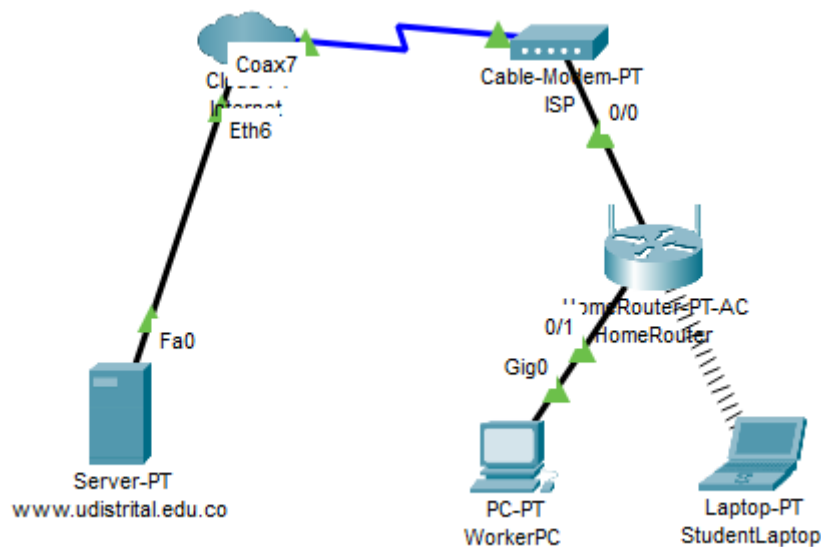Report – Workshop #1:

Network design:

The network was design according to the workshop statement; the central device of the diagram is the cloud-PT and the cable modem - PT, because plays the ISP role together. For the left of the network, the university server was put, and the right the user access was installed:
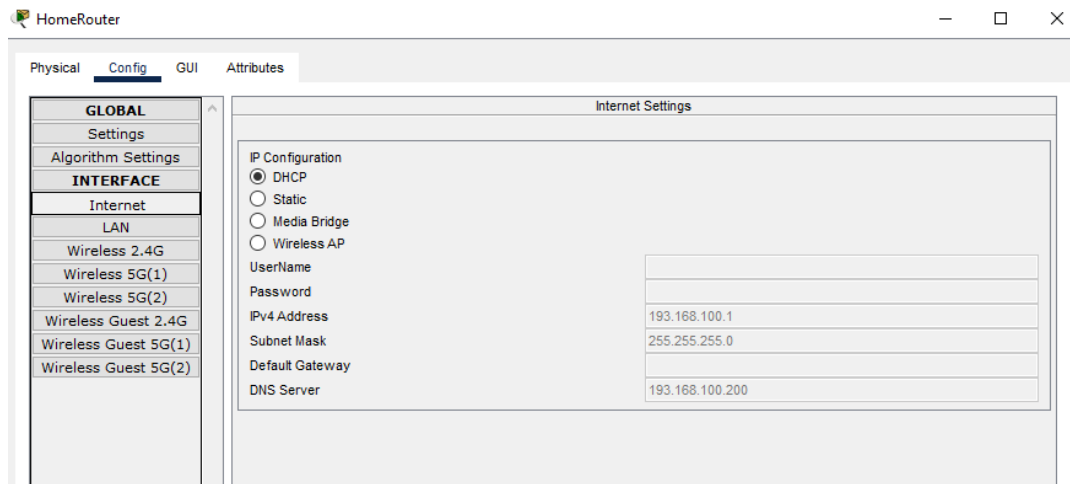

Finally, the network model consideration was the "tree", with the expansion possibility for the university network (more servers, some personal pcs for workers) and for the user side, testing with more students' devices, LAN networks in houses and other web sites.

Technical decisions:

- The select expansion modules, were important for the final connection of personal devices with the university server, the WPC300N allows working with the computer graphic interface for wireless, and the PT-HOST-NM-1CGE allows the gigabit Ethernet connection with the home router.
- The select router Home Router PT-AC, was important because this device has some wireless options, and more customization for the velocities of each network, (important for the pc wireless adaptor).
- Finally, all connections ports are show at the packet tracer interface for more compression.

Test Results:

- DHCP, in action for the Home Router:

- www.udistrital.edu.co , from Student Laptop:

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