

# RIP Project Report

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## 1 Pre-requirements

- PPP\_DS3 link has a data rate of 44.736 Mbps. All the routers connected with this link.
- RIP traffic is the total amount of RIP update traffic (in bits) sent/received per second by all the nodes using RIP as the routing protocol in the IP interfaces in the node.
- Update list of files and the model directories with **File, Manage Model Files** and **Refresh Model Directories**.

### 1.1 Print out the layout of the network I implemented in this lab

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```
1 #
2 # Purpose: Contains IP address information for all active
3 #           interfaces in the current network model.
4 #           (created by exporting this information from the model.)
5 #
6
7 # Node Name: Campus Network.router_1
8 # Iface Name      IP Address      Subnet Mask      Connected Link
9 # -----
10 IF0               192.0.0.1        255.255.255.0    Campus Network.net_10 <-> router_1
11 IF1               192.0.1.1        255.255.255.0    Campus Network.net_11 <-> router_1
12 IF10              192.0.2.1        255.255.255.0    Campus Network.router_2 <-> router_1
13 IF11              192.0.3.1        255.255.255.0    Campus Network.router_1 <-> router_3
14
15
16 # Node Name: Campus Network.net_10
17 # Iface Name      IP Address      Subnet Mask      Connected Link
18 # -----
19 IF0               192.0.0.2        255.255.255.0    Campus Network.net_10 <-> router_1
20
21
22 # Node Name: Campus Network.net_11
23 # Iface Name      IP Address      Subnet Mask      Connected Link
24 # -----
25 IF0               192.0.1.2        255.255.255.0    Campus Network.net_11 <-> router_1
26
27
28 # Node Name: Campus Network.router_2
29 # Iface Name      IP Address      Subnet Mask      Connected Link
30 # -----
31 IF0               192.0.4.1        255.255.255.0    Campus Network.net_12 <-> router_2
32 IF1               192.0.5.1        255.255.255.0    Campus Network.net_13 <-> router_2
```

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33     IF10                192.0.2.2      255.255.255.0  Campus Network.router_2 <-> router_1
34     IF11                192.0.6.1      255.255.255.0  Campus Network.router_4 <-> router_2
35
36
37 # Node Name: Campus Network.net_12
38 # Iface Name      IP Address      Subnet Mask      Connected Link
39 # -----
40     IF0                192.0.4.2      255.255.255.0  Campus Network.net_12 <-> router_2
41
42
43 # Node Name: Campus Network.net_13
44 # Iface Name      IP Address      Subnet Mask      Connected Link
45 # -----
46     IF0                192.0.5.2      255.255.255.0  Campus Network.net_13 <-> router_2
47
48
49 # Node Name: Campus Network.router_3
50 # Iface Name      IP Address      Subnet Mask      Connected Link
51 # -----
52     IF0                192.0.7.1      255.255.255.0  Campus Network.net_14 <-> router_3
53     IF1                192.0.8.1      255.255.255.0  Campus Network.net_15 <-> router_3
54     IF10               192.0.3.2      255.255.255.0  Campus Network.router_1 <-> router_3
55     IF11               192.0.9.1      255.255.255.0  Campus Network.router_3 <-> router_4
56
57
58 # Node Name: Campus Network.net_14
59 # Iface Name      IP Address      Subnet Mask      Connected Link
60 # -----
61     IF0                192.0.7.2      255.255.255.0  Campus Network.net_14 <-> router_3
62
63
64 # Node Name: Campus Network.net_15
65 # Iface Name      IP Address      Subnet Mask      Connected Link
66 # -----
67     IF0                192.0.8.2      255.255.255.0  Campus Network.net_15 <-> router_3
68
69
70 # Node Name: Campus Network.router_4
71 # Iface Name      IP Address      Subnet Mask      Connected Link
72 # -----
73     IF0                192.0.10.1     255.255.255.0  Campus Network.net_16 <-> router_4
74     IF1                192.0.11.1     255.255.255.0  Campus Network.net_17 <-> router_4
75     IF10               192.0.9.2      255.255.255.0  Campus Network.router_3 <-> router_4
76     IF11               192.0.6.2      255.255.255.0  Campus Network.router_4 <-> router_2
77
78
79 # Node Name: Campus Network.net_16
80 # Iface Name      IP Address      Subnet Mask      Connected Link
81 # -----
82     IF0                192.0.10.2     255.255.255.0  Campus Network.net_16 <-> router_4
83
84
85 # Node Name: Campus Network.net_17
86 # Iface Name      IP Address      Subnet Mask      Connected Link
87 # -----
88     IF0                192.0.11.2     255.255.255.0  Campus Network.net_17 <-> router_4

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