

Device	Interface	IP Configuration	Connected with	
Router0	FastEthernet0/0	100.128.140.1	Switch0	FastEthernet0/1
Router0	FastEthernet0/1	100.128.142.33	DHCP Server	FastEthernet0
Router0	Serial0/2/0	100.128.142.37	Router1	Serial0/2/0
Router1	Serial0/2/0	100.128.142.38	Router0	Serial0/2/0
Router1	Serial0/2/1	100.128.142.41	Router3	Serial0/2/0
Router1	Serial0/3/0	100.128.142.57	Router2	Serial0/2/0
Router2	FastEthernet0/0	100.128.0.1	Switch4	FastEthernet0/1
Router2	Serial0/2/0	100.128.142.58	Router1	Serial0/3/0
Router2	Serial0/2/1	100.128.142.61	Router4	Serial0/2/1
Router3	FastEthernet0/0	100.128.142.1	Switch1	FastEthernet0/1
Router3	FastEthernet0/1	100.128.142.53	DATA Server	FastEthernet0
Router3	Serial0/2/0	100.128.142.42	Router1	Serial0/2/1
Router3	Serial0/2/1	100.128.142.45	Router4	Serial0/2/0
Router3	Serial0/3/0	100.128.142.49	Router6	Serial0/2/0
Router4	Serial0/2/0	100.128.142.46	Router3	Serial0/2/1
Router4	Serial0/2/1	100.128.142.62	Router2	Serial0/2/1
Router4	Serial0/3/0	100.128.142.65	Router7	Serial0/2/0
Router6	FastEthernet0/0	100.128.112.1	Switch2	FastEthernet0/1
Router6	FastEthernet0/1		Switch3	FastEthernet0/1
Router6	Serial0/2/0	100.128.142.50	Router3	Serial0/3/0
Router7	Serial0/2/0	100.128.142.66	Router4	Serial0/3/0
Router7	Serial0/2/1	100.128.142.69	Router12	Serial0/2/0
Router8	Serial0/2/0	100.128.142.130	Router9	Serial0/3/0
Router8	Serial0/2/1	100.128.142.133	Router21	Serial0/2/0
Router9	FastEthernet0/0	100.128.104.1	Switch5	FastEthernet0/1
Router9	Serial0/2/0	100.128.142.82	Router12	Serial0/3/1
Router9	Serial0/2/1	100.128.142.86	Router13	Serial0/2/1
Router9	Serial0/3/0	100.128.142.129	Router8	Serial0/2/0
Router10	FastEthernet0/0	100.128.142.145	TFTP Server	FastEthernet0
Router10	FastEthernet0/1	100.128.120.1	Switch8	FastEthernet0/1
Router10	Serial0/2/0	100.128.142.94	Router13	Serial0/3/0
Router11	FastEthernet0/0	100.128.96.1	Switch6	FastEthernet1/1
Router11	FastEthernet0/1	100.128.132.1	Switch7	FastEthernet0/1
Router11	Serial0/2/0	100.128.142.74	Router12	Serial0/2/1
Router12	Serial0/2/0	100.128.142.70	Router7	Serial0/2/1
Router12	Serial0/2/1	100.128.142.73	Router11	Serial0/2/0
Router12	Serial0/3/0	100.128.142.77	Router13	Serial0/2/0
Router12	Serial0/3/1	100.128.142.81	Router9	Serial0/2/0
Router13	Serial0/2/0	100.128.142.78	Router12	Serial0/3/0
Router13	Serial0/2/1	100.128.142.85	Router9	Serial0/2/1
Router13	Serial0/3/0	100.128.142.93	Router10	Serial0/2/0
Router13	Serial0/3/1	100.128.142.89	Router14	Serial0/2/0
Router14	Serial0/2/0	100.128.142.90	Router13	Serial0/3/1
Router14	Serial0/2/1	100.128.142.97	Router16	Serial0/2/1

