Task 1: IPv4 Addressing Schema

Network Name/VLAN ID	Network Address	Default Gateway (SVI interface)	Static Reservations	DHCP Scope	Summary Address
Floor 1					
Reception - 100	172.30.0.0 /24	172.30.0.1	172.30.0.1 - 172.30.0.50	172.30.0.51 - 172.30.0.254	
Security - 110	172.30.1.0 /24	172.30.1.1	172.30.1.1 - 172.30.1.50	172.30.1.51 - 172.30.1.254	
PharmaPlus - 120	172.30.2.0 /24	172.30.2.1	172.30.2.1 - 172.30.2.50	172.30.2.51 - 172.30.2.254	
DynaLabs - 130	172.30.3.0 /24	172.30.3.1	172.30.3.1 - 172.30.3.50	172.30.3.51 - 172.30.3.254	172.30.0.0 /21
Facilities - 140	172.30.4.0 /24	172.30.4.1	172.30.4.1 - 172.30.4.50	172.30.4.51 - 172.30.4.254	
Visitor1 - 199	172.30.5.0 /24	172.30.5.1	172.30.5.1 - 172.30.5.50	172.30.5.51 - 172.30.5.254	
IT - 500	172.30.6.0 /24	172.30.6.1	172.30.6.1 - 172.30.6.50	172.30.6.51 - 172.30.6.254	
DataCenter - 1000	172.30.7.0 /24	172.30.7.1	172.30.7.1 - 172.30.7.50	172.30.7.51 - 172.30.7.254	
Floor 2					
CoolidgeLab - 200	172.30.8.0 /24	172.30.8.1	172.30.8.1 - 172.30.8.50	172.30.8.51 - 172.30.8.254	
ChildrensHealth - 210	172.30.9.0 /24	172.30.9.1	172.30.9.1 - 172.30.9.50	172.30.9.51 - 172.30.9.254	
Physicians - 220	172.30.10.0 /24	172.30.10.1	172.30.10.1 - 172.30.10.50	172.30.10.51 - 172.30.10.254	172.30.8.0 /21
MassageSpa - 230	172.30.11.0 /24	172.30.11.1	172.30.11.1 - 172.30.11.50	172.30.11.51 - 172.30.11.254	
Visitor 2 - 299	172.30.12.0 /24	172.30.12.1	172.30.12.1 - 172.30.12.50	172.30.12.51 - 172.30.12.254	
Floor 3					
DentalOffice - 300	172.30.16.0 /24	172.30.16.1	172.30.16.1 - 172.30.16.50	172.30.16.51 - 172.30.16.254	
ENT - 310	172.30.17.0 /24	172.30.17.1	172.30.17.1 - 172.30.17.50	172.30.17.51 - 172.30.17.254	
Allergist - 320	172.30.18.0 /24	172.30.18.1	172.30.18.1 - 172.30.18.50	172.30.18.51 - 172.30.18.254	172.30.16.0 /21
Physiotherapy - 330	172.30.19.0 /24	172.30.19.1	172.30.19.1 - 172.30.19.50	172.30.19.51 - 172.30.19.254	
Visitor - 399	172.30.20.0 /24	172.30.20.1	172.30.20.1 - 172.30.20.50	172.30.20.51 - 172.30.20.254	

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Point-to-point networks

Device Name	IP Address	to	Device Name	IP Address	Network Address
SpringCore1	172.30.255.1	to	SpringCore2	172.30.255.2	172.30.255.0 /30
SpringCore1	172.30.255.5	to	SpringR1	172.30.255.6	172.30.255.4 /30
SpringCore1	172.30.255.9	to	SpringR2	172.30.255.10	172.30.255.8 /30
SpringCore2	172.30.255.13	to	SpringR1	172.30.255.14	172.30.255.12 /30
SpringCore2	172.30.255.17	to	SpringR2	172.30.255.18	172.30.255.16 /30
SpringR1	172.30.255.21	to	SpringR2	172.30.255.22	172.30.255.20 /30