

Trabalho Prática: Integração de habilidades – 2021/2

Documentação

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Link Vídeo 1: <https://youtu.be/KD6lxFr4lOQ>

Link Vídeo 2: <https://youtu.be/14pUvnA7Uuo>

Sub-Rede	IPv6	IPv4	
	Endereço da sub-rede / prefixo	Endereço da sub-rede	Máscara de sub-rede
Matriz	2001:DB8:ACAD:2200::/64	200.200.34.0	255.255.255.192
Filial 1	2001:DB8:ACAD:2201::/64	200.200.34.64	255.255.255.224
Filial 2	2001:DB8:ACAD:2202::/64	200.200.34.96	255.255.255.224
Filial 3	2001:DB8:ACAD:2203::/64	200.200.34.128	255.255.255.224
Filial 4	2001:DB8:ACAD:2204::/64	200.200.34.160	255.255.255.224
pb-vit	2001:DB8:ACAD:22FF::0/112	200.200.34.224	255.255.255.252
vit-fb	2001:DB8:ACAD:22FF::1/112	200.200.34.228	255.255.255.252
fb-ita	2001:DB8:ACAD:22FF::2/112	200.200.34.232	255.255.255.252
ita-pb	2001:DB8:ACAD:22FF::3/112	200.200.34.236	255.255.255.252
cv-ita	2001:DB8:ACAD:22FF::4/112	200.200.34.240	255.255.255.252

Quadro 1 – Sub-Redes

Tabela de Endereçamento				
Dispositivo	Interface	IPv4	Máscara de subrede	IPv4 Gateway
		IPv6 / Prefixo (GUA)		IPv6 Gateway
		IPv6 / Prefixo (LLA)		
PC1	NIC	200.200.34.3	255.255.255.192	200.200.34.1
		2001:DB8:ACAD:2200::3/64		FE80::1
		EUI-64		
PC2	NIC	200.200.34.4	255.255.255.192	200.200.34.1
		2001:DB8:ACAD:2200::4/64		FE80::1
		EUI-64		
PC3	NIC	200.200.34.67	255.255.255.224	200.200.34.65
		2001:DB8:ACAD:2201::3/64		FE80::1
		EUI-64		

PC4	NIC	200.200.34.68	255.255.255.224	200.200.34.65
		2001:DB8:ACAD:2201::4/64		FE80::1
		EUI-64		
PC5	NIC	200.200.34.99	255.255.255.224	200.200.34.97
		2001:DB8:ACAD:2202::3/64		FE80::1
		EUI-64		
PC6	NIC	200.200.34.100	255.255.255.224	200.200.34.97
		2001:DB8:ACAD:2202::4/64		FE80::1
		EUI-64		
Switch-Matriz	SVI	200.200.34.2	255.255.255.192	200.200.34.1
Switch-Filial1	SVI	200.200.34.66	255.255.255.224	200.200.34.65
Switch-Filial2	SVI	200.200.34.98	255.255.255.224	200.200.34.97
Roteador Pato Branco	Fa0/0	200.200.34.1	255.255.255.192	
		2001:DB8:ACAD:2200::1/64		
		FE80::1		
Roteador Pato Branco	Se0/0/0	200.200.34.225	255.255.255.252	
		2001:DB8:ACAD:22FF::0:1/112		
		EUI-64		
Roteador Pato Branco	Se0/0/1	200.200.34.238	255.255.255.252	
		2001:DB8:ACAD:22FF::3:2/112		
		EUI-64		
Roteador Fco. Beltrão	Fa0/0	200.200.34.65	255.255.255.192	
		2001:DB8:ACAD:2201::1/64		
		FE80::1		
Roteador Fco. Beltrão	Se0/0/0	200.200.34.233	255.255.255.252	
		2001:DB8:ACAD:22FF::2:1/112		
		EUI-64		
Roteador Fco. Beltrão	Se0/0/1	200.200.34.230	255.255.255.252	
		2001:DB8:ACAD:22FF::1:2/112		
		EUI-64		
Roteador Vitorino	Se0/0/0	200.200.34.229	255.255.255.252	
		2001:DB8:ACAD:22FF::1:1/112		

		EUI-64	
Roteador Vitorino	Se0/0/1	200.200.34.226	255.255.255.252
		2001:DB8:ACAD:22FF::0:2/112	
		EUI-64	
Roteador Itapejara	Se0/0/0	200.200.34.237	255.255.255.252
		2001:DB8:ACAD:22FF::3:1/112	
		EUI-64	
Roteador Itapejara	Se0/0/1	200.200.34.234	255.255.255.252
		2001:DB8:ACAD:22FF::2:2/112	
		EUI-64	
Roteador Itapejara	Fa0/1	200.200.34.241	255.255.255.252
		2001:DB8:ACAD:22FF::4:1/112	
		EUI-64	
Roteador Coronel Vivida	Fa0/0	200.200.34.97	255.255.255.192
		2001:DB8:ACAD:2202::1/64	
		FE80::1	
Roteador Coronel Vivida	Fa0/1	200.200.34.242	255.255.255.252
		2001:DB8:ACAD:22FF::4:2/112	
		EUI-64	

Quadro 2 – Endereçamento dos dispositivos

Roteador Pato Branco			
IPv4			
Rede de Destino	Máscara	Next Hop	Interface de Saída
200.200.34.64	255.255.255.224	200.200.34.226	Se0/3/0
200.200.34.96	255.255.255.224	200.200.34.237	Se0/3/1
200.200.34.228	255.255.255.252	200.200.34.226	Se0/3/0
200.200.34.232	255.255.255.252	200.200.34.226	Se0/3/0
200.200.34.240	255.255.255.252	200.200.34.237	Se0/3/1
IPv6			
Rede de Destino/Prefixo	Next Hop		Interface de Saída
2001:db8:acad:2201::/64	2001:db8:acad:22ff::2		Se0/3/0
2001:db8:acad:2202::/64	2001:db8:acad:22ff::3:1		Se0/3/1
2001:db8:acad:22ff::1:0/112	2001:db8:acad:22ff::2		Se0/3/0
2001:db8:acad:22ff::2:0/112	2001:db8:acad:22ff::2		Se0/3/0
2001:db8:acad:22ff::4:0/112	2001:db8:acad:22ff::3:1		Se0/3/1

Quadro 3 – Tabela de Roteamento do Roteador Pato Branco

Roteador Francisco Beltrão			
IPv4			
Rede de Destino	Máscara	Next Hop	Interface de Saída

200.200.34.0	255.255.255.192	200.200.34.229	Se0/3/1
200.200.34.96	255.255.255.224	200.200.34.234	Se0/3/0
200.200.34.224	255.255.255.252	200.200.34.229	Se0/3/1
200.200.34.236	255.255.255.252	200.200.34.234	Se0/3/0
200.200.34.240	255.255.255.252	200.200.34.234	Se0/3/0
Roteador Francisco Beltrão			
Rede de Destino/Prefixo	Next Hop		Interface de Saída
2001:db8:acad:2200::/64	2001:db8:acad:22ff::1:1		Se0/3/1
2001:db8:acad:2202::/64	2001:db8:acad:22ff::2:2		Se0/3/0
2001:db8:acad:22ff::/112	2001:db8:acad:22ff::1:1		Se0/3/1
2001:db8:acad:22ff::3:0/112	2001:db8:acad:22ff::2:2		Se0/3/0
2001:db8:acad:22ff::4:0/112	2001:db8:acad:22ff::2:2		Se0/3/0

Quadro 4 – Tabela de Roteamento do Roteador Francisco Beltrão

Roteador Vitorino			
IPv4			
Rede de Destino	Máscara	Next Hop	Interface de Saída
200.200.34.0	255.255.255.192	200.200.34.225	Se0/3/1
200.200.34.64	255.255.255.224	200.200.34.230	Se0/3/0
200.200.34.96	255.255.255.224	200.200.34.225	Se0/3/1
200.200.34.232	255.255.255.252	200.200.34.230	Se0/3/0
200.200.34.236	255.255.255.252	200.200.34.225	Se0/3/1
200.200.34.240	255.255.255.252	200.200.34.225	Se0/3/1
IPv6			
Rede de Destino/Prefixo	Next Hop		Interface de Saída
2001:db8:acad:2200::/64	2001:db8:acad:22ff::1		Se0/3/1
2001:db8:acad:2201::/64	2001:db8:acad:22ff::1:2		Se0/3/0
2001:db8:acad:2202::/64	2001:db8:acad:22ff::1		Se0/3/1
2001:db8:acad:22ff::2:0/112	2001:db8:acad:22ff::1:2		Se0/3/0
2001:db8:acad:22ff::3:0/112	2001:db8:acad:22ff::1		Se0/3/1
2001:db8:acad:22ff::4:0/112	2001:db8:acad:22ff::1		Se0/3/1

Quadro 5 – Tabela de Roteamento do Roteador Vitorino

Roteador Itapejara D'Oeste			
IPv4			
Rede de Destino	Máscara	Next Hop	Interface de Saída
200.200.34.0	255.255.255.192	200.200.34.238	Se0/3/0
200.200.34.64	255.255.255.224	200.200.34.233	Se0/3/1
200.200.34.96	255.255.255.224	200.200.34.242	Fa0/1
200.200.34.224	255.255.255.252	200.200.34.238	Se0/3/0
200.200.34.228	255.255.255.252	200.200.34.233	Se0/3/1
IPv6			
Rede de Destino/Prefixo	Next Hop		Interface de Saída
2001:db8:acad:2200::/64	2001:db8:acad:22ff::3:2		Se0/3/0
2001:db8:acad:2201::/64	2001:db8:acad:22ff::2:1		Se0/3/1
2001:db8:acad:2202::/64	2001:db8:acad:22ff::4:2		Fa0/1
2001:db8:acad:22ff::/112	2001:db8:acad:22ff::3:2		Se0/3/0
2001:db8:acad:22ff::1:0/112	2001:db8:acad:22ff::2:1		Se0/3/1

Quadro 6 – Tabela de Roteamento do Roteador Itapejara D'Oeste

Roteador Coronel Vivida			
IPv4			
Rede de Destino	Máscara	Next Hop	Interface de Saída
200.200.34.0	255.255.255.192	200.200.34.241	Fa0/1
200.200.34.64	255.255.255.224	200.200.34.241	Fa0/1
200.200.34.224	255.255.255.252	200.200.34.241	Fa0/1
200.200.34.228	255.255.255.252	200.200.34.241	Fa0/1
200.200.34.232	255.255.255.252	200.200.34.241	Fa0/1
200.200.34.236	255.255.255.252	200.200.34.241	Fa0/1
IPv6			
Rede de Destino/Prefixo		Next Hop	Interface de Saída
2001:db8:acad:2200::/64		2001:db8:acad:22ff::4:1	Fa0/1
2001:db8:acad:2201::/64		2001:db8:acad:22ff::4:1	Fa0/1
2001:db8:acad:22ff::/112		2001:db8:acad:22ff::4:1	Fa0/1
2001:db8:acad:22ff::1:0/112		2001:db8:acad:22ff::4:1	Fa0/1
2001:db8:acad:22ff::2:0/112		2001:db8:acad:22ff::4:1	Fa0/1
2001:db8:acad:22ff::3:0/112		2001:db8:acad:22ff::4:1	Fa0/1

Quadro 7 – Tabela de Roteamento do Roteador Coronel Vivida

