

Site Sizes with VLAN Breakdown and Device Addressing Scheme

Micro Site
Network Summary /24



VLAN +0 ALL

SERVICES 1 thru 20
DHCP 21 thru 148
PRINTERS 150 thru 170
VOIP 181 thru 230
IT DEPT 240 thru 253

Small Site
Network Summary /22



VLAN +0 ISS

STATIC only No DHCP

VLAN +1 LAN

SERVICES 1 thru 20
DHCP 21 thru 148
PRINTERS 150 thru 170
DHCP 1 thru 250 for VOIP

VLAN +2 SPARE

VLAN +3 VOIP

Medium Site
Network Summary /21



VLAN +0 ISS

STATIC only No DHCP

VLAN +1 LAN1

SERVICES 1 thru 20
DHCP 21 thru 148
PRINTERS 150 thru 170

VLAN +2 LAN2

VLAN +3 LAN3

VLAN +4 SPARE

VLAN +5 WLAN

DHCP 1 thru 250

VLAN +6 VOIP1

DHCP 1 thru 250 for VOIP

VLAN +7 VOIP2

Large Site
Network Summary /20



VLAN +0 ISS

STATIC only No DHCP

VLAN +1 LAN1

SERVICES 1 thru 20
DHCP 21 thru 148
PRINTERS 150 thru 170

VLAN +2 LAN2

VLAN +3 LAN3

VLAN +4 LAN4

VLAN +5 LAN5

VLAN +6 LAN6

VLAN +7 LAN7

VLAN +8 SPARE a

VLAN +9 SPARE b

VLAN +10 WLAN a

DHCP +10.1 thru +11.250

VLAN +11 WLAN b

VLAN +12 VOIP1

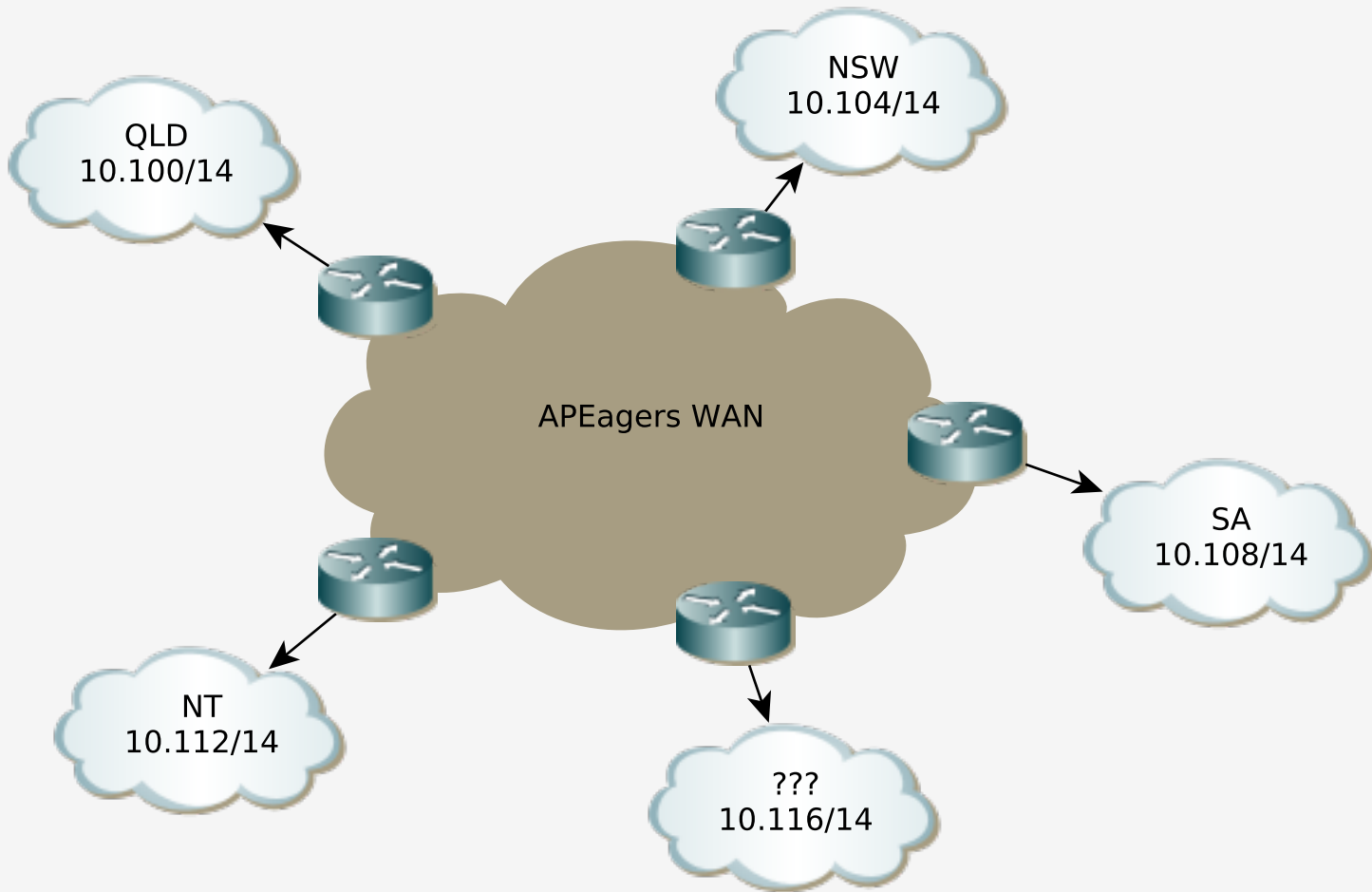
DHCP 1 thru 250 for VOIP

VLAN +13 VOIP2

VLAN +14 VOIP3

VLAN +15 VOIP4

APEagers WAN State Summary Routing



Site Sizes per State with Device Count and Addressing Scheme

Size	Qty	Network Address	IT	LAN	WLA	VOI
Huge	2	10.(state + 0).(n * 32).0/19	254	3k7	1k	2k
Large	12	10.(state + 0).(64 + n * 16).0/20	254	1k7	500	1k
Medium	32	10.(state + 1).(n * 8).0/21	254	750	250	500
Small	64	10.(state + 2).(n * 4).0/22	254	150	100	250
Micro	256	10.(state + 3).(n).0/24	14	100	50	50

Example Layer 2 Configuration for a Site

