

Implementation of subnetting CISCO Packet Tracer:

Steps:

* Create Network Topology.

- Select New - network - generic
- Add devices
- Drag & drop routers, switches, PC's onto the topology.

* Subnetting:

- Use network address 192.168.0.1/24 and a /27 subnet mask, providing 8 subnets with 30 hosts addresses each.

* Configure router:

- Right click the router, select CLI and enter.
- Replace [IP] and [subnet mask] with appropriate values for each interface.

* Configure switch

* Configure PC, configure gigabit ethernet

* Test network using ping command

Result: Thus, the subnetting has been implemented in CISCO packet tracer successfully.