

VLAN 10: 14 hosts max. /28 prefix

Network Add: 192.168.10.0

Subnet Mask: 255.255.255.240

Default Gateway: 192.168.10.1

First Usable Add: 192.168.10.2 (for S1 SVI)

Second Usable Add: 192.168.10.3

Last Usable Add: 192.168.10.14

Broadcast: 192.168.10.15

VLAN 20. 14 hosts max. /28 prefix:

Network Add: 192.168.20.0

Subnet Mask: 255.255.255.240

Default Gateway: 192.168.20.1

First Usable Add: 192.168.20.2 (for S2 SVI)

Second Usable Add: 192.168.20.3

Last Usable Add: 192.168.20.14

Broadcast: 192.168.20.15

Server Network (VLAN 30). 8 hosts max. /29 prefix.

Network Add: 192.168.30.0

Subnet Mask: 255.255.255.248

Default Gateway: 192.168.30.1

First Usable Add: 192.168.30.2

Second Usable Add: 192.168.30.3

Last Usable Add: 192.168.30.6

Broadcast Add: 192.168.30.7

Switch 1 Passwords:

Line console: Switch1Config

Priv Exec: Switch1

Switch 2 Passwords:

Line Console: Switch2Config

Priv Exec: Switch2

Layer 3 Switch Passwords:

Line Console: L3SwitchConfig

Priv Exec: L3Switch

Skills and Tools Applied:

Inter-Vlan Routing

VLAN Trunking

Port-Security to Prevent Mac Address Overflow attacks

HTTP and DNS Server Deployment.