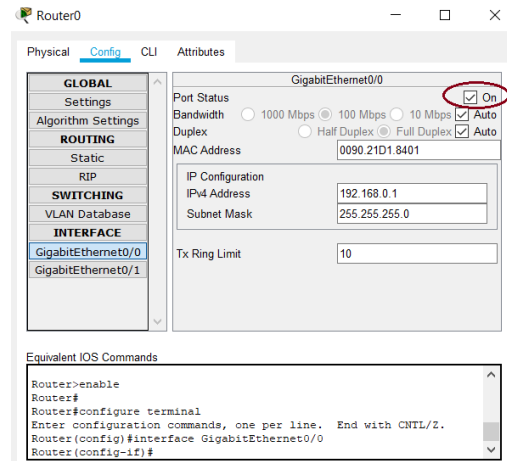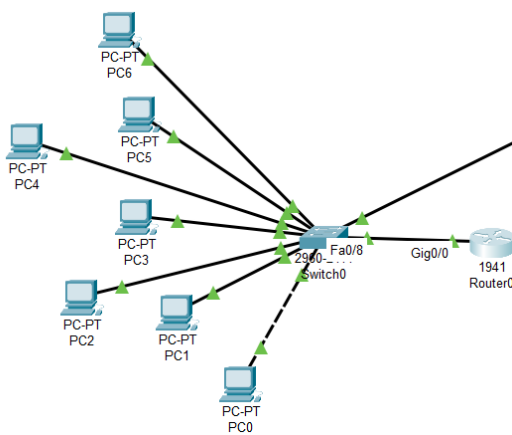# Basics. DHCP. DNS. WI-FI

To connect multiple computers we need a switch.

We add a router and check to see on which ethernet we are to give it an address.
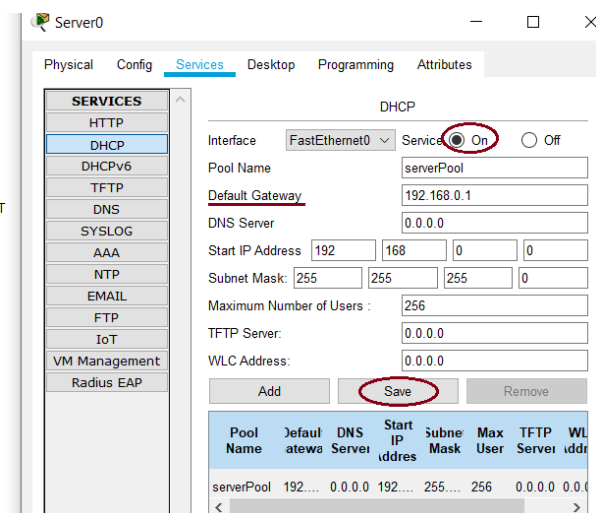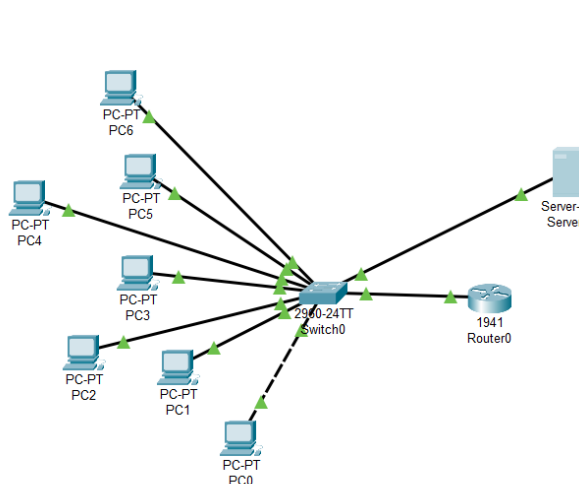
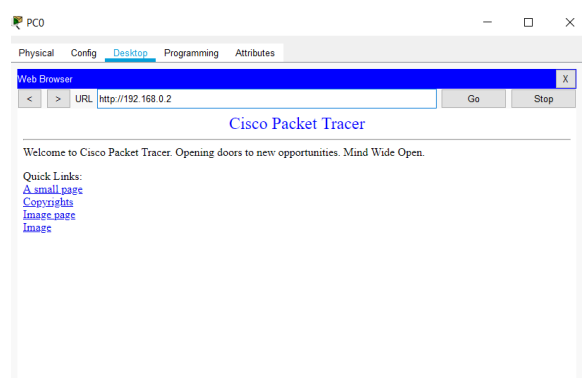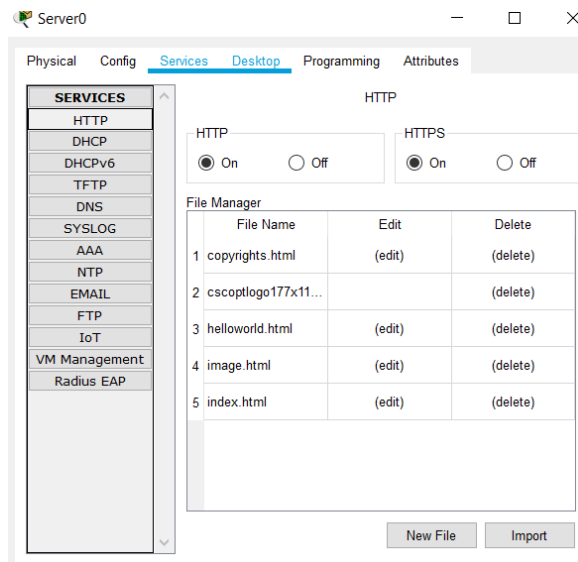Good practice: give it the first address. We set the router to on.

