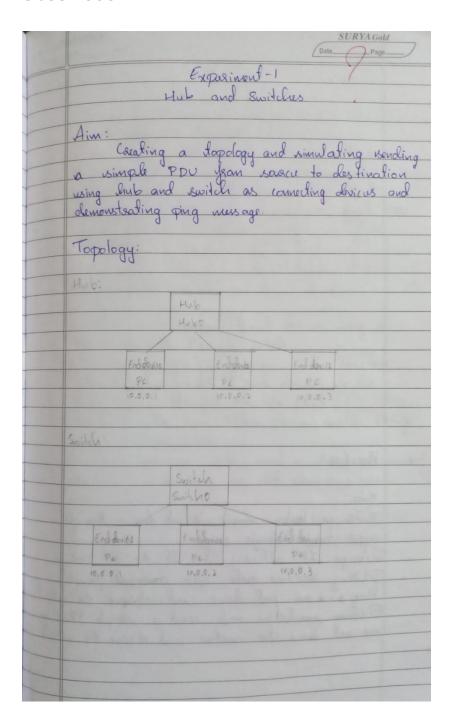
EXPERIMENT-1

Create a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting devices and demonstrate ping messages.

Observation:

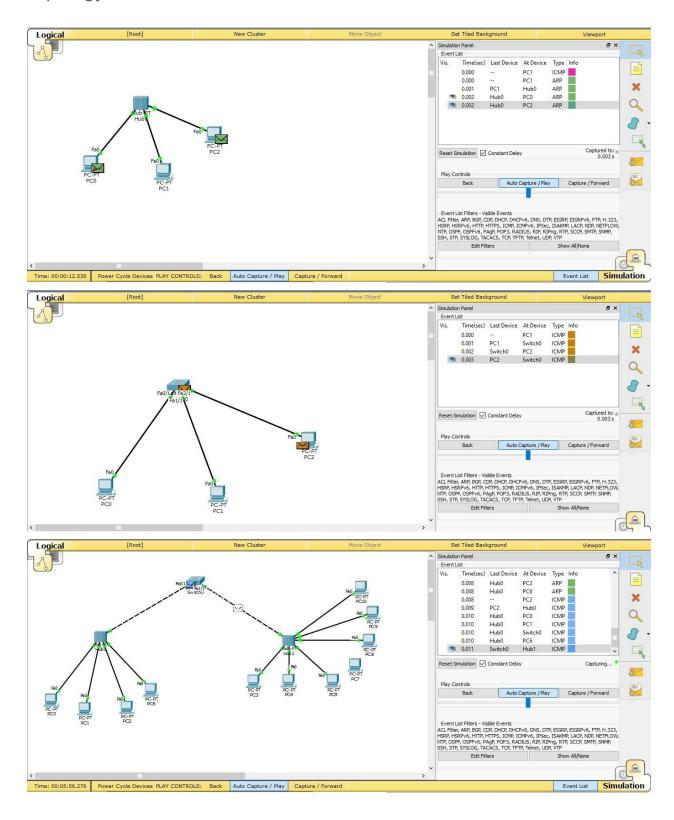


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| | Procedule: | | | | | | | | | |
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| | Hub: | | | | | | | | | |
| | To a hub, connect 3 and devices through a | | | | | | | | | |
| | 2 Assign IP addresses to all the end devices | | | | | | | | | |
| | 3 Assign | IP adds | resses to | all the | end d | buices. | - | | | |
| | Dising seal-fine male, open command prompt'. Ping a n an end device and observe the output. Ouring simulation mode, send a simple PDU from one and device to quother and observe the output. | | | | | | | | | |
| | | | | | | | | | | |
| | very simulation made, send a simple PDV for | | | | | | | | | |
| | ora and | orvid No | another | and ob | serve the | output | | | | |
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| Switch: To a switch, connect 3 and devices throughto express straight shrough catale. Thising seal time mode, open 'command prompt'. Program and assert device and observe the output. Thing simulation made, a send a simple POU from one and device do another and observe and observe. Switch-hub: To a hab, connect't send devices using a copper-straight strangh catale. To another hub, countanize if he have an extra part. (ownert T and devices to the hub using copper-straight through catale. To connect the two habes to a switch neing appear cossesses catale. Whing send time mode, send a simple PDO from one and device to another and observe output. Result: | | Natu Page |
|---|--|--|
| O To a switch, connect 3 and obvious through a reppear istraight through cable. Thising seat time made, open 'command prompt'. Ping an und observe the output. Whing simulation made, a send a simple pour from one and device do another and observe output. To a hab, connect to another and observe output. To another hub, countanize it to have an extra post. Connect T and devices to the hub using copper-straight through cable. To another hub, countanize it to have an extra post. Connect T and devices to the hub using copper-straight through cable. To be the five habes to a switch neing copper cossaus cable. Define and ging an end device. Observe of the output. Suing simulation made, send a simple PDO from one end device to another and observe | | |
| copper straight through cable. This ign IP addresses do all the end devices. This ign IP addresses do all the end devices. This ign IP addresses do all the end devices. The an end device and observe the output. Whing simulation made, a send a simple pour from one end device do another and observe output. To a hab connect to another and observe output. To a hab connect to another and observe an endra past. Connect T and devices to the bub using copper steaight through cable. To another hub, country and devices to the bub using copper steaight through cable. Connect the two habs to a switch using copper consecution habs to a switch using copper steaight made, send a switch using copper in a ding an end device. Observe of the output. Suing simulation mode, send a simple PDU years one end device to another and observe output. | Swith: | |
