

GRE Tunnels

Red	Local				Remote			
	Device	Int Name	Ctrl Plane Addr /30	Tunnel End Pt	Ctrl Plane Addr /30	Tunnel End Pt	Device	Int Name
	ES1	GRE1	10.1.1.1	192.168.1.2	10.1.1.2	192.168.1.4	VLSR1-PC	GRE1
	VLSR1-PC	GRE1	10.1.1.2	192.168.1.4	10.1.1.1	192.168.1.2	ES1	GRE1
	VLSR1-PC	GRE2	10.1.2.1	192.168.1.4	10.1.2.2	192.168.1.6	VLSR2-PC	GRE2
	VLSR1-PC	GRE3	10.1.3.1	192.168.1.4	10.1.3.2	192.168.1.8	VLSR3-PC	GRE3
	VLSR2-PC	GRE2	10.1.2.2	192.168.1.6	10.1.2.1	192.168.1.4	VLSR1-PC	GRE2
	VLSR2-PC	GRE4	10.1.4.1	192.168.1.6	10.1.4.2	192.168.1.8	VLSR3-PC	GRE4
	VLSR2-PC	GRE6	10.1.6.1	192.168.1.6	10.1.6.2	192.168.1.10	NARB	GRE6
	VLSR3-PC	GRE3	10.1.3.2	192.168.1.8	10.1.3.1	192.168.1.4	VLSR-1-PC	GRE3
	VLSR3-PC	GRE4	10.1.4.2	192.168.1.8	10.1.4.1	192.168.1.6	VLSR2-PC	GRE4
	VLSR3-PC	GRE5	10.1.5.1	192.168.1.8	10.1.5.2	192.168.1.9	ES2	GRE5
	ES2	GRE5	10.1.5.2	192.168.1.9	10.1.5.1	192.168.1.8	VLSR3-PC	GRE5
	NARB	GRE6	10.1.6.2	192.168.1.10	10.1.6.1	192.168.1.6	VLSR2-PC	GRE6
	VLSR3-PC	GRE11	10.1.11.1	192.168.1.8	10.1.11.2	192.168.2.4	Blue VLSR1-PC	GRE1
	VLSR3-PC	GRE14	10.4.14.2	192.168.1.8	10.4.14.1	192.168.4.8	Green VLSR3-PC	GRE1
	NARB	GRE21	10.1.21.1	192.168.1.10	10.1.21.2	192.168.2.10	Blue NARB	GRE2
	NARB	GRE24	10.4.24.2	192.168.1.10	10.4.24.1	192.168.4.10	Green NARB	GRE2

Blue	Local				Remote			
	Device	Int Name	Ctrl Plane Addr /30	Tunnel End Pt	Ctrl Plane Addr /30	Tunnel End Pt	Device	Int Name
	ES1	GRE1	10.2.1.1	192.168.2.2	10.2.1.2	192.168.2.4	VLSR1-PC	GRE1
	VLSR1-PC	GRE1	10.2.1.2	192.168.2.4	10.2.1.1	192.168.2.2	ES1	GRE1
	VLSR1-PC	GRE2	10.2.2.1	192.168.2.4	10.2.2.2	192.168.2.6	VLSR2-PC	GRE2
	VLSR1-PC	GRE3	10.2.3.1	192.168.2.4	10.2.3.2	192.168.2.8	VLSR3-PC	GRE3
	VLSR2-PC	GRE2	10.2.2.2	192.168.2.6	10.2.2.1	192.168.2.4	VLSR1-PC	GRE2
	VLSR2-PC	GRE4	10.2.4.1	192.168.2.6	10.2.4.2	192.168.2.8	VLSR3-PC	GRE4
	VLSR2-PC	GRE6	10.2.6.1	192.168.2.6	10.2.6.2	192.168.2.10	NARB	GRE6
	VLSR3-PC	GRE3	10.2.3.2	192.168.2.8	10.2.3.1	192.168.2.4	VLSR-1-PC	GRE3
	VLSR3-PC	GRE4	10.2.4.2	192.168.2.8	10.2.4.1	192.168.2.6	VLSR2-PC	GRE4
	VLSR3-PC	GRE5	10.2.5.1	192.168.2.8	10.2.5.2	192.168.2.9	ES2	GRE5
	ES2	GRE5	10.2.5.2	192.168.2.9	10.2.5.1	192.168.2.8	VLSR3-PC	GRE5
	NARB	GRE6	10.2.6.2	192.168.2.10	10.2.6.1	192.168.2.6	VLSR2-PC	GRE6
	VLSR1-PC	GRE11	10.1.11.2	192.168.2.4	10.1.11.1	192.168.1.8	Red VLSR3-PC	GRE1
	VLSR3-PC	GRE12	10.2.12.1	192.168.2.8	10.2.12.2	192.168.3.6	Yellow VLSR2-PC	GRE1
	NARB	GRE21	10.1.21.2	192.168.2.10	10.1.21.1	192.168.1.10	Red NARB	GRE2
	NARB	GRE22	10.2.22.1	192.168.2.10	10.2.22.2	192.168.3.10	Yellow NARB	GRE2