Device	Interface	IP Configuration	Connected with	
Router15	FastEthernet0/0	100.128.64.1	Switch9	FastEthernet1/1
Router15	Serial0/2/0	100.128.142.105	Router20	Serial0/2/0
Router15	Serial0/2/1	100.128.142.101	Router16	Serial0/3/0
Router16	Serial0/2/0	100.128.142.113	Router18	Serial0/2/1
Router16	Serial0/2/1	100.128.142.98	Router14	Serial0/2/1
Router16	Serial0/3/0	100.128.142.102	Router15	Serial0/2/1
Router16	Serial0/3/1	100.128.142.125	Router17	Serial0/2/0
Router17	FastEthernet0/0	100.128.128.1	Switch10	FastEthernet0/1
Router17	Serial0/2/0	100.128.142.126	Router16	Serial0/3/1
Router18	Serial0/2/0	100.128.142.110	Router20	Serial0/2/1
Router18	Serial0/2/1	100.128.142.114	Router16	Serial0/2/0
Router18	Serial0/3/0	100.128.142.121	Router19	Serial0/2/0
Router19	FastEthernet0/0	100.128.136.1	Switch11	FastEthernet0/1
Router19	Serial0/2/0	100.128.142.122	Router18	Serial0/3/0
Router20	FastEthernet0/0	100.128.142.117	Data Server3	FastEthernet0
Router20	FastEthernet0/1	100.128.80.1	Switch12	FastEthernet0/1
Router20	Serial0/2/0	100.128.142.106	Router15	Serial0/2/0
Router20	Serial0/2/1	100.128.142.109	Router18	Serial0/2/0
Router21	Serial0/2/0	100.128.142.134	Router8	Serial0/2/1
Router21	Serial0/2/1	100.128.142.138	Router23	Serial0/2/0
Router21	Serial0/3/0	100.128.142.141	Router22	Serial0/2/0
Router22	FastEthernet0/0	100.128.32.1	Switch17	FastEthernet0/1
Router22	Serial0/2/0	100.128.142.142	Router21	Serial0/3/0
Router23	FastEthernet0/0	100.128.142.149	Multilayer Switch1	FastEthernet0/4
Router23	Serial0/2/0	100.128.142.137	Router21	Serial0/2/1
PC00	FastEthernet0	100.128.104.2(DHCP)	Switch5	FastEthernet1/1
PC1	FastEthernet0	100.128.142.2(DHCP)	Switch1	FastEthernet0/1
PC2	FastEthernet0	100.128.0.2(DHCP)	Switch4	FastEthernet1/1
PC4	FastEthernet0	100.128.120.2(DHCP)	Switch8	FastEthernet1/1
PC6	FastEthernet0	100.128.132.2(DHCP)	Switch7	FastEthernet1/1
PC7	FastEthernet0	100.128.64.2(DHCP)	Switch9	FastEthernet0/1
PC8	FastEthernet0	100.128.128.2(DHCP)	Switch10	FastEthernet1/1
PC9	FastEthernet0	100.128.80.2(DHCP)	Switch12	FastEthernet1/1
PC10	FastEthernet0	100.128.136.2(DHCP)	Switch11	FastEthernet1/1
PC12	FastEthernet0	192.168.5.2(DHCP)	Switch22	FastEthernet0/2
PC013	FastEthernet0	100.128.96.2(DHCP)	Switch6	FastEthernet0/1
PC14	FastEthernet0	192.168.4.4(DHCP)	Switch21	FastEthernet0/4
PC15	FastEthernet0	192.168.3.2(DHCP)	Switch21	FastEthernet0/3
PC16	FastEthernet0	192.168.2.3(DHCP)	Switch21	FastEthernet0/2
PC17	FastEthernet0	192.168.1.3(DHCP)	Switch21	FastEthernet0/1
PC18	FastEthernet0	192.168.1.2(DHCP)	Switch13	FastEthernet0/1
PC19	FastEthernet0	192.168.2.4(DHCP)	Switch13	FastEthernet0/2
PC20	FastEthernet0	192.168.3.4(DHCP)	Switch13	FastEthernet0/3
PC21	FastEthernet0	192.168.4.2(DHCP)	Switch13	FastEthernet0/4

