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Curso de Engenharia de Computação





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				
		Tabela de Endere	çamento			
		IPv4	Máscara de subrede	IPv4 Gateway		
Dispositivo	Interface	IPv6 / Pre	fixo (GUA)	IDv6 Cataway		
		IPv6 / Pre	fixo (LLA)	- IPv6 Gateway		
		172.29.20.2	255.255.0.0	172.29.1.10		
PC0	NIC	2001:db8:a	cad::20:2/64	FE80::1:10		
		EU	I-64	1 200		
		172.29.30.3	255.255.0.0	172.29.1.10		
PC1	NIC	2001:db8:acad::30:3/64		FE80::1:10		
		EU	I-64	1 2001.10		
		10.1.1.1	255.255.255.0	10.1.1.254		
PC2	NIC	2001:db8:acad:1::1/64		2001:db8:acad:1::1/64		
		EUI-64		FE80:1::254		
		10.1.1.2	255.255.255.0	10.1.1.254		
PC3	NIC	2001:db8:acad:1::2/64				
		EU	I-64	FE80:1::254		
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		

		10.1.1.254	255.255.255.0	
R1	Fa0/0	2001:db8:ac		
		FE80:	1::254	
		172.29.1.10	255.255.255.0	
R1	Fa0/1	2001:db8:aca	ad:1::1:10/64	
		FE80	::1:10	

	R1 – Ta	abela de	Rotea	mento	
		IΡν	/4		
Tipo	Rede de Destino	Más	cara	Next Hop	Interface Saída
C	172.29.0.0	255.2	55.0.0		Fa0/1
С	10.1.1.0	255.25	5.255.0		Fa0/0
		IΡν	76		
Tipo	Rede de Destino /	Prefixo		Next Hop	Interface Saída
С	2001:db8:acad:1::/6	4			Fa0/1
С	2001:db8:acad:2::/	64			Fa0/0

		Tabela de Endere	eçamento	
		IPv4	Máscara de subrede	IPv4 Gateway
Dispositivo	Interface	IPv6 / Pre	fixo (GUA)	IDv6 Catoway
		IPv6 / Pre	fixo (LLA)	IPv6 Gateway
		172.29.20.2	255.255.0.0	172.29.1.10
PC0	NIC	2001:db8:acad::20:2/64		FE80::1:10
		EUI-64		1 200
		172.29.30.3	255.255.0.0	172.29.1.10
PC1	NIC	2001:db8:acad::30:3/64		FE80::1:10
		EUI-64		1 2001.10
		10.1.1.1	255.255.255.0	10.1.1.254
PC2	NIC	2001:db8:a	acad:1::1/64	FE80:1::254
		EUI-64		1 200.1204
PC3	NIC	10.1.1.2	255.255.255.0	10.1.1.254

		2001:db8:	acad:1::2/64	FE80:1::254
		EU	JI-64	1 L00.1234
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
		192.168.1.1	255.255.255.252	
R1	Fa0/0	2001:db8:a	cad:ff00::1/64	
		EU		
	Fa0/1	172.29.1.10	255.255.0.0	
R1		2001:db8:a		
		FE80::1:10		
		192.168.1.2	255.255.255.252	
R2	Fa0/0	2001:db8:a		
		EUI-64		
		10.1.1.254	255.255.255.0	
R2	Fa0/1	2001:db8:a	cad:1::254/64	
		FE80:1::254		

	R1 – T	abela d	e Roteam	nento	
		IP	v4		
Tipo	Rede de Destino	Más	cara	Next Hop	Interface Saída
C	172.29.0.0	255.2	55.0.0		Fa0/1
С	192.168.1.0	255.255	.255.252		Fa0/0
S	10.1.1.0	255.25	5.255.0	192.168.1.2	Fa0/0
		IP	v6		
Tipo	Rede de Destino /	Prefixo		Next Hop	Interface Saída
C	2001:db8:acad::/	64			Fa0/1
С	2001:db8:acad:ff00	::/64			Fa0/0
S	2001:db8:acad:1::	/64	2001	:db8:acad:ff00::2	Fa0/0

	R2 – T	abela de Rotea	mento	
		IPv4		
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída
С	10.1.1.0	255.255.255.0		Fa0/1
С	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

	С	2001:db8:acad:1::/64		Fa0/1
Г	С	2001:db8:acad:ff00::64		Fa0/0
Г	S	2001:db8:acad::/64	2001:db8:acad:ff00::1	Fa0/0

Topologia 3:

		Tabela de Endere			
Dispositivo	Interface	IPv4	Máscara de subrede	IPv4 Gateway	
		IPv6 / Pre	fixo (GUA)	IDvC Catavian	
		IPv6 / Pre	fixo (LLA)	IPv6 Gateway	
		172.29.20.2	255.255.0.0	172.29.1.10	
PC0	NIC	2001:db8:a	cad::20:2/64	FF904.40	
		EU	I-64	FE80::1:10	
		172.29.30.3	255.255.0.0	172.29.1.10	
PC1	NIC	2001:db8:acad::30:3/64		FE00 4 40	
		EU	I-64	FE80::1:10	
		10.1.1.1	255.255.255.0	10.1.1.254	
PC2	NIC	2001:db8:a	ıcad:1::1/64		
		EU	FE80:1::254		
		10.1.1.2	255.255.255.0	10.1.1.254	
PC3	NIC	2001:db8:a	icad:1::2/64		
		EU	I-64	FE80:1::254	
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	
		192.168.1.1	255.255.255.252		
R1	Fa0/0	2001:db8:ac	ad:ff01::1/64		
		EUI-64			
R1	Fa0/1	172.29.1.10	255.255.0.0		

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

	R1 – T	abela de	Roteam	ento	
		ΙΡν	4		
Tipo	Rede de Destino	Máso	cara	Next Hop	Interface Saída
Č	172.29.0.0	2.29.0.0 255.255.0.0			Fa0/1
С	192.168.1.0	255.255.2	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	5.255.0	192.168.1.2	Fa0/0
	<u> </u>	ΙΡν	6		
Tipo	Rede de Destino /	Prefixo	N	lext Hop	Interface Saída
Č	2001:db8:acad::/6	64			Fa0/1
С	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

C	200 1.000.acau.ii0 i	/04			Fa0/0
S	2001:db8:acad:ff02	2::/64	200	1:db8:acad:ff01::2	Fa0/0
S	2001:db8:acad:1:	:/64	200	1:db8:acad:ff01::2	Fa0/0
	R2 – T	Tabela de	e Rotear	mento	
		ΙΡ			
Тіро	Rede de Destino	Máscara		Next Hop	Interface Saída
C	10.1.1.0	255.255.255.0			Fa0/1
С	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	255.2	55.0.0	192.168.2.1	Fa0/0
		ΙΡ	v6		
Гіро	Rede de Destino /	' Prefixo		Next Hop	Interface Saída
С	2001:db8:acad:1::				Fa0/1
С	2001:db8:acad:ff02	2::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						
		IPv	4				
Tipo	Rede de Destino	Máso	ara	Next Hop	Interface Saída		
S	10.1.1.0	255.255	.255.0	192.168.2.2	Fa0/1		
С	192.168.2.0	255.255.2	255.252		Fa0/0		
С	192.168.1.0	255.255.2	255.252		Fa0/0		
S	172.29.0.0	255.25	5.0.0	192.168.1.1	Fa0/0		
		IPv	6				
Tipo	Rede de Destino /	Prefixo	1	Next Hop	Interface Saída		
S	2001:db8:acad:1:	:/64	2001:	db8:acad:ff02::2	Fa0/1		
С	2001:db8:acad:ff02	2::64			Fa0/0		
С	2001:db8:acad:ff01	::/64			Fa0/0		
S	2001:db8:acad::/	/64	2001:	db8:acad:ff01::1	Fa0/0		

Tabela de Endereçamento					
		IPv4	Máscara de subrede	IPv4 Gateway	
Dispositivo	Interface	IPv6 / Pre	fixo (GUA)	IPv6 Cotowov	
		IPv6 / Pre	fixo (LLA)	- IPv6 Gateway	
		172.29.20.2	255.255.0.0	172.29.1.10	
PC0	NIC	2001:db8:a	cad::20:2/64	FE80::1:10	
		EU	I-64	. 230	
		172.29.30.3	255.255.0.0	172.29.1.10	
PC1	NIC	2001:db8:a	FE80::1:10		
		EU			
		10.1.1.1	255.255.255.0	10.1.1.254	
PC2	NIC	2001:db8:a	FE80:1::254		
		EU	FE0U.1234		
		10.1.1.2	255.255.255.0	10.1.1.254	
PC3	NIC	2001:db8:acad:1::2/64		FF00.4.054	
		EUI-64		FE80:1::254	
DC4	NIIO	10.1.2.1	255.255.255.0	10.1.2.254	
PC4	NIC 2001:db8		ıcad:2::1/64	FE80:2::254	

		EU		
		10.1.2.2	255.255.255.0	10.1.2.254
PC5	NIC	2001:db8:	acad:2::2/64	FE80:2::254
		EU	JI-64	FE00.2234
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
		192.168.1.1	255.255.255.252	
R1	Fa0/0	2001:db8:a	cad:ff00::1/64	
		EU		
		172.29.1.10	255.255.0.0	
R1	Fa0/1	2001:db8:a		
		FE80		
		192.168.1.2	255.255.255.252	
R2	Fa0/0	2001:db8:acad:ff00::2/64		
		EUI-64		
		10.1.1.254	255.255.255.0	
R2	Fa0/1	2001:db8:a	cad:1::254/64	
		FE80	:2::254	
		10.1.2.254	255.255.255.0	
R2	Fa1/0	2001:db8:a	2001:db8:acad:2::254/64	
		FE80		

R1 - Tabela de Roteamento							
	IPv4						
Tipo	Rede de Destino	Máscara	Next Hop	Interface Saída			
С	172.29.0.0	255.255.0.0		Fa0/1			
С	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 / Pre	fixo	Next Hop	Interface Saída
C	2001:db8:acad::/64			Fa0/1
С	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						
		ΙΡν	14				
Tipo	Rede de Destino	Máso	cara	Next Hop	Interface Saída		
C	10.1.1.0	255.255	5.255.0		Fa0/1		
С	10.1.2.0	255.255	5.255.0		Fa1/0		
С	192.168.1.0	255.255.255.252			Fa0/0		
S	172.29.0.0	255.25	55.0.0	192.168.1.1	Fa0/0		
		ΙΡν	76				
Tipo	Rede de Destino /	Prefixo	1	Next Hop	Interface Saída		
Č	2001:db8:acad:1::	/64			Fa0/1		
С	2001:db8:acad:2::	64			Fa1/0		
С	2001:db8:acad:ff00	::/64			Fa0/0		
S	2001:db8:acad::/6	64	2001:	:db8:acad:ff00::1	Fa0/0		

Tabela de Endereçamento					
		IPv4	Máscara de subrede	IPv4 Gateway	
Dispositivo	Interface	IPv6 / Pre	fixo (GUA)	IPv6 Gateway	
		IPv6 / Pre	fixo (LLA)	IPVO Galeway	
		172.29.20.2	255.255.0.0	172.29.1.10	
PC0	NIC	2001:db8:a	cad::20:2/64	FE80::1:10	
		EU	I-64	FE001.10	
		172.29.30.3	255.255.0.0	172.29.1.10	
PC1	NIC	2001:db8:acad::30:3/64		FF00:4::40	
		EUI-64		FE80:1::10	
		10.1.1.1	255.255.255.0	10.1.1.254	
PC2	NIC	2001:db8:a	FE80:1::254		
		EU			
		10.1.1.2	255.255.255.0	10.1.1.254	
PC3	NIC	2001:db8:acad:1::2/64			
		EU	I-64	FE80::1:254	

		10.1.2.1	255.255.255.0	10.1.2.254
PC4	NIC	2001:db8:	acad:2::1/64	
	-	El	JI-64	FE80:2::254
		10.1.2.2	255.255.255.0	10.1.2.254
PC5	NIC	2001:db8:	acad:2::2/64	
	-	El	JI-64	FE80:2::254
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
		192.168.3.2	255.255.255.252	
R1	Fa0/0	2001:db8:a		
		El		
		192.168.1.1	255.255.255.252	
R1	Fa0/1	2001:db8:a		
		El		
		172.29.1.10	255.255.0.0	
R1	Fa1/0	2001:db8:a		
		FE8		
		192.168.1.2	255.255.255.252	
R2	Fa0/0	2001:db8:a	cad:ff01::2/64	
		E	JI-64	
		192.168.2.1	255.255.255.252	
R2	Fa0/1	2001:db8:a	cad:ff02::1/64	
		E		
R2	Fa1/0	10.1.1.254	255.255.255.0	

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

	R1 – 1	Гabela d	e Roteam	ento				
	IPv4							
Tipo	Rede de Destino	Más	cara	Next Hop	Interface Saída			
C	172.29.0.0	255.2	255.0.0		Fa0/1			
С	192.168.1.0	255.255	5.255.252		Fa0/1			
С	192.168.3.0	255.255	5.255.252		Fa0/0			
S	10.1.1.0	255.25	5.255.0	192.168.1.2	Fa0/1			
S	10.1.2.0	255.25	5.255.0	192.168.3.1	Fa0/0			
S	192.168.2.0	255.255	5.255.252	192.168.3.1	Fa0/1			
		IP	v6					
Tipo	Rede de Destino /	Prefixo	ľ	Next Hop	Interface Saída			
Č	2001:db8:acad::	/64			Fa0/1			
С	2001:db8:acad:ff0 ⁻	1::/64			Fa0/1			
С	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	2::/64	2001:	:db8:acad:ff01::2	Fa0/0			

	R2 – Tabela de Roteamento						
		IPv	4				
Tipo	Rede de Destino	Másc	ara	Next Hop	Interface Saída		
C	10.1.1.0	255.255	.255.0		Fa1/0		
С	192.168.2.0	255.255.2	255.252		Fa0/1		
С	192.168.1.0	255.255.2	255.252		Fa0/0		
S	172.29.0.0	255.25	5.0.0	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	255.255.2	255.252	192.168.2.2	Fa0/1		
		IPv	6				
Tipo	Rede de Destino /	Prefixo		Next Hop	Interface Saída		
C	2001:db8:acad:1::,	[′] 64			Fa1/0		
С	2001:db8:acad:ff02	::/64			Fa0/1		
С	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			
С	192.168.2.0	255.255.255.0			Fa0/0			
С	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			
С	2001:db8:acad:ff02::/64				Fa0/0			
С	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			