| Switch-hub: O To a hub connect of zend devices using a copper-estraight strangh cable. To another hub, countanize it to have an extra part. Connect T and devices to the hub using copper-straight through cable. 3 Connect the two hubs to a switch using copper consumer cable. A Using real-time mode, send a so open common prompt and ging an end device. Observe of the output. Suing simulation mode, wond a simple PDO storm one end device to another and observe output. | 10ppox- straight through cable. 2) Assign IP addresses to all the 3) Using real fine mode, open 'commo an and were device and observe the 4) Using simulation made, a send a Soon one and device to another | end devices. and prompt's Pince output. |
| O To a hab, connect & send devices using a copper-steaight through cable. D To another hub, countanize it to have an extra post. Connect T and devices to the hub using copper-straight through cable. D Connect the two habes to a switch using copper cossessing cable. D Using real-time mode, send a so open common prompt and ging an end device. Observe of the output. D Vsing simulation mode, send a simple PDO spom one and device to another and observe output. | output- | 200 |
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| 3 Connect the two habs to a switch using copper common copper common poing and ging an end dovice. Observe of the output. So Using simulation mode, wond a simple PDO from one and device to another and observe output. | using copper- straight through call | Xe , |
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| Jean one end device to another and observe output. | prompt and ging an und device | O DISSOLUTION |
| output. | The output. | O PDO |
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| and the second and have decreased | from one end device to another an | ox opposition |
| Rosult: | output. | |
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| | Result: | A |
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| | DataPage |
|-----|--|
| | Hub: |
| | Pinging 10.0.0.2 with 32 bytes of dada: |
| 101 | Reply from 10.0.0.2: bytes=32 time=1ms TTL=128 Reply from 10.0.0.2: bytes=32 time=0ms TTL=128 Reply from 10.0.0.2: bytes=32 time=0ms TTL=128 Reply from 10.0.0.2: bytes=32 time=0ms TTL=128 |
| | Ping statistics you 10.0.0.2: Packate: Sout 4, Recieved 4, Lost = 0 (0°1- Loss), Approximate acund kip times in milli-seconds: Minimum=Oms, Maximum=Ims, Ausoge=Oms. Soitch: |
| | Pinging 10.0.0.2 with 32 bytes of data: |
| 1 | Reply from 10.0.0.2: bytes=32 time=1 ms TTL=128 Reply from 10.0.0.2: bytes=32 time=1 ms TTL=128 Reply from 10.0.0.2: bytes=32 time=0 ms TTL=128 Reply from 10.0.0.2: bytes=32 time=5 ms TTZ=128 |
| | Ping statistics for 10.0.0,2: Packats: Sout=4, Recioned=4, Lost=0(07. Loss) |
| | Appsoniuale round Laip lines in milli-seconds: Minimum oms, Manimum oms, Aneroge-Ims. |
| | |

Topology:



Result:

