

People from “Hululu” country decided that, they want to build a network system for their “University of Hululu”. So they call you, a computer network specialist, to build the network and provided the requirements given below.

- It has six buildings,
 - a. Computer Science and Engineering (Total Hosts: 500)
 - b. Mathematics & Natural Science (Total Hosts: 120)
 - c. Bachelor of Business Administration (Total Hosts: 550)
 - d. Electrical & Electronics Engineering (Total Hosts: 400)
 - e. Department of Architecture (Total Hosts: 50)
 - f. Central Administrative Building. (Total Hosts: 20)
- Every departmental building needs to be connected with the Administrative building dynamically.
- Every departmental building must have an alternate secure path connected with the Administrative building if any case the dynamically connected path fails.
- CSE and MNS department must have a secure path among them.
- Internet must be connected with the CSE department.
- Must have a backup system to handle missing routing entries.

Deliverables

- The network mentioned above should be implemented in packet tracer, with necessary devices and full configuration.
- After completion you should be able to test the conditions imposed.
- As hardcopies, you will have to submit the followings:
 - Network topology diagram with proper labels
 - The configurations of all the routers that you have implemented.
 - VLSM/Network address table.
 - IP address table