

## Documentação – Trabalho 1

### Práticas de Endereçamento/Roteamento

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Link para vídeo 1:

<https://drive.google.com/file/d/1fKPzroClj2WUdDSkiorjveFmPAa-nxUE/view?usp=sharing>

Link para vídeo 2:

<https://drive.google.com/file/d/1O1d2ERKzsYEMfChLYLJLJe-Kp3d8IUfs/view?usp=sharing>

### Topologia 1

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:1::254/64		-
		FE80:1::254		-
R1	Fa0/1	172.29.1.10	255.255.0.0	-
		2001:db8:acad::1:10/24		-
		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::/64		-	Fa0/1
C	2001:db8:acad:1::/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

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		-
		FE80:1::254		-

R1 – Tabela de Roteamento
IPv4

Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
C	172.20.0.0	255.255.0.0	0.0.0.0	Fa0/1
C	192.168.1.0	255.255.255.252	0.0.0.0	Fa0/0
S	10.1.1.0	255.255.255.0	192.168.1.0	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	192.168.1.0	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo	Next Hop		Interface Saída
C	2001:db8:acad:1::/64	-		Fa0/1
C	2001:db8:acad: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	-

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
C	192.168.1.0	255.255.252	-	Fa0/1
C	192.168.2.0	255.255.252	-	Fa0/0
S	172.29.0.0	255.255.0.0	192.168.1.1	Fa0/1

S	10.1.1.0	255.255.255.0	192.168.2.2	Fa0/0
IPv6				
Tipo	Rede de Destino / Prefixo	Next Hop		Interface Saída
C	2001:db8:acad:ff01::/64	-		Fa0/1
C	2001:db8:acad:ff02::/64	-		Fa0/0
S	2001:db8:acad::/64	2001:db8:acad:ff02::2		Fa0/1
S	2001:db8:acad:1::/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	0.0.0.0	Fa0/1
C	10.1.2.0	255.255.255.0	0.0.0.0	Fa1/0
C	192.168.1.0	255.255.255.252	0.0.0.0	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

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::1/64		-
		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	-

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::1:254		-
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	-	Fa1/0

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	192.168.1.2	Fa0/1
<b>IPv6</b>				
<b>Tipo</b>	<b>Rede de Destino / Prefixo</b>	<b>Next Hop</b>		<b>Interface Saída</b>
C	2001:db8:acad::/64	-		Fa1/0
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:ff03::1		Fa0/0
S	2001:db8:acad:ff02::/64	2001:db8:acad:ff01::2		Fa0/0

<b>R2 – Tabela de Roteamento</b>				
<b>IPv4</b>				
<b>Tipo</b>	<b>Rede de Destino</b>	<b>Máscara</b>	<b>Next Hop</b>	<b>Interface Saída</b>
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
<b>IPv6</b>				
<b>Tipo</b>	<b>Rede de Destino / Prefixo</b>	<b>Next Hop</b>		<b>Interface Saída</b>
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:ff01::1		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

<b>R3 – Tabela de Roteamento</b>				
<b>IPv4</b>				
<b>Tipo</b>	<b>Rede de Destino</b>	<b>Máscara</b>	<b>Next Hop</b>	<b>Interface Saída</b>
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	Fa0/1
<b>IPv6</b>				

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:ff02::1	Fa0/0
S	2001:db8:acad:ff01::/64	2001:db8:acad:ff03::2	Fa0/1