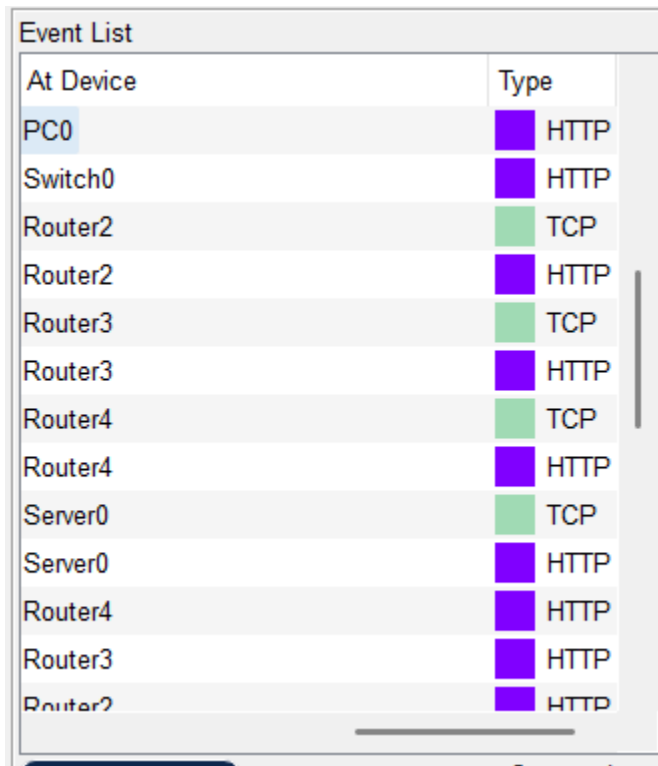


Lab 04 – Networking
E/21/291

I. Which protocols are visible in the simulation panel during the web access?



At Device	Type
PC0	HTTP
Switch0	HTTP
Router2	TCP
Router2	HTTP
Router3	TCP
Router3	HTTP
Router4	TCP
Router4	HTTP
Server0	TCP
Server0	HTTP
Router4	HTTP
Router3	HTTP
Router2	HTTP

TCP and HTTP requests were passed among the components to make the connection.

II. Why do those protocols appear when using HTTP?

TCP is used in the transportation layer to establish a successful connection between the PC and the server. therefore until the connection is established TCP request packets will appear in the simulation

HTTP is an application layer protocol that is used on the internet to deliver and request website information.

III. Describe the packet content and flow observed in the simulation

Initially the PC will send TCP requests along the connection to the server and the server will respond to the TCP and send a request back to the PC along the connection to establish the connection between the server and the pc. Next the application in the pc will send a HTTP request, depending on the size of the request the data contained might be divided among TCP segments. after the server processes the data it sends back a HTTP response to the pc.