Device	Interface	IP Configuration	Connected with	
PC22	FastEthernet0	192.168.1.4(DHCP)	Switch20	FastEthernet0/1
PC23	FastEthernet0	192.168.2.2(DHCP)	Switch20	FastEthernet0/2
PC24	FastEthernet0	192.168.3.3(DHCP)	Switch20	FastEthernet0/3
PC25	FastEthernet0	192.168.4.3(DHCP)	Switch20	FastEthernet0/4
PC26	FastEthernet0	100.128.112.2(DHCP)	Switch2	FastEthernet1/1
PC284	FastEthernet0	100.128.32.2(DHCP)	Switch17	FastEthernet0/2
PC285	FastEthernet0	100.128.140.2(DHCP)	Switch0	FastEthernet0/1
Public PC	FastEthernet0	192.168.6.3(DHCP)	Multilayer Switch1	FastEthernet0/2
DHCP Server	FastEthernet0	100.128.142.34	Router0	FastEthernet0/1
DHCP Server for VLANS	FastEthernet0	100.128.142.153	Multilayer Switch1	GigabitEthernet0/1
DATA Server	FastEthernet0	100.128.142.54	Router3	FastEthernet0/1
DATA Server 3	FastEthernet0	100.128.142.118	Router20	FastEthernet0/0
TFTP Server	FastEthernet0	100.128.142.146	Router10	FastEthernet0/0
Multilayer Switch1	FastEthernet0/1		Switch13	FastEthernet0/5
Multilayer Switch1	FastEthernet0/2	192.168.6.2	Public PC	FastEthernet0
Multilayer Switch1	FastEthernet0/3	192.168.5.1	Switch22	GigabitEthernet0/1
Multilayer Switch1	FastEthernet0/4	100.128.142.150	Router23	FastEthernet0/0
Multilayer Switch1	GigabitEthernet0/1	100.128.142.154	DHCP Server for VLANS	FastEthernet0
Switch0	FastEthernet0/1		PC285	FastEthernet0
Switch0	FastEthernet1/1		Router0	FastEthernet0/0
Switch1	FastEthernet0/1		PC1	FastEthernet0
Switch1	FastEthernet1/1		Router3	FastEthernet0/0
Switch2	FastEthernet0/1		Router6	FastEthernet0/0
Switch2	FastEthernet1/1		PC26	FastEthernet0
Switch3	FastEthernet0/1		Router6	FastEthernet0/1
Switch4	FastEthernet0/1		Router2	FastEthernet0/0
Switch4	FastEthernet1/1		PC2	FastEthernet0
Switch5	FastEthernet0/1		Router9	FastEthernet0/0
Switch5	FastEthernet1/1		PC00	FastEthernet0
Switch6	FastEthernet0/1		PC013	FastEthernet0
Switch6	FastEthernet1/1		Router11	FastEthernet0/0
Switch7	FastEthernet0/1		Router11	FastEthernet0/1
Switch7	FastEthernet1/1		PC6	FastEthernet0
Switch8	FastEthernet0/1		Router10	FastEthernet0/1
Switch8	FastEthernet1/1		PC4	FastEthernet0
Switch9	FastEthernet0/1		PC7	FastEthernet0
Switch9	FastEthernet1/1		Router15	FastEthernet0/0
Switch10	FastEthernet0/1		Router17	FastEthernet0/0

Device	Interface	IP Configuration	Connected with	
Switch10	FastEthernet1/1		PC8	FastEthernet0
Switch11	FastEthernet0/1		Router19	FastEthernet0/0
Switch11	FastEthernet1/1		PC10	FastEthernet0
Switch12	FastEthernet0/1		Router20	FastEthernet0/1
Switch12	FastEthernet1/1		PC9	FastEthernet0
Switch13	FastEthernet0/1		PC18	FastEthernet0
Switch13	FastEthernet0/2		PC19	FastEthernet0
Switch13	FastEthernet0/3		PC20	FastEthernet0
Switch13	FastEthernet0/4		PC21	FastEthernet0
Switch13	FastEthernet0/5		Multilayer Switch1	FastEthernet0/1
Switch13	FastEthernet0/6		Switch20	FastEthernet0/5
Switch17	FastEthernet0/1		Router22	FastEthernet0/0
Switch17	FastEthernet0/2		PC284	FastEthernet0
Switch20	FastEthernet0/1		PC22	FastEthernet0
Switch20	FastEthernet0/2		PC23	FastEthernet0
Switch20	FastEthernet0/3		PC24	FastEthernet0
Switch20	FastEthernet0/4		PC25	FastEthernet0
Switch20	FastEthernet0/5		Switch13	FastEthernet0/6
Switch20	FastEthernet0/6		Switch21	FastEthernet0/6
Switch21	FastEthernet0/1		PC14	FastEthernet0
Switch21	FastEthernet0/2		PC15	FastEthernet0
Switch21	FastEthernet0/3		PC16	FastEthernet0
Switch21	FastEthernet0/4		PC17	FastEthernet0
Switch21	FastEthernet0/5		Switch22	FastEthernet0/5
Switch21	FastEthernet0/6		Switch20	FastEthernet0/6
Switch22	FastEthernet0/2		PC12	FastEthernet0
Switch22	FastEthernet0/5		Switch21	FastEthernet0/5
Switch22	GigabitEthernet0/1		Multilayer Switch1	FastEthernet0/3

Assigned IP Addresses:

Group No	Roll No.	Names	IP Addresses	Private IP Addresses
11	21F-9068	M.Ibraheem Noor	100.144.200.24/11	100.17.21.0
	21F-9122	M.Affan Bukhari		
	21F-9301	Zakwan		

HOST Requirements:

A	B	C	D	E	F	G	H	I	J	K	M	N
398	7896	1233	700	1122	2751	2371	600	780	7543	2020	1301	23