# 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) sentreceived 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

```
#
# Purpose: Contains IP address information for all active
#          interfaces in the current network model.
#          (created by exporting this information from the model.)
#

# Node Name: Campus Network.router_1
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         ---------------- ---------------- ----------------
   IF0                  192.0.0.1      255.255.255.0  Campus Network.net_10 <-> router_1
   IF1                  192.0.1.1      255.255.255.0  Campus Network.net_11 <-> router_1
   IF10                 192.0.2.1      255.255.255.0  Campus Network.router_2 <-> router_1
   IF11                 192.0.3.1      255.255.255.0  Campus Network.router_1 <-> router_3


# Node Name: Campus Network.net_10
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         ---------------- ---------------- ----------------
   IF0                  192.0.0.2      255.255.255.0  Campus Network.net_10 <-> router_1


# Node Name: Campus Network.net_11
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         ---------------- ---------------- ----------------
   IF0                  192.0.1.2      255.255.255.0  Campus Network.net_11 <-> router_1


# Node Name: Campus Network.router_2
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         ---------------- ---------------- ----------------
   IF0                  192.0.4.1      255.255.255.0  Campus Network.net_12 <-> router_2
   IF1                  192.0.5.1      255.255.255.0  Campus Network.net_13 <-> router_2
```

```
   IF10                192.0.2.2     255.255.255.0  Campus Network.router_2 <-> router_1
   IF11                192.0.6.1     255.255.255.0  Campus Network.router_4 <-> router_2


# Node Name: Campus Network.net_12
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         -------------- -------------- ----------------
   IF0                 192.0.4.2     255.255.255.0  Campus Network.net_12 <-> router_2


# Node Name: Campus Network.net_13
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         -------------- -------------- ----------------
   IF0                 192.0.5.2     255.255.255.0  Campus Network.net_13 <-> router_2


# Node Name: Campus Network.router_3
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         -------------- -------------- ----------------
   IF0                 192.0.7.1     255.255.255.0  Campus Network.net_14 <-> router_3
   IF1                 192.0.8.1     255.255.255.0  Campus Network.net_15 <-> router_3
   IF10                192.0.3.2     255.255.255.0  Campus Network.router_1 <-> router_3
   IF11                192.0.9.1     255.255.255.0  Campus Network.router_3 <-> router_4


# Node Name: Campus Network.net_14
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         -------------- -------------- ----------------
   IF0                 192.0.7.2     255.255.255.0  Campus Network.net_14 <-> router_3


# Node Name: Campus Network.net_15
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         -------------- -------------- ----------------
   IF0                 192.0.8.2     255.255.255.0  Campus Network.net_15 <-> router_3


# Node Name: Campus Network.router_4
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         -------------- -------------- ----------------
   IF0                 192.0.10.1    255.255.255.0  Campus Network.net_16 <-> router_4
   IF1                 192.0.11.1    255.255.255.0  Campus Network.net_17 <-> router_4
   IF10                192.0.9.2     255.255.255.0  Campus Network.router_3 <-> router_4
   IF11                192.0.6.2     255.255.255.0  Campus Network.router_4 <-> router_2


# Node Name: Campus Network.net_16
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         -------------- -------------- ----------------
   IF0                 192.0.10.2    255.255.255.0  Campus Network.net_16 <-> router_4


# Node Name: Campus Network.net_17
#  Iface Name         IP Address     Subnet Mask    Connected Link
#  ----------         -------------- -------------- ----------------
   IF0                 192.0.11.2    255.255.255.0  Campus Network.net_17 <-> router_4
```