

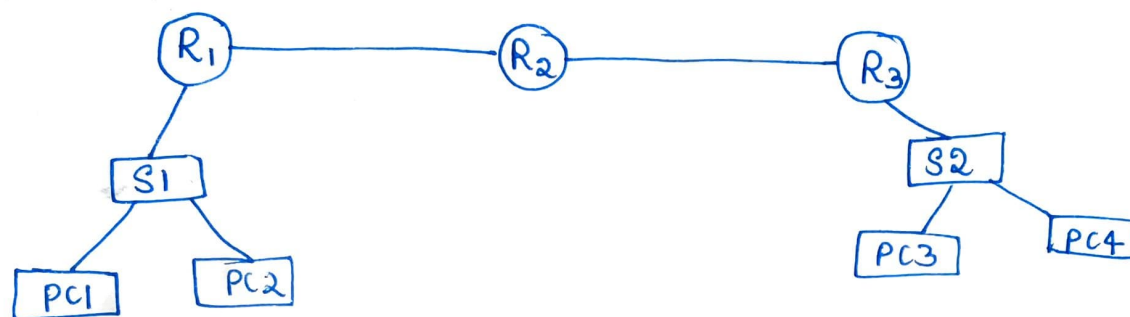
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CN - Lab 4

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How to configure default route to the routers.

The topology consists of 4 end devices, 2 switches and 3 routers.



PC1 & PC2 are having gateway as 10.0.0.1 & IP addresses 10.0.0.10 & 10.0.0.11 respectively.

Similarly PC3 and PC4 are having default gateway address as 40.0.0.1 and IP addresses 40.0.0.10 and 40.0.0.11 respectively.

Router R2 is configured with static IP routes.

Routers R1 & R2 are configured with default route.

Using the command
ip route 0.0.0.0 0.0.0.0 <next-hop address>

Outcome :

- * When a default route is specified for a router, ~~irrespective of the destination~~ whenever a packet arrives at the router, ~~irrespective of the destination address of the packet~~ the packet is forwarded to the default-hop address [specified in routing table].
- * This reduces the overhead of specifying routing addresses ^{for each network} when 3 or more networks are connected in series [through router to router].

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