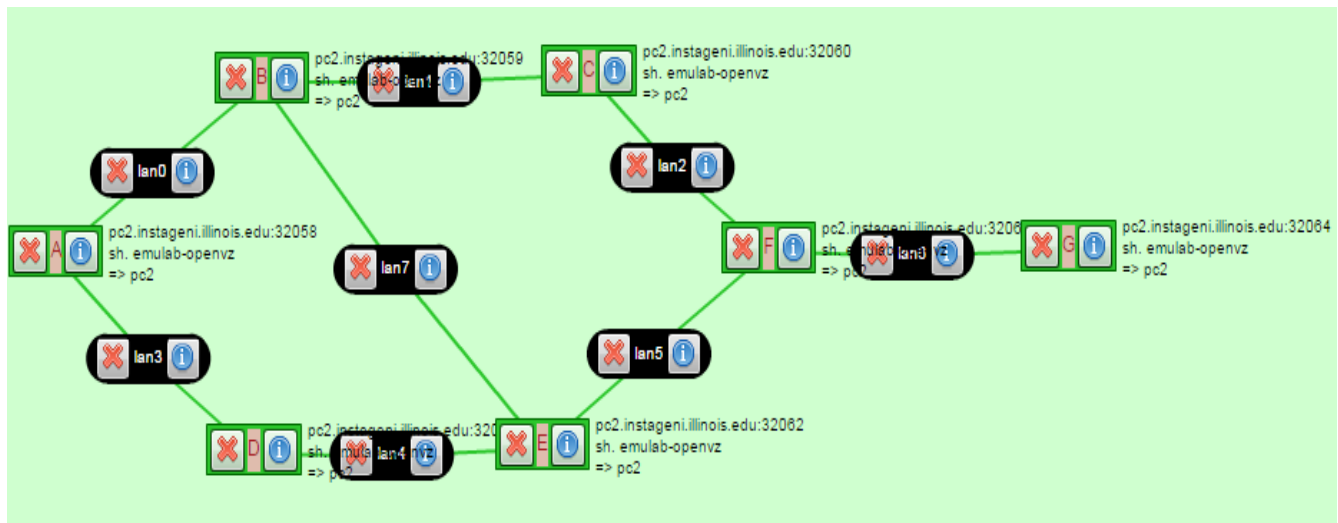


Project: Part 1



1.) IP addresses of all the nodes

A	A – B	A: 10.10.1.1 B: 10.10.1.2
	A – D	A: 10.10.4.1 D: 10.10.4.2
B	B – C	B: 10.10.2.1 C: 10.10.2.2
	B – E	B: 10.10.8.1 E: 10.10.8.2
C	C – F	C: 10.10.3.1 F: 10.10.3.2
D	D – E	D: 10.10.5.1 E: 10.10.5.2
E	E – F	E: 10.10.6.1 F: 10.10.6.2
F	F – G	F: 10.10.7.1 G: 10.10.7.2

2.) Forwarding tables of all the nodes

**Node A:**

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.10.3.2	D-lan3	255.255.255.254	UG	0	0	0	eth11237
10.10.8.2	D-lan3	255.255.255.254	UG	0	0	0	eth11237
10.10.4.0	*	255.255.255.0	U	0	0	0	eth11237
10.10.1.0	*	255.255.255.0	U	0	0	0	eth11232
72.36.65.0	*	255.255.255.0	U	0	0	0	eth999
10.10.0.0	B-lan0	255.255.252.0	UG	0	0	0	eth11232
10.10.8.0	B-lan0	255.255.248.0	UG	0	0	0	eth11232
172.16.0.0	*	255.240.0.0	U	0	0	0	eth999
10.0.0.0	D-lan3	255.0.0.0	UG	0	0	0	eth11237
default	pc2.instageni.i	0.0.0.0	UG	0	0	0	eth999

### **Node B:**

#### Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.10.3.0	C-lan1	255.255.255.254	UG	0	0	0	eth11233
10.10.4.0	A-lan0	255.255.255.254	UG	0	0	0	eth11232
10.10.2.0	*	255.255.255.0	U	0	0	0	eth11233
10.10.1.0	*	255.255.255.0	U	0	0	0	eth11232
10.10.8.0	*	255.255.255.0	U	0	0	0	eth11235
72.36.65.0	*	255.255.255.0	U	0	0	0	eth999
172.16.0.0	*	255.240.0.0	U	0	0	0	eth999
10.0.0.0	E-lan7	255.0.0.0	UG	0	0	0	eth11235
default	pc2.instageni.i	0.0.0.0	UG	0	0	0	eth999

### **Node C:**

#### Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.10.6.2	F-lan2	255.255.255.254	UG	0	0	0	eth11231
10.10.6.0	B-lan1	255.255.255.0	UG	0	0	0	eth11233
10.10.2.0	*	255.255.255.0	U	0	0	0	eth11233
10.10.3.0	*	255.255.255.0	U	0	0	0	eth11231
72.36.65.0	*	255.255.255.0	U	0	0	0	eth999
10.10.6.0	F-lan2	255.255.254.0	UG	0	0	0	eth11231
172.16.0.0	*	255.240.0.0	U	0	0	0	eth999
10.0.0.0	B-lan1	255.0.0.0	UG	0	0	0	eth11233
default	pc2.instageni.i	0.0.0.0	UG	0	0	0	eth999

### **Node D:**

#### Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.10.1.0	A-lan3	255.255.255.254	UG	0	0	0	eth11237
10.10.4.0	*	255.255.255.0	U	0	0	0	eth11237
10.10.5.0	*	255.255.255.0	U	0	0	0	eth11230
72.36.65.0	*	255.255.255.0	U	0	0	0	eth999
172.16.0.0	*	255.240.0.0	U	0	0	0	eth999

10.0.0.0	E-lan4	255.0.0.0	UG	0	0	0	eth11230
default	pc2.instageni.i	0.0.0.0	UG	0	0	0	eth999

### **Node E:**

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.10.3.2	F-lan5	255.255.255.254	UG	0	0	0	eth11234
10.10.4.2	D-lan4	255.255.255.254	UG	0	0	0	eth11230
10.10.6.0	*	255.255.255.0	U	0	0	0	eth11234
10.10.5.0	*	255.255.255.0	U	0	0	0	eth11230
10.10.8.0	*	255.255.255.0	U	0	0	0	eth11235
72.36.65.0	*	255.255.255.0	U	0	0	0	eth999
10.10.4.0	B-lan7	255.255.254.0	UG	0	0	0	eth11235
10.10.4.0	F-lan5	255.255.252.0	UG	0	0	0	eth11234
172.16.0.0	*	255.240.0.0	U	0	0	0	eth999
10.0.0.0	B-lan7	255.0.0.0	UG	0	0	0	eth11235
default	pc2.instageni.i	0.0.0.0	UG	0	0	0	eth999

### **Node F:**

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.10.8.0	C-lan2	255.255.255.254	UG	0	0	0	eth11231
10.10.1.2	C-lan2	255.255.255.254	UG	0	0	0	eth11231
10.10.6.0	*	255.255.255.0	U	0	0	0	eth11234
10.10.7.0	*	255.255.255.0	U	0	0	0	eth11236
10.10.3.0	*	255.255.255.0	U	0	0	0	eth11231
72.36.65.0	*	255.255.255.0	U	0	0	0	eth999
10.10.0.0	E-lan5	255.255.254.0	UG	0	0	0	eth11234
10.10.0.0	C-lan2	255.255.252.0	UG	0	0	0	eth11231
172.16.0.0	*	255.240.0.0	U	0	0	0	eth999
10.0.0.0	E-lan5	255.0.0.0	UG	0	0	0	eth11234
default	pc2.instageni.i	0.0.0.0	UG	0	0	0	eth999

### **Node G:**

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.10.7.0	*	255.255.255.0	U	0	0	0	eth11236
72.36.65.0	*	255.255.255.0	U	0	0	0	eth999
172.16.0.0	*	255.240.0.0	U	0	0	0	eth999
10.0.0.0	F-lan6	255.0.0.0	UG	0	0	0	eth11236
default	pc2.instageni.i	0.0.0.0	UG	0	0	0	eth999