

Documentação – Trabalho 1

Práticas de Endereçamento/Roteamento

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Link para vídeo 1: https://drive.google.com/file/d/1zmLhZmL-W_FB5Qz_S0d5UJmCyqUiSUCN/view?usp=sharing

Link para vídeo 2:
https://drive.google.com/file/d/1BkCCacKT_27eR7oGht3gfjPPED2pJGbs/view?usp=sharing

Topologia 1

Tabela de Endereçamento				
Dispositivo	Interface	IPv4	Máscara de subrede	IPv4 Gateway
		IPv6 / Prefixo (GUA)		IPv6 Gateway
		IPv6 / Prefixo (LLA)		
PC0	NIC	172.29.20.2	255.255.0.0	172.29.1.10
		2001:db8:acad::20:2/64		FE80::1:10
		EUI-64		
PC1	NIC	172.29.30.3	255.255.0.0	172.29.1.10
		2001:db8:acad::30:3/64		FE80::1:10
		EUI-64		
PC2	NIC	10.1.1.1	255.255.255.0	10.1.1.254
		2001:db8:acad:1::1/64		FE80:1::254
		EUI-64		
PC3	NIC	10.1.1.2	255.255.255.0	10.1.1.254
		2001:db8:acad:1::2/64		FE80:1::254
		EUI-64		
S1	SVI	172.29.1.253	255.255.0.0	172.29.1.10
S2	SVI	10.1.1.253	255.255.255.0	10.1.1.254

R1	Fa0/0	10.1.1.254	255.255.255.0	-----
		2001:db8:acad:2::254/64		-----
		FE80:1::254		-----
R1	Fa0/1	172.29.1.10	255.255.255.0	-----
		2001:db8:acad:1::1:10/64		-----
		FE80::1:10		-----

R1 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	172.29.0.0	255.255.0.0	----	Fa0/1
C	10.1.1.0	255.255.255.0	----	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo		Next Hop	Interface Saída
C	2001:db8:acad:1::/64		----	Fa0/1
C	2001:db8:acad:2::/64		----	Fa0/0

Topologia 2

Tabela de Endereçamento				
Dispositivo	Interface	IPv4	Máscara de subrede	IPv4 Gateway
		IPv6 / Prefixo (GUA)		IPv6 Gateway
		IPv6 / Prefixo (LLA)		
PC0	NIC	172.29.20.2	255.255.0.0	172.29.1.10
		2001:db8:acad::20:2/64		FE80::1:10
		EUI-64		
PC1	NIC	172.29.30.3	255.255.0.0	172.29.1.10
		2001:db8:acad::30:3/64		FE80::1:10
		EUI-64		
PC2	NIC	10.1.1.1	255.255.255.0	10.1.1.254
		2001:db8:acad:1::1/64		FE80:1::254
		EUI-64		
PC3	NIC	10.1.1.2	255.255.255.0	10.1.1.254

		2001:db8:acad:1::2/64		FE80:1::254
		EUI-64		
S1	SVI	172.29.1.253	255.255.0.0	172.29.1.10
S2	SVI	10.1.1.253	255.255.255.0	10.1.1.254
R1	Fa0/0	192.168.1.1	255.255.255.252	-----
		2001:db8:acad:ff00::1/64		-----
		EUI-64		-----
R1	Fa0/1	172.29.1.10	255.255.0.0	-----
		2001:db8:acad::1:10/64		-----
		FE80::1:10		-----
R2	Fa0/0	192.168.1.2	255.255.255.252	-----
		2001:db8:acad:ff00::2/64		-----
		EUI-64		-----
R2	Fa0/1	10.1.1.254	255.255.255.0	-----
		2001:db8:acad:1::254/64		-----
		FE80:1::254		-----

R1 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	172.29.0.0	255.255.0.0	----	Fa0/1
C	192.168.1.0	255.255.255.252	----	Fa0/0
S	10.1.1.0	255.255.255.0	192.168.1.2	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo		Next Hop	Interface Saída
C	2001:db8:acad::/64		----	Fa0/1
C	2001:db8:acad:ff00::/64		----	Fa0/0
S	2001:db8:acad:1::/64		2001:db8:acad:ff00::2	Fa0/0

R2 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	10.1.1.0	255.255.255.0	----	Fa0/1
C	192.168.1.0	255.255.255.252	----	Fa0/0
S	172.29.0.0	255.255.0.0	192.168.1.1	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo		Next Hop	Interface Saída

