CSA0734-COMPUTER NETWORKS FOR SERVER MANAGEMENT

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EXPERIMENT 20

Design and configuration of a Smart home using IoT

Aim:

To design and configure a Smart home using IoT.

Tools Required:

1.Smart phone.

2.Home Gateway.

3.Smart window.

4.Ceiling fan.

Procedure:

