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Comandos utilizados no trabalho	
Nomear e criar VLANs	
	enable
	conf t
	vlan 4
	name v004
	exit
	vlan 5
	name v005
	exit
	vlan 3
	name salaTI
	exit
	vlan 6
	name v006
	exit
	vlan 7
	name v007
	exit
	vlan 8
	name v008
	exit
	vlan 9
	name v009
	exit
	interface g1/0/1
	no shutdown
	switchport mode access
	switchport access vlan 9
	exit
	interface g1/0/2
	no shutdown
	switchport mode access
	switchport access vlan 9
	exit
	interface g1/0/3
	no shutdown
	switchport mode access
	switchport access vlan 8
	exit
	interface g1/0/4
	no shutdown
	switchport mode access

```
switchport access vlan 8
exit
interface g1/0/5
no shutdown
switchport mode access
switchport access vlan 7
exit
interface g1/0/6
no shutdown
switchport mode access
switchport access vlan 7
exit
interface g1/0/7
no shutdown
switchport mode access
switchport access vlan 6
exit
interface g1/0/8
no shutdown
switchport mode access
switchport access vlan 6
exit
interface g 1/0/9
no shutdown
switchport mode access
switchport access vlan 3
exit
interface g1/0/10
no shutdown
switchport mode access
switchport access vlan 5
exit
interface gigabitEthernet 1/0/11
no shutdown
switchport mode access
switchport access vlan 5
exit
interface g1/0/12
no shutdown
switchport mode access
switchport access vlan 4
exit
interface g1/0/13
no shutdown
switchport mode access
switchport access vlan 4
```

	exit
Configurar em modo trunk a interface conectada ao roteador	
	int g1/0/24
	no shutdown
	switchport trunk encapsulation dot1q
	switchport mode trunk
	end
	write
Configurações Switchs	
VLAN 9	
	enable
	config t
	int gig0/1
	switchport mode access
	switchport access vlan 9
	int gig0/2
	switchport mode access
	switchport access vlan 9
	int fa0/1
	switchport mode access
	switchport access vlan 9
	int fa0/2
	switchport mode access
	switchport access vlan 9
	end
	write
VLAN 8	
	enable
	config t
	int gig0/1
	switchport mode access
	switchport access vlan 8
	int gig0/2
	switchport mode access
	switchport access vlan 8
	int fa0/1
	switchport mode access
	switchport access vlan 8
	int fa0/2
	switchport mode access
	switchport access vlan 8
	end
	write
VLAN 7	
	enable
	config t

```
int gig0/1
switchport mode access
switchport access vlan 7
int gig0/2
switchport mode access
switchport access vlan 7
int fa0/1
switchport mode access
switchport access vlan 7
int fa0/2
switchport mode access
switchport access vlan 7
end
write
```

VLAN 6

```
enable
config t
int gig0/1
switchport mode access
switchport access vlan 6
int gig0/2
switchport mode access
switchport access vlan 6
int fa0/1
switchport mode access
switchport access vlan 6
int fa0/2
switchport mode access
switchport access vlan 6
end
write
```

VLAN 3

```
enable
config t
int gig0/1
switchport mode access
switchport access vlan 3
int fa0/1
switchport mode access
switchport access vlan 3
end
write
```

VLAN 5

```
enable
config t
int gig0/1
```

```
switchport mode access
switchport access vlan 5
int gig0/2
switchport mode access
switchport access vlan 5
int fa0/1
switchport mode access
switchport access vlan 5
int fa0/2
switchport mode access
switchport access vlan 5
end
write
```

VLAN 4

```
enable
config t
int gig0/1
switchport mode access
switchport access vlan 4
int gig0/2
switchport mode access
switchport access vlan 4
int fa0/1
switchport mode access
switchport access vlan 4
int fa0/2
switchport mode access
switchport access vlan 4
end
write
```

Configuração roteador sala de equipamentos

```
en
conf t
int g0/0
no shut
exit
int se0/0/0
no shutdown
ip add 192.168.200.2 255.255.255.252
clock rate 500000
int g0/0.4
encapsulation dot1Q 4
ip add 10.200.4.1 255.255.255.0
int g0/0.5
encapsulation dot1Q 5
ip add 10.200.5.1 255.255.255.0
```

```
int g0/0.3
encapsulation dot1Q 3
ip add 10.200.3.1 255.255.255.0
int g0/0.6
encapsulation dot1Q 6
ip add 10.200.6.1 255.255.255.0
int g0/0.7
encapsulation dot1Q 7
ip add 10.200.7.1 255.255.255.0
int g0/0.8
encapsulation dot1Q 8
ip add 10.200.8.1 255.255.255.0
int g0/0.9
encapsulation dot1Q 9
ip add 10.200.9.1 255.255.255.0
exit
ip dhcp excluded-address 10.200.4.1
ip dhcp excluded-address 10.200.5.1
ip dhcp excluded-address 10.200.3.1
ip dhcp excluded-address 10.200.6.1
ip dhcp excluded-address 10.200.7.1
ip dhcp excluded-address 10.200.8.1
ip dhcp excluded-address 10.200.9.1
ip dhcp excluded-address 192.168.200.2
ip dhcp pool v004
network 10.200.4.0 255.255.255.0
default-router 10.200.4.1
exit
ip dhcp pool v005
network 10.200.5.0 255.255.255.0
default-router 10.200.5.1
exit
ip dhcp pool salaTI
network 10.200.3.0 255.255.255.0
default-router 10.200.3.1
exit
ip dhcp pool v006
network 10.200.6.0 255.255.255.0
default-router 10.200.6.1
exit
ip dhcp pool v007
network 10.200.7.0 255.255.255.0
default-router 10.200.7.1
exit
ip dhcp pool v008
network 10.200.8.0 255.255.255.0
```

```
default-router 10.200.8.1
exit
ip dhcp pool v009
network 10.200.9.0 255.255.255.0
default-router 10.200.9.1
exit
router ospf 10
network 10.200.4.0 0.0.0.255 area 0
network 10.200.5.0 0.0.0.255 area 0
network 10.200.3.0 0.0.0.255 area 0
network 10.200.6.0 0.0.0.255 area 0
network 10.200.7.0 0.0.0.255 area 0
network 10.200.8.0 0.0.0.255 area 0
network 10.200.9.0 0.0.0.255 area 0
network 192.168.200.0 0.0.0.3 area 0
end
write
en
copy run start
```

Configuração roteador Bloco S

```
en
config t
int se0/0/0
no shutdown
ip add 192.168.200.1 255.255.255.252
clock rate 500000
exit
int se0/1/0
no shutdown
ip add 192.168.200.5 255.255.255.252
clock rate 500000
exit
int se0/0/1
no shutdown
ip add 192.168.200.10 255.255.255.252
clock rate 500000
exit
int se0/1/1
no shutdown
ip add 200.134.200.1 255.255.255.252
clock rate 500000
exit
int gig0/0
no shutdown
ip add 10.200.0.1 255.255.255.0
exit
```

```
ip dhcp excluded-address 192.168.200.1
ip dhcp excluded-address 192.168.200.5
ip dhcp excluded-address 192.168.200.10
ip dhcp excluded-address 200.134.200.1
ip dhcp excluded-address 10.200.0.1
ip dhcp pool blocos
network 10.200.0.0 255.255.255.0
default-router 10.200.0.1
exit
router ospf 10
network 10.200.0.0 0.0.0.255 area 0
network 192.168.200.0 0.0.0.3 area 0
network 192.168.200.8 0.0.0.3 area 0
network 192.168.200.4 0.0.0.3 area 0
network 200.134.200.0 0.0.0.3 area 0
end
write
en
copy run start
```

Configuração roteador Internet

```
en
config t
int se0/0/0
no shutdown
ip add 200.134.200.2 255.255.255.252
clock rate 500000
exit
router ospf 10
network 200.134.200.0 0.0.0.3 area 0
end
w
copy run start
```

Configuração roteador Bloco M

```
en
config t
int se0/0/0
no shutdown
ip add 192.168.200.6 255.255.255.252
clock rate 500000
exit
int gig0/0
no shutdown
ip add 10.200.1.1 255.255.255.0
exit
ip dhcp excluded-address 192.168.200.6
ip dhcp excluded-address 10.200.1.1
```

```
ip dhcp pool blocom
network 10.200.1.0 255.255.255.0
default-router 10.200.1.1
exit
router ospf 10
network 10.200.1.0 0.0.0.255 area 0
network 192.168.200.4 0.0.0.3 area 0
end
write
en
copy run start
```

Configuração roteador Bloco Z

```
en
config t
int se0/0/0
no shutdown
ip add 192.168.200.9 255.255.255.252
clock rate 500000
exit
int gig0/0
no shutdown
ip add 10.200.2.1 255.255.255.0
exit
ip dhcp excluded-address 192.168.200.9
ip dhcp excluded-address 10.200.2.1
ip dhcp pool blocoz
network 10.200.2.0 255.255.255.0
default-router 10.200.2.1
exit
router ospf 10
network 10.200.2.0 0.0.0.255 area 0
network 192.168.200.8 0.0.0.3 area 0
end
write
en
copy run start
```