C	2001:db8:acad:1::/64	----	Fa0/1
C	2001:db8:acad:ff00::64	----	Fa0/0
S	2001:db8:acad::/64	2001:db8:acad:ff00::1	Fa0/0

Topologia 3:

Tabela de Endereçamento				
Dispositivo	Interface	IPv4	Máscara de subrede	IPv4 Gateway
		IPv6 / Prefixo (GUA)		IPv6 Gateway
		IPv6 / Prefixo (LLA)		
PC0	NIC	172.29.20.2	255.255.0.0	172.29.1.10
		2001:db8:acad::20:2/64		FE80::1:10
		EUI-64		
PC1	NIC	172.29.30.3	255.255.0.0	172.29.1.10
		2001:db8:acad::30:3/64		FE80::1:10
		EUI-64		
PC2	NIC	10.1.1.1	255.255.255.0	10.1.1.254
		2001:db8:acad:1::1/64		FE80:1::254
		EUI-64		
PC3	NIC	10.1.1.2	255.255.255.0	10.1.1.254
		2001:db8:acad:1::2/64		FE80:1::254
		EUI-64		
S1	SVI	172.29.1.253	255.255.0.0	172.29.1.10
S2	SVI	10.1.1.253	255.255.255.0	10.1.1.254
R1	Fa0/0	192.168.1.1	255.255.255.252	-----
		2001:db8:acad:ff01::1/64		-----
		EUI-64		-----
R1	Fa0/1	172.29.1.10	255.255.0.0	-----

		2001:db8:acad::1:10/64		----
		FE80::1:10		----
R2	Fa0/0	192.168.2.2	255.255.255.252	----
		2001:db8:acad:ff02::2/64		----
		EUI-64		----
R2	Fa0/1	10.1.1.254	255.255.255.0	----
		2001:db8:acad:1::254/64		----
		FE80:1::254		----
R3	Fa0/0	192.168.2.1	255.255.255.252	----
		2001:db8:acad:ff02::1/64		----
		EUI-64		----
R3	Fa0/1	192.168.1.2	255.255.255.252	----
		2001:db8:acad:ff01::2/64		----
		EUI-64		----

R1 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	172.29.0.0	255.255.0.0	----	Fa0/1
C	192.168.1.0	255.255.255.252	----	Fa0/0
S	192.168.2.0	255.255.255.252	192.168.1.2	Fa0/0
S	10.1.1.0	255.255.255.0	192.168.1.2	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo	Next Hop		Interface Saída
C	2001:db8:acad::/64	----		Fa0/1
C	2001:db8:acad:ff01::/64	----		Fa0/0
S	2001:db8:acad:ff02::/64	2001:db8:acad:ff01::2		Fa0/0
S	2001:db8:acad:1::/64	2001:db8:acad:ff01::2		Fa0/0

R2 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	10.1.1.0	255.255.255.0	----	Fa0/1
C	192.168.2.0	255.255.255.252	----	Fa0/0
S	192.168.1.0	255.255.255.252	192.168.2.1	Fa0/0
S	172.29.0.0	255.255.0.0	192.168.2.1	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo	Next Hop		Interface Saída
C	2001:db8:acad:1::/64	----		Fa0/1
C	2001:db8:acad:ff02::/64	----		Fa0/0

S	2001:db8:acad:ff01::/64	2001:db8:acad:ff02::1	Fa0/0
S	2001:db8:acad::/64	2001:db8:acad:ff02::1	Fa0/0

R3 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
S	10.1.1.0	255.255.255.0	192.168.2.2	Fa0/1
C	192.168.2.0	255.255.255.252	----	Fa0/0
C	192.168.1.0	255.255.255.252	----	Fa0/0
S	172.29.0.0	255.255.0.0	192.168.1.1	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo	Next Hop		Interface Saída
S	2001:db8:acad:1::/64	2001:db8:acad:ff02::2		Fa0/1
C	2001:db8:acad:ff02::/64	----		Fa0/0
C	2001:db8:acad:ff01::/64	----		Fa0/0
S	2001:db8:acad::/64	2001:db8:acad:ff01::1		Fa0/0

Topologia 4

Tabela de Endereçamento				
Dispositivo	Interface	IPv4	Máscara de subrede	IPv4 Gateway
		IPv6 / Prefixo (GUA)		IPv6 Gateway
		IPv6 / Prefixo (LLA)		
PC0	NIC	172.29.20.2	255.255.0.0	172.29.1.10
		2001:db8:acad::20:2/64		FE80::1:10
		EUI-64		
PC1	NIC	172.29.30.3	255.255.0.0	172.29.1.10
		2001:db8:acad::30:3/64		FE80::1:10
		EUI-64		
PC2	NIC	10.1.1.1	255.255.255.0	10.1.1.254
		2001:db8:acad:1::1/64		FE80:1::254
		EUI-64		
PC3	NIC	10.1.1.2	255.255.255.0	10.1.1.254
		2001:db8:acad:1::2/64		FE80:1::254
		EUI-64		
PC4	NIC	10.1.2.1	255.255.255.0	10.1.2.254
		2001:db8:acad:2::1/64		FE80:2::254

		EUI-64		
PC5	NIC	10.1.2.2	255.255.255.0	10.1.2.254
		2001:db8:acad:2::2/64		FE80:2::254
		EUI-64		
S1	SVI	172.29.1.253	255.255.0.0	172.29.1.10
S2	SVI	10.1.1.253	255.255.255.0	10.1.1.254
S3	SVI	10.1.2.253	255.255.255.0	10.1.2.254
R1	Fa0/0	192.168.1.1	255.255.255.252	----
		2001:db8:acad:ff00::1/64		----
		EUI-64		----
R1	Fa0/1	172.29.1.10	255.255.0.0	----
		2001:db8:acad::1:10/64		----
		FE80::1:10		----
R2	Fa0/0	192.168.1.2	255.255.255.252	----
		2001:db8:acad:ff00::2/64		----
		EUI-64		----
R2	Fa0/1	10.1.1.254	255.255.255.0	----
		2001:db8:acad:1::254/64		----
		FE80:2::254		----
R2	Fa1/0	10.1.2.254	255.255.255.0	----
		2001:db8:acad:2::254/64		----
		FE80:2::254		----

R1 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	172.29.0.0	255.255.0.0	----	Fa0/1
C	192.168.1.0	255.255.255.252	----	Fa0/0
S	10.1.1.0	255.255.255.0	192.168.1.2	Fa0/0

S	10.1.2.0	255.255.255.0	192.168.1.2	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo	Next Hop		Interface Saída
C	2001:db8:acad::/64	----		Fa0/1
C	2001:db8:acad:ff00::/64	----		Fa0/0
S	2001:db8:acad:1::/64	2001:db8:acad:ff00::2		Fa0/0
S	2001:db8:acad:2::/64	2001:db8:acad:ff00::2		Fa0/0

R2 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	10.1.1.0	255.255.255.0	----	Fa0/1
C	10.1.2.0	255.255.255.0	----	Fa1/0
C	192.168.1.0	255.255.255.252	----	Fa0/0
S	172.29.0.0	255.255.0.0	192.168.1.1	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo	Next Hop		Interface Saída
C	2001:db8:acad:1::/64	----		Fa0/1
C	2001:db8:acad:2::/64	----		Fa1/0
C	2001:db8:acad:ff00::/64	----		Fa0/0
S	2001:db8:acad::/64	2001:db8:acad:ff00::1		Fa0/0

Topologia 5

Tabela de Endereçamento				
Dispositivo	Interface	IPv4	Máscara de subrede	IPv4 Gateway
		IPv6 / Prefixo (GUA)		IPv6 Gateway
		IPv6 / Prefixo (LLA)		
PC0	NIC	172.29.20.2	255.255.0.0	172.29.1.10
		2001:db8:acad::20:2/64		FE80::1:10
		EUI-64		
PC1	NIC	172.29.30.3	255.255.0.0	172.29.1.10
		2001:db8:acad::30:3/64		FE80:1::10
		EUI-64		
PC2	NIC	10.1.1.1	255.255.255.0	10.1.1.254
		2001:db8:acad:1::1/64		FE80:1::254
		EUI-64		
PC3	NIC	10.1.1.2	255.255.255.0	10.1.1.254
		2001:db8:acad:1::2/64		FE80::1:254
		EUI-64		

PC4	NIC	10.1.2.1	255.255.255.0	10.1.2.254
		2001:db8:acad:2::1/64		FE80:2::254
		EUI-64		
PC5	NIC	10.1.2.2	255.255.255.0	10.1.2.254
		2001:db8:acad:2::2/64		FE80:2::254
		EUI-64		
S1	SVI	172.29.1.253	255.255.0.0	172.29.1.10
S2	SVI	10.1.1.253	255.255.255.0	10.1.1.254
S3	SVI	10.1.2.253	255.255.255.0	10.1.2.254
R1	Fa0/0	192.168.3.2	255.255.255.252	----
		2001:db8:acad:ff03::2/64		----
		EUI-64		----
R1	Fa0/1	192.168.1.1	255.255.255.252	----
		2001:db8:acad:ff01::1/64		----
		EUI-64		----
R1	Fa1/0	172.29.1.10	255.255.0.0	----
		2001:db8:acad::1:10/64		----
		FE80::1:10		----
R2	Fa0/0	192.168.1.2	255.255.255.252	----
		2001:db8:acad:ff01::2/64		----
		EUI-64		----
R2	Fa0/1	192.168.2.1	255.255.255.252	----
		2001:db8:acad:ff02::1/64		----
		EUI-64		----
R2	Fa1/0	10.1.1.254	255.255.255.0	----

		2001:db8:acad:1::254/64		----
		FE80:2::254		----
R3	Fa0/0	192.168.2.2	255.255.255.252	----
		2001:db8:acad:ff02::2/64		----
		EUI-64		----
R3	Fa0/1	192.168.3.1	255.255.255.252	----
		2001:db8:acad:ff03::1/64		----
		EUI-64		----
R3	Fa1/0	10.1.2.254	255.255.255.0	----
		2001:db8:acad:2::254/64		----
		FE80:2::254		----

R1 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	172.29.0.0	255.255.0.0	----	Fa0/1
C	192.168.1.0	255.255.255.252	----	Fa0/1
C	192.168.3.0	255.255.255.252	----	Fa0/0
S	10.1.1.0	255.255.255.0	192.168.1.2	Fa0/1
S	10.1.2.0	255.255.255.0	192.168.3.1	Fa0/0
S	192.168.2.0	255.255.255.252	192.168.3.1	Fa0/1
IPv6				
Tipo	Rede de Destino / Prefixo	Next Hop		Interface Saída
C	2001:db8:acad::/64	----		Fa0/1
C	2001:db8:acad:ff01::/64	----		Fa0/1
C	2001:db8:acad:ff03::/64	----		Fa0/0
S	2001:db8:acad:1::/64	2001:db8:acad:ff01::2		Fa0/1
S	2001:db8:acad:2::/64	2001:db8:acad:ff01::2		Fa0/0
S	2001:db8:acad:ff02::/64	2001:db8:acad:ff01::2		Fa0/0

R2 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	10.1.1.0	255.255.255.0	----	Fa1/0
C	192.168.2.0	255.255.255.252	----	Fa0/1
C	192.168.1.0	255.255.255.252	----	Fa0/0
S	172.29.0.0	255.255.0.0	192.168.1.1	Fa0/0
S	10.1.2.0	255.255.255.0	192.168.2.2	Fa0/1
S	192.168.3.0	255.255.255.252	192.168.2.2	Fa0/1
IPv6				
Tipo	Rede de Destino / Prefixo	Next Hop		Interface Saída
C	2001:db8:acad:1::/64	----		Fa1/0
C	2001:db8:acad:ff02::/64	----		Fa0/1
C	2001:db8:acad:ff01::/64	----		Fa0/0

S	2001:db8:acad::/64	2001:db8:acad:ff02::2	Fa0/0
S	2001:db8:acad:2::/64	2001:db8:acad:ff02::2	Fa0/1
S	2001:db8:acad:ff03::/64	2001:db8:acad:ff02::2	Fa0/1

R3 – Tabela de Roteamento				
IPv4				
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	10.1.2.0	255.255.255.0	----	Fa1/0
C	192.168.2.0	255.255.255.0	----	Fa0/0
C	192.168.3.0	255.255.255.252	----	Fa0/1
S	172.29.0.0	255.255.0.0	192.168.3.2	Fa0/1
S	10.1.1.0	255.255.255.0	192.168.2.1	Fa0/0
S	192.168.1.0	255.255.255.252	192.168.3.2	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo	Next Hop		Interface Saída
C	2001:db8:acad:2::/64	----		Fa1/0
C	2001:db8:acad:ff02::/64	----		Fa0/0
C	2001:db8:acad:ff03::/64	----		Fa0/1
S	2001:db8:acad::/64	2001:db8:acad:ff03::2		Fa0/1
S	2001:db8:acad:1::/64	2001:db8:acad:ff03::2		Fa0/0
S	2001:db8:acad:ff01::/64	2001:db8:acad:ff03::2		Fa0/1