Add a server and we configure the DHCP

- DHCP (*Dynamic Host Configuration Protocol*) = automatically assigning IP addresses and other communication parameters to devices connected to the network using a client server architecture.

We set the *default gateway* which is the *IP of the router*, save and set it on "ON"
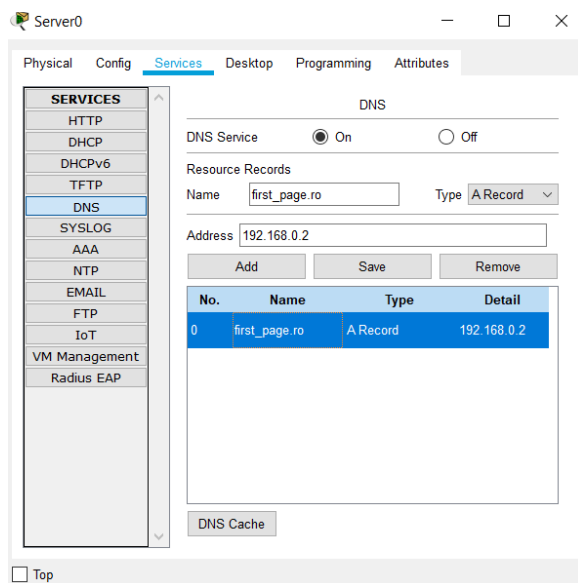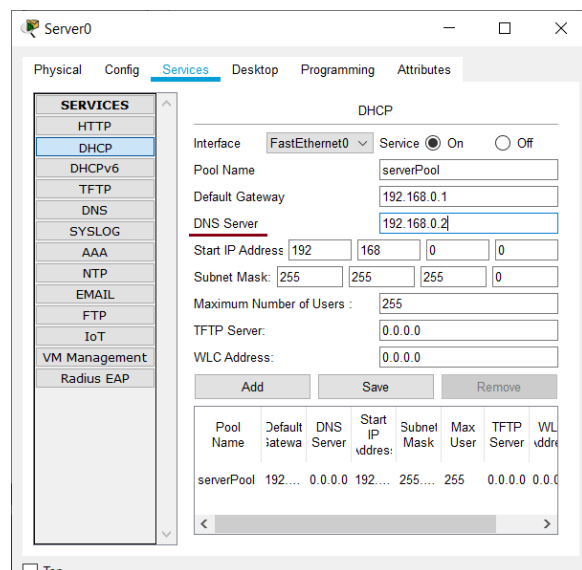

Make a http server

Now, to set a name we activate the DNS

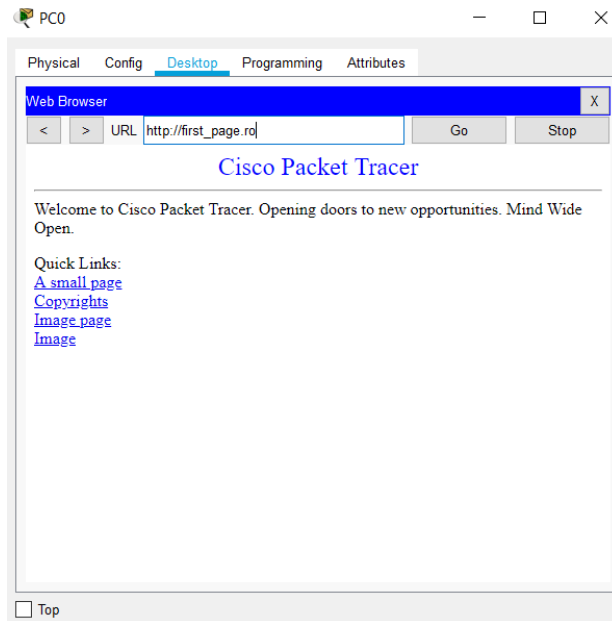We put a name, the address to bind it and we hit save.

