

# VLSM-Table

Network Name	Needed Size	Allocated Size	Address	Subnet	Netmask	Assignable Range	Broadcast
Galway	512	1022	172.16.0.0	/22	255.255.252.0	172.16.0.1 - 172.16.3.254	172.16.3.255
Cork Vlan 10	252	254	172.16.4.0	/24	255.255.255.0	172.16.4.1- 172.16.4.254	172.16.4.255
Cork Vlan 20	251	254	172.16.5.0	/24	255.255.255.0	172.16.5.1- 172.16.5.254	172.16.5.255
Cork Vlan 30	251	254	172.16.6.0	/24	255.255.255.0	172.16.6.1- 172.16.6.254	172.16.6.255
Limerick	62	62	172.16.7.0	/26	255.255.255.192	172.16.7.1 - 172.16.7.62	172.16.7.63

Network Name	Needed Size	Allocated Size	Address	Subnet	Netmask	Assignable Range	Broadcast
Belfast -> Limerick	2	2	172.16.15.244	/30	255.255.255.252	172.16.15.245 - 172.16.15.246	172.16.15.247
Belfast -> Cork	2	2	172.16.15.248	/30	255.255.255.252	172.16.15.249 - 172.16.15.250	172.16.15.251
Cork -> Galway	2	2	172.16.15.252	/30	255.255.255.252	172.16.15.253 - 172.16.15.254	172.16.15.255

# Network Diagram

Device	Interface	Ip address	Subnet Mask	Default Gateway	Link Speed
Belfast	s0/1/1	200.150.100.2	255.255.255.252	N/A	15,44 Mbps
	s0/1/0	172.16.15.245	255.255.255.252	N/A	15,44 Mbps
	s0/0/0	172.16.15.249	255.255.255.252	N/A	15,44 Mbps
Galway	s0/0/1	172.16.15.254	255.255.255.252	N/A	15,44 Mbps
	g0/0	172.16.0.2	255.255.252.0	N/A	1000 Mbps
Cork	s0/0/0	172.16.15.253	255.255.255.252	N/A	15,44 Mbps
	s0/0/1	172.16.15.250	255.255.255.252	N/A	15,44 Mbps
	g0/0.10	172.16.4.1	255.255.255.0	N/A	1000 Mbps
	g0/0.20	172.16.5.1	255.255.255.0	N/A	1000 Mbps
	g0/0.30	172.16.6.1	255.255.255.0	N/A	1000 Mbps
Limerick	s0/0/1	172.16.15.246	255.255.255.252	N/A	15,44 Mbps
	g0/0	172.16.7.1	255.255.255.192	N/A	1000 Mbps

GalwaySwitch	VLAN 1	172.16.0.1	255.255.255.248	172.16.0.2
CorkSwitch	VLAN 10	172.16.4.2	255.255.255.0	172.16.4.1
	VLAN 20		255.255.255.0	172.16.5.1
	VLAN 30		255.255.255.0	172.16.6.1
LimerickSwitch	VLAN 1	172.16.7.2	255.255.255.240	172.16.7.1

GalwayA	NIC	172.16.2.1	255.255.252.0	172.16.0.2
GalwayB	NIC	172.16.2.2	255.255.252.0	172.16.0.2

Vlan 10	NIC	172.16.4.3	255.255.255.0	172.16.4.1
Vlan 20	NIC	172.16.5.3	255.255.255.0	172.16.5.1
Vlan 30	NIC	172.16.6.3	255.255.255.0	172.16.6.1

LimerickA	NIC	200.88.202.98	255.255.255.224	200.88.202.97
LimerickB	NIC	200.88.202.99	255.255.255.224	200.88.202.97