

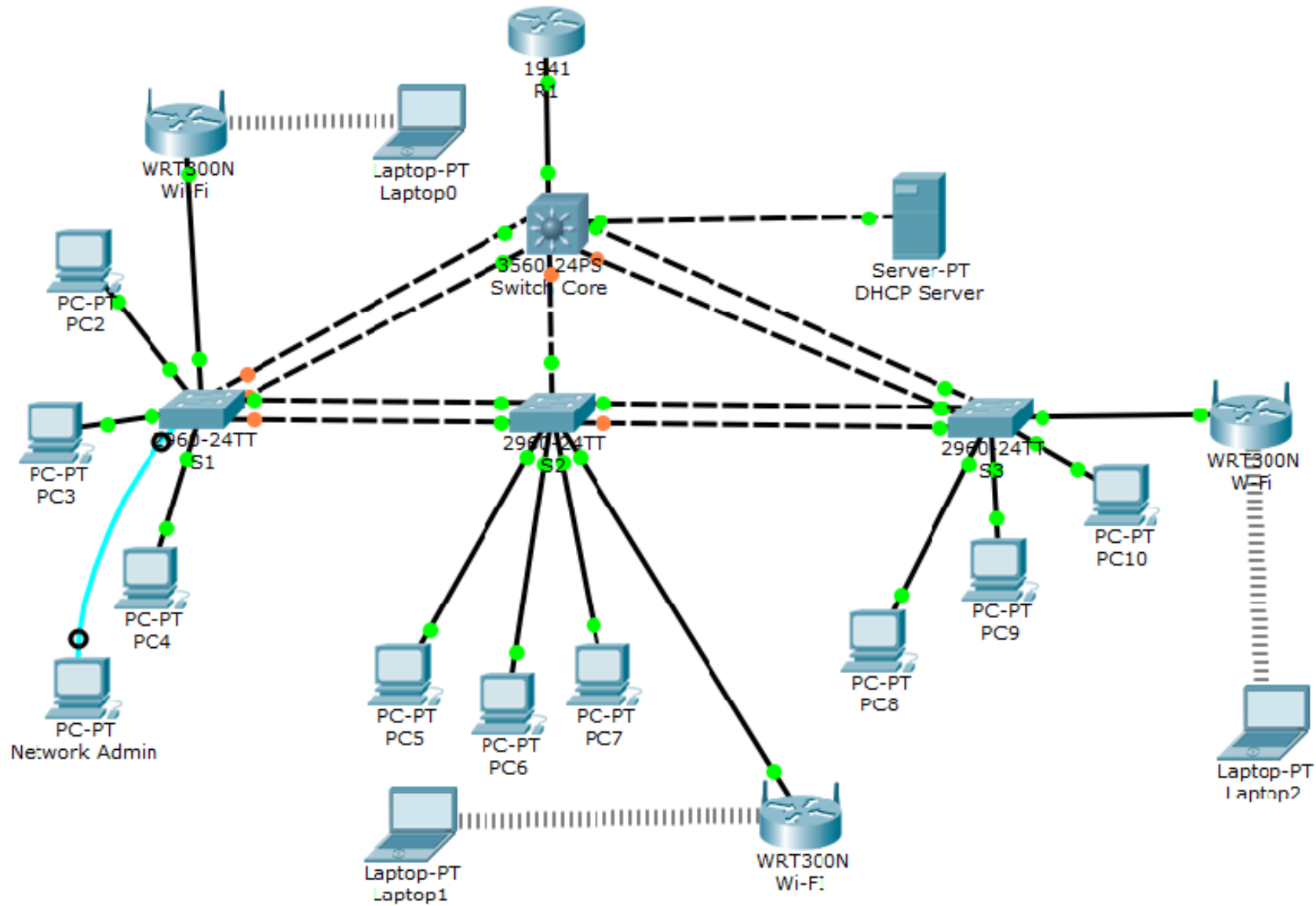
**FACULDADE DE ENGENHARIA
DEPARTAMENTO DE ENGENHARIA ELECTROTÉCNICA
LICENCIATURA EM ENGENHARIA INFORMÁTICA
REDES DE COMPUTADORES II**

TEMA: Configuração Core-Switch

Grupo Docente:

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Topologia



Configuração do Switch Core

ip routing :Activa o reamento no Switch

spanning-tree mode pvst

Interface range FastEthernet0/1-5

switchport trunk allowed vlan all

switchport trunk encapsulation dot1q

switchport mode trunk

Configurando a VLAN do Servidor

interface gigabitEthernet 0/1

switchport access vlan 100

Switchport mode access

Desabilitar a Vlan1

interface Vlan1

no ip address

shutdown

Configuração as Interfaces das VLANs (Core Switch)

interface Vlan10

ip address 192.168.10.254 255.255.255.0

ip helper-address 192.168.100.100

interface Vlan20

ip address 192.168.20.254 255.255.255.0

ip helper-address 192.168.100.100

interface Vlan30

ip address 192.168.30.254 255.255.255.0

ip helper-address 192.168.100.100

interface Vlan88

ip address 192.168.88.254 255.255.255.0

ip helper-address 192.168.100.100

VLAN de Gestao

interface Vlan99

ip address 192.168.99.254 255.255.255.0

VLAN do Servidor

interface Vlan100

ip address 192.168.100.254 255.255.255.0

Configuração do Servidor

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.100.100

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.100.254

DNS Server:

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:C7FF:FE57:D27D

IPv6 Gateway:

IPv6 DNS Server:

Obs: Este endereço estático é o endereço do *Helper* (Serve para indicar o servidor do DHCP)

Configuração do Serviço DHCP

Physical Config **Services** Desktop Attributes Software/Services

SERVICES ^

- HTTP
- DHCP**
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoE
- VM Management

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

Start IP Address : 192 168 100 0

Subnet Mask: 255 255 255 0

Maximum number of Users : 512

TFTP Server: 0.0.0.0

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server
Rede20	192.168.20.254	192.168.100.100	192.168.20.0	255.255.255.0	256	0.0.0.0
Rede88	192.168.88.254	192.168.100.100	192.168.88.0	255.255.255.0	256	0.0.0.0
Rede30	192.168.30.254	192.168.100.100	192.168.30.0	255.255.255.0	256	0.0.0.0
Rede10	192.168.10.254	192.168.100.100	192.168.10.0	255.255.255.0	256	0.0.0.0
serverPool	0.0.0.0	0.0.0.0	192.168.100.0	255.255.255.0	512	0.0.0.0

Configurações finais

- Configurar as VALNS nos *Switchs* de distribuição
- Configurar todos os aspectos de segurança
- Configurar as Portas troncos
- Configurar as portas de Acesso
- Efectuar os testes de conectividade

Questões de reflexão

Bibliografia consultada

- ▶ Larry L. Peterson and Bruce S. Davie – Computer Network a system approach 5th Edition
- ▶ Tanenbaum A. S. and Wetherall D. J. - *Computer networks* 5th Edition.
- ▶ Mário Vestias Redes - Cisco para profissionais - 6ª Edição
- ▶ Adaptado do Professor Doutor Lourino Chemane

OBRIGADO !!!