

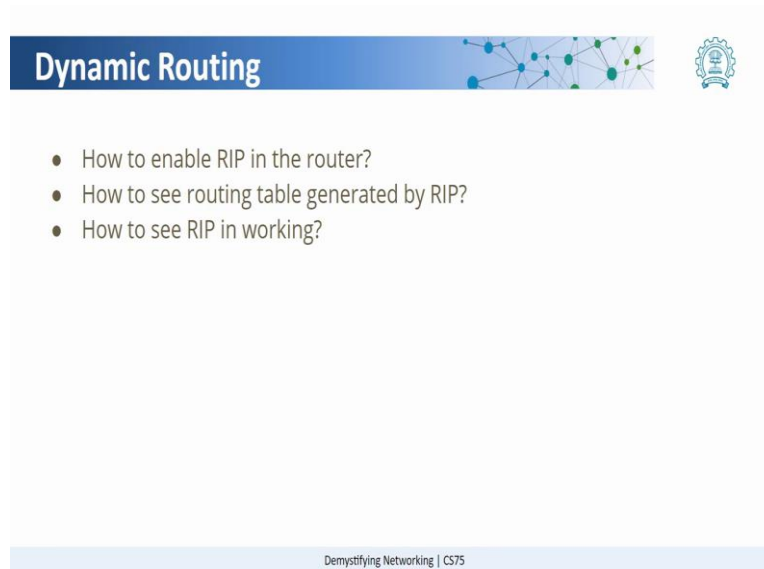
Demystifying Networking
Department of Computer Science and Engineering
Indian Institute of Technology, Bombay

Lecture – 50
Setting up dynamic routing in Packet Tracer

So, we just saw how dynamic routing works and how routers get to know all these information. So, now, let us get into the Cisco Packet Tracer and see this magic of dynamic routing with our own eyes.

Hello all, welcome to this packet tracer video on dynamic routing.

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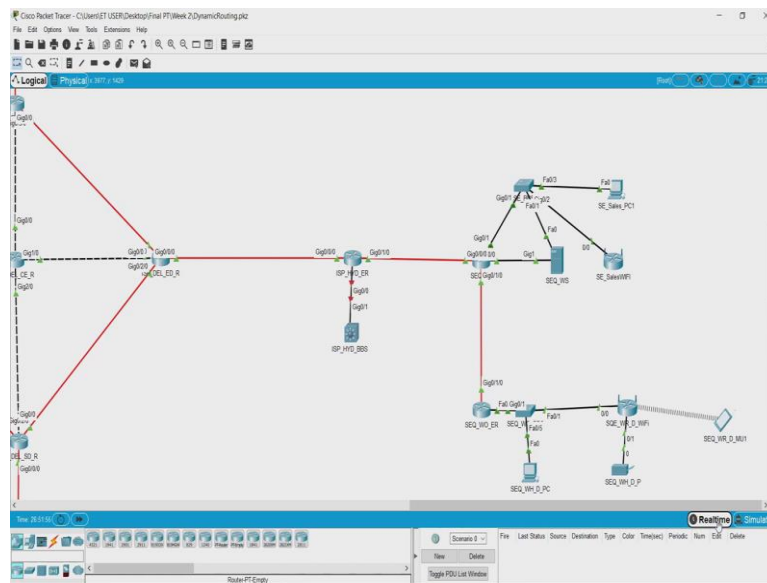
The slide features a blue header with the text "Dynamic Routing" and a network diagram. To the right of the header is the IIT Bombay logo. The main content area contains a bulleted list of three items. At the bottom, there is a footer with the text "Demystifying Networking | CS75".

- How to enable RIP in the router?
- How to see routing table generated by RIP?
- How to see RIP in working?

Demystifying Networking | CS75

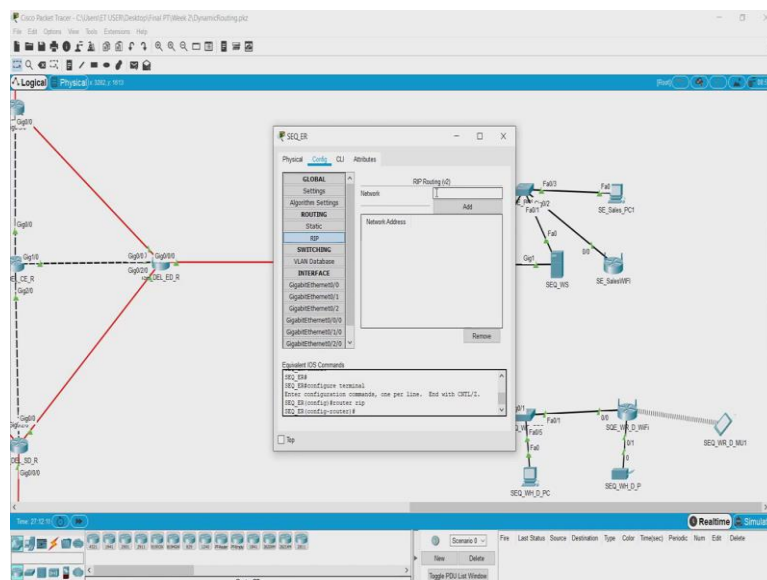
In this video, we will see how to enable RIP in routers, how to see routing table generated by RIP and how to see RIP in working?

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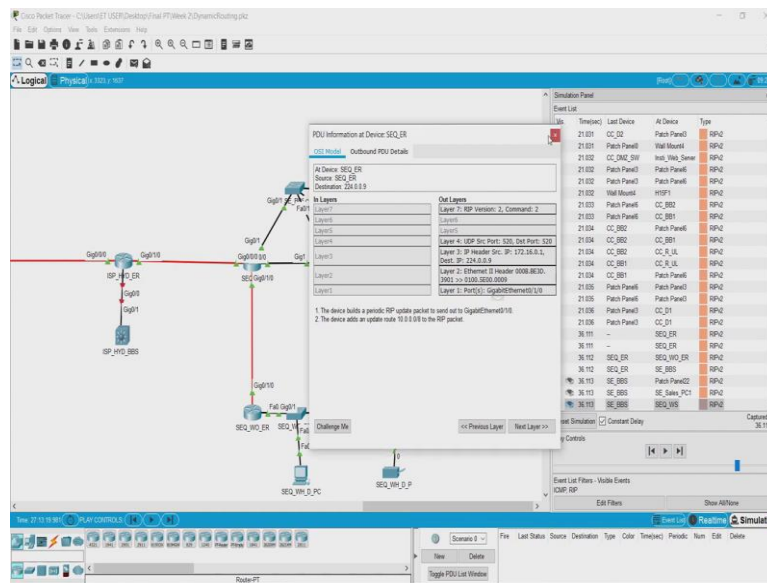
RIP stands for Routing Information Protocol, is one of the protocols which uses distance vector algorithms. Let us look into this section of our network, we see that this router via this port is connected to the gate way and it is managed by the border gateway protocol and this part of the network has a 10 series address and this part of the network has 172 series address.

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So, I need to add those two addresses in this router. I am going to click here and click on RIP, and I just have to tell this router, which all network it knows. For example, here it knows 172.16.0.0 and it also knows about the 10 series.

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So, I have added these two networks and we can see in simulation that RIP packets are actually sent from that router to other routers. If we can open one RIP packet, then we can see that the device builds a periodic RIP update packet to send out to GigabitEthernet0/1/0 that is this and it adds an update route of 10 series to the RIP packet, so that is being sent now. This is how you set up RIPs in a router.

In packet tracer, we just saw how we can make the routing tables populate by themselves using the magic of dynamic routing.

Yes and we also saw, how we can briefly configure one of these protocols to enable dynamic routing. So, now is the right time for a quiz that you know the magic of dynamic routing.