Don't forget to activate the DNS by "On"

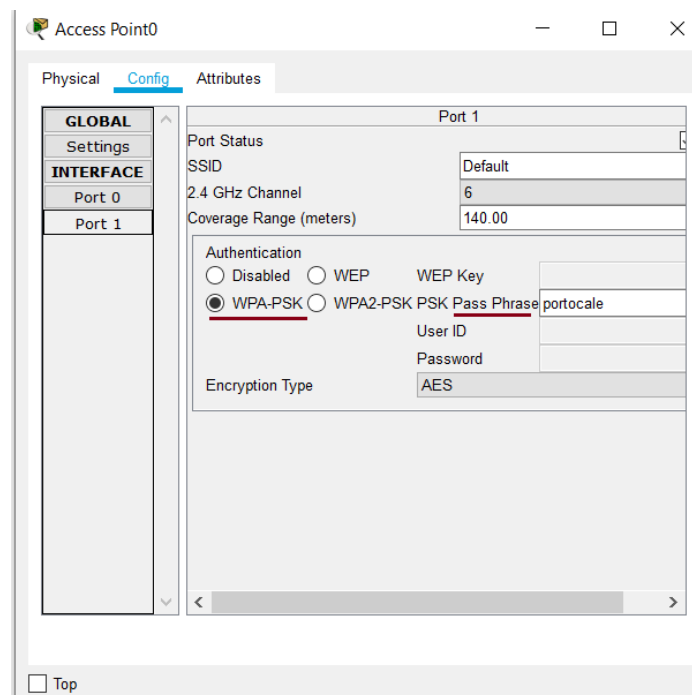To make this work we also have to set the DNS server in the DHCP

Now we can search by the name.
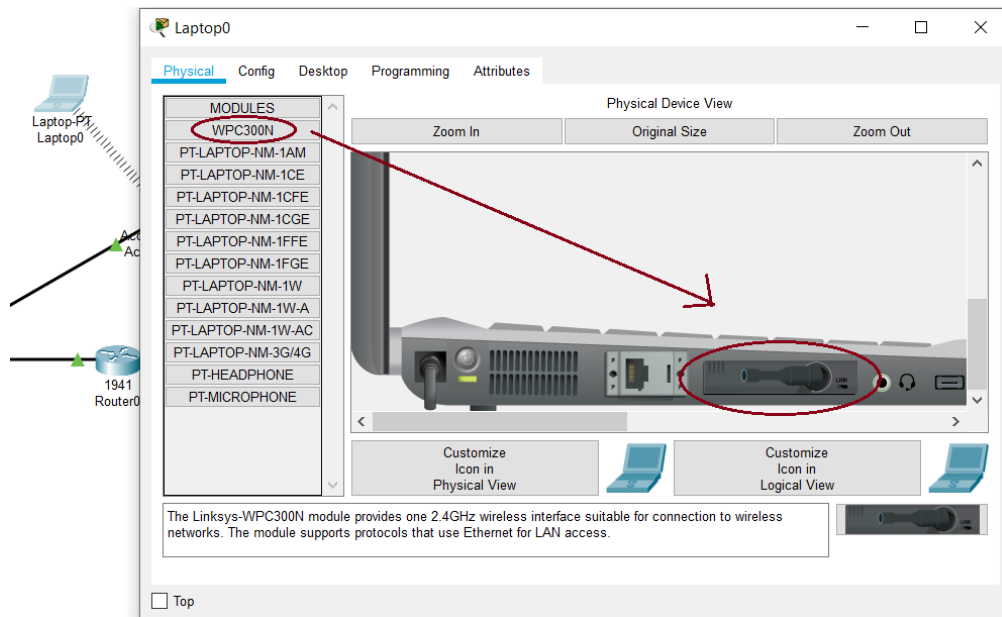
Set the WI FI

Take a router, connect it to the switch and configure it.

Take a laptop and make sure that it has what it needs for making a wi-fi connection.

You can change parts by dragging and dropping.

Note: power off the laptop before changing parts.

Go to Desktop → PC Wireless → Connect and connect to the wi fi.

And we're done.