GRE Tunnels

Yellow	Local				Remote			
	Device	Int Name	Ctrl Plane Addr /30	Tunnel End Pt	Ctrl Plane Addr /30	Tunnel End Pt		
	ES1	GRE1	10.3.1.1	192.168.3.2	10.3.1.2	192.168.3.4	VLSR1-PC	GRE1
	VLSR1-PC	GRE1	10.3.1.2	192.168.3.4	10.3.1.1	192.168.3.2	ES1	GRE1
	VLSR1-PC	GRE2	10.3.2.1	192.168.3.4	10.3.2.2	192.168.3.6	VLSR2-PC	GRE2
	VLSR1-PC	GRE3	10.3.3.1	192.168.3.4	10.3.3.2	192.168.3.8	VLSR3-PC	GRE3
	VLSR2-PC	GRE2	10.3.2.2	192.168.3.6	10.3.2.1	192.168.3.4	VLSR1-PC	GRE2
	VLSR2-PC	GRE4	10.3.4.1	192.168.3.6	10.3.4.2	192.168.3.8	VLSR3-PC	GRE4
	VLSR2-PC	GRE6	10.3.6.1	192.168.3.6	10.3.6.2	192.168.3.10	NARB	GRE6
	VLSR3-PC	GRE3	10.3.3.2	192.168.3.8	10.3.3.1	192.168.3.4	VLSR-1-PC	GRE3
	VLSR3-PC	GRE4	10.3.4.2	192.168.3.8	10.3.4.1	192.168.3.6	VLSR2-PC	GRE4
	VLSR3-PC	GRE5	10.3.5.1	192.168.3.8	10.3.5.2	192.168.3.9	ES2	GRE5
	ES2	GRE5	10.3.5.2	192.168.3.9	10.3.5.1	192.168.3.8	VLSR3-PC	GRE5
	NARB	GRE6	10.3.6.2	192.168.3.10	10.3.6.1	192.168.3.6	VLSR2-PC	GRE6
	VLSR1-PC	GRE13	10.3.13.1	192.168.3.4	10.3.13.2	192.168.4.8	Green-VLSR3-PC	GRE13
	VLSR2-PC	GRE12	10.2.12.2	192.168.3.6	10.2.12.1	192.168.2.8	Blue-VLSR3-PC	GRE12
	NARB	GRE23	10.3.23.1	192.168.3.10	10.3.23.2	192.168.4.10	Green NARB	GRE23
	NARB	GRE22	10.2.22.2	192.168.3.10	10.2.22.1	192.168.2.10	Blue NARB	GRE22

Green	Local				Remote			
	Device	Int Name	Ctrl Plane Addr /30	Tunnel End Pt	Ctrl Plane Addr /30	Tunnel End Pt		
	ES1	GRE1	10.4.1.1	192.168.4.2	10.4.1.2	192.168.4.4	VLSR1-PC	GRE1
	VLSR1-PC	GRE1	10.4.1.2	192.168.4.4	10.4.1.1	192.168.4.2	ES1	GRE1
	VLSR1-PC	GRE2	10.4.2.1	192.168.4.4	10.4.2.2	192.168.4.6	VLSR2-PC	GRE2
	VLSR1-PC	GRE3	10.4.3.1	192.168.4.4	10.4.3.2	192.168.4.8	VLSR3-PC	GRE3
	VLSR2-PC	GRE2	10.4.2.2	192.168.4.6	10.4.2.1	192.168.4.4	VLSR1-PC	GRE2
	VLSR2-PC	GRE4	10.4.4.1	192.168.4.6	10.4.4.2	192.168.4.8	VLSR3-PC	GRE4
	VLSR2-PC	GRE6	10.4.6.1	192.168.4.6	10.4.6.2	192.168.4.10	NARB	GRE6
	VLSR3-PC	GRE3	10.4.3.2	192.168.4.8	10.4.3.1	192.168.4.4	VLSR-1-PC	GRE3
	VLSR3-PC	GRE4	10.4.4.2	192.168.4.8	10.4.4.1	192.168.4.6	VLSR2-PC	GRE4
	VLSR3-PC	GRE5	10.4.5.1	192.168.4.8	10.4.5.2	192.168.4.9	ES2	GRE5
	ES2	GRE5	10.4.5.2	192.168.4.9	10.4.5.1	192.168.4.8	VLSR3-PC	GRE5
	NARB	GRE6	10.4.6.2	192.168.4.10	10.4.6.1	192.168.4.6	VLSR2-PC	GRE6
	VLSR3-PC	GRE13	10.3.13.2	192.168.4.8	10.3.13.1	192.168.3.4	Yellow-VLSR1-PC	GRE13
	VLSR3-PC	GRE14	10.4.14.1	192.168.4.8	10.4.14.2	192.168.1.8	Red-VLSR3-PC	GRE14
	NARB	GRE24	10.4.24.1	192.168.4.10	10.4.24.2	192.168.1.10	Red NARB	GRE24
	NARB	GRE23	10.3.23.2	192.168.4.10	10.3.23.1	192.168.3.10	Yellow NARB	GRE23

