

GreenGenius Network Addressing Scheme

IP Scheme Rationale: The LAN networks are configured to use /25 address space to reflect the organization size. This would allow adding other subnets in the future as the organization grows. Having smaller subnets is also more conducive to network segmentation, especially in larger organizations.

LAN1 (Corporate)

Network:	10.11.11.0 /25	
Subnet mask:	255.255.255.128	
DHCP range:	.1-.100	
Reserved range:	.101-.126	
Default gateway:	10.11.11.126	pfSense Router 1
DNS server:	10.11.11.123	Windows Server 2019

LAN2 (Remote site)

Network:	10.22.22.0 /25	
Subnet mask:	255.255.255.128	
DHCP range:	.1-.100	
Reserved range:	.101-.126	
Default gateway:	10.22.22.126	pfSense Router 2
DNS server:	10.11.11.123	Windows Server 2019

Firewall rules:

Device	Action	Interface	Direction	Protocol
Router 1	Allow	WAN	In	ICMP
Router 1	Allow	WAN	In	Any
Router 1	Allow	IPSEC	In	Any
Router 2	Allow	WAN	In	ICMP
Router 2	Allow	WAN	In	Any
Router 2	Allow	IPSEC	In	Any