up

Router(config-ephone-dn)#number 004

Router(config-ephone-dn)#ephone-dn 5

Router(config-ephone-dn)#%LINK-3-UPDOWN: Interface ephone_dsp DN 5.1, changed state to up

Router(config-ephone-dn)#number 005

Router(config-ephone-dn)#

Router(config-ephone-dn)#exit