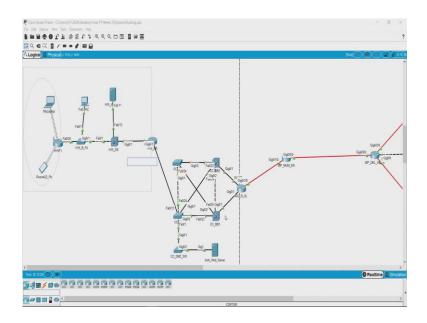
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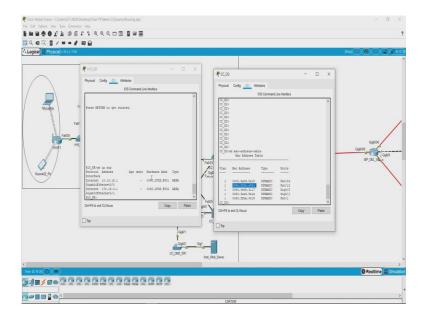
Lecture – 42 How does a Switch Forwards Packets? (CPT)

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What does a switch do? Switch keeps track of what hardware devices are connected to it along what ports by recording the MAC addresses of those devices. If the MAC address of a device is not found, it usually floods the packet to all the devices connected to it.

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Now, let us see what devices are connected to the switch by giving the command 'sh mac-address-table'. Now we can see that there are 1, 2, 3, 4, 5 interfaces 1, 2, 3, 4, 5 and then we can also see the corresponding MAC addresses of the those devices which are connected on those ports. For example, on the port 'Fa0/13', a router is connected and the MAC address of that router is this '0060.2f2e.e901'. Similarly, for other interfaces these are the corresponding MAC addresses.

Let us check if we can also we can see that '0060.2f2e.e901', the MAC address is actually here.