GRE Tunnels Worksheet

Yellow	Local				Remote			
	Device	Int Name	Ctrl Plane Addr /30	Tunnel End Pt	Ctrl Plane Addr /30	Tunnel End Pt		
	ES1	GRE1	10.3.1.1	192.168.3.2	10.3.1.2	192.168.3.4	VLSR1-PC	GF
	VLSR1-PC	GRE1	10.3.1.2	192.168.3.4	10.3.1.1	192.168.3.2	ES1	GF
	VLSR1-PC	GRE2	10.3.2.1	192.168.3.4	10.3.2.2	192.168.3.6	VLSR2-PC	GF
	VLSR1-PC	GRE3	10.3.3.1	192.168.3.4	10.3.3.2	192.168.3.8	VLSR3-PC	GF
	VLSR2-PC	GRE2	10.3.2.2	192.168.3.6				
	VLSR2-PC	GRE4	10.3.4.1	192.168.3.6				

Green	Local				Remote			
	Device	Int Name	Ctrl Plane Addr /30	Tunnel End Pt	Ctrl Plane Addr /30	Tunnel End Pt		
	ES1	GRE1	10.4.1.1	192.168.4.2	10.4.1.2	192.168.4.4	VLSR1-PC	GF
	VLSR1-PC	GRE1	10.4.1.2	192.168.4.4	10.4.1.1	192.168.4.2	ES1	GF
	VLSR1-PC	GRE2	10.4.2.1	192.168.4.4	10.4.2.2	192.168.4.6	VLSR2-PC	GF
	VLSR1-PC	GRE3	10.4.3.1	192.168.4.4	10.4.3.2	192.168.4.8	VLSR3-PC	GF
	VLSR2-PC	GRE2	10.4.2.2	192.168.4.6				
	VLSR2-PC	GRE4	10.4.4.1	192.168.4.6				

Data Plane ID CID	Ctrl Link	End Pt A	Port/Interface	TE-Addr	End Pt Z	Port/Interface	TE-Addr
Red D1	GRE1	ES1	eth1	11.1.1.1	VLSR1-SW	3	11.1.1.2
Red D2	GRE2	VLSR1-SW	4	11.1.2.1	VLSR2-SW	3	11.1.2.2
Red D3	GRE3	VLSR1-SW	5	11.1.3.1	VLSR3-SW	5	11.1.3.2
Red D4	GRE4	VLSR2-SW	4	11.1.4.1	VLSR3-SW	4	11.1.4.2
Red D5	GRE5	ES2	eth1	11.1.5.2	VLSR3-SW	3	11.1.5.1
D11	GRE11	Red-VLSR3-SW	6	11.1.11.1	Blue-VLSR1-SW	6	11.1.11.2
D14	GRE14	Red-VLSR3-SW	7	11.4.14.2	Green-VLSR3-SW	7	11.4.14.1
Blue D1	GRE1	ES1	eth1	11.2.1.1	VLSR1-SW	3	11.2.1.2
Blue D2	GRE2	VLSR1-SW	4	11.2.2.1	VLSR2-SW	3	11.2.2.2
Blue D3	GRE3	VLSR1-SW	5	11.2.3.1	VLSR3-SW	5	11.2.3.2
Blue D4	GRE4	VLSR2-SW	4	11.2.4.1	VLSR3-SW	4	11.2.4.2
Blue D5	GRE5	ES2	eth1	11.2.5.2	VLSR3-SW	3	11.2.5.1
D11	GRE11	Blue-VLSR1-SW	6	11.1.11.2	Red-VLSR3-SW	6	11.1.11.1
D12	GRE12	Blue-VLSR3-SW	6	11.2.12.1	Yellow-VLSR2-SW	5	11.2.12.2
Yellow D1	GRE1	ES1	eth1	11.3.1.1	VLSR1-SW	3	11.3.1.2
Yellow D2	GRE2	VLSR1-SW	4	11.3.2.1	VLSR2-SW	3	11.3.2.2
Yellow D3	GRE3	VLSR1-SW	5	11.3.3.1	VLSR3-SW	5	11.3.3.2
Yellow D4	GRE4	VLSR2-SW	4	11.3.4.1	VLSR3-SW	4	11.3.4.2
Yellow D5	GRE5	ES2	eth1	11.3.5.2	VLSR3-SW	3	11.3.5.1
D12	GRE12	Yellow-VLSR2-SW	5	11.2.12.2	Blue-VLSR3-SW	6	11.2.12.1
D13	GRE13	Yellow-VLSR1-SW	6	11.3.13.1	Green-VLSR3-SW	6	11.3.13.2
Green D1	GRE1	ES1	eth1	11.4.1.1	VLSR1-SW	3	11.4.1.2
Green D2	GRE2	VLSR1-SW	4	11.4.2.1	VLSR2-SW	3	11.4.2.2
Green D3	GRE3	VLSR1-SW	5	11.4.3.1	VLSR3-SW	5	11.4.3.2
Green D4	GRE4	VLSR2-SW	4	11.4.4.1	VLSR3-SW	4	11.4.4.2
Green D5	GRE5	ES2	eth1	11.4.5.2	VLSR3-SW	3	11.4.5.1
D14	GRE14	Green-VLSR3-SW	7	11.4.14.1	Red-VLSR3-SW	7	11.4.14.2
D13	GRE13	Green-VLSR3-SW	6	11.3.13.2	Yellow-VLSR1-SW	6	11.3.13.1

TE-Addrs Worksheet

Data Plane ID CID	Ctrl Link	End Pt A	Port/Interface	TE-Addr	End Pt Z	Port/Interface	TE-Addr
Red D1	GRE1	ES1	eth1	11.1.1.1	VLSR1-SW	3	11.1.1.2
Red D2	GRE2	VLSR1-SW	4	11.1.2.1	VLSR2-SW	3	11.1.2.2
Red D3							
Red D4							
Red D5							
D11							
D14							

Blue D1	GRE1	ES1	eth1	11.2.1.1	VLSR1-SW	3	11.2.1.2
Blue D2	GRE2	VLSR1-SW	4	11.2.2.1	VLSR2-SW	3	11.2.2.2
Blue D3							
Blue D4							
Blue D5							
D11							
D12							

Yellow D1	GRE1	ES1	eth1	11.3.1.1	VLSR1-SW	3	11.3.1.2
Yellow D2	GRE2	VLSR1-SW	4	11.3.2.1	VLSR2-SW	3	11.3.2.2
Yellow D3							
Yellow D4							
Yellow D5							
D12							
D13							

Green D1	GRE1	ES1	eth1	11.4.1.1	VLSR1-SW	3	11.4.1.2
Green D2	GRE2	VLSR1-SW	4	11.4.2.1	VLSR2-SW	3	11.4.2.2
Green D3							
Green D4							
Green D5							
D14							
D13							

Management				
	GW1	192.168/16	254.254 eth0	
			1.1 eth0:1	
			2.1 eth0:2	
			3.1 eth0:3	
			4.1 eth0:4	
	GW2	local public addr	DHCP eth1	
			254.253 eth0	
		local public addr	eth1	
	SW1		254.252 g1	VLAN1
	SW2		254.251 g1	VLAN1

Red		192.168.1/24		
	GW		1 Eth0	
	ES1		2 Eth0	
	VLSR1-SW		3	1
	VLSR1-PC		4 Eth0	
	VLSR2-SW		5	1
	VLSR2-PC		6 Eth0	
	VLSR3-SW		7	1
	VLSR3-PC		8 Eth0	
	ES2		9 Eth0	
	NARB		10 Eth0	

Blue		192.168.2/24		
	GW		1 Eth0	
	ES1		2 Eth0	
	VLSR1-SW		3	1
	VLSR1-PC		4 Eth0	
	VLSR2-SW		5	1
	VLSR2-PC		6 Eth0	
	VLSR3-SW		7	1
	VLSR3-PC		8 Eth0	
	ES2		9 Eth0	
	NARB		10 Eth0	

Yellow		192.168.3/24		
	GW		1 Eth0	
	ES1		2 Eth0	
	VLSR1-SW		3	1
	VLSR1-PC		4 Eth0	
	VLSR2-SW		5	1
	VLSR2-PC		6 Eth0	
	VLSR3-SW		7	1
	VLSR3-PC		8 Eth0	
	ES2		9 Eth0	
	NARB		10 Eth0	

Green		192.168.4/24		
	GW		1 Eth0	
	ES1		2 Eth0	
	VLSR1-SW		3	1
	VLSR1-PC		4 Eth0	
	VLSR2-SW		5	1
	VLSR2-PC		6 Eth0	
	VLSR3-SW		7	1
	VLSR3-PC		8 Eth0	
	ES2		9 Eth0	
	NARB		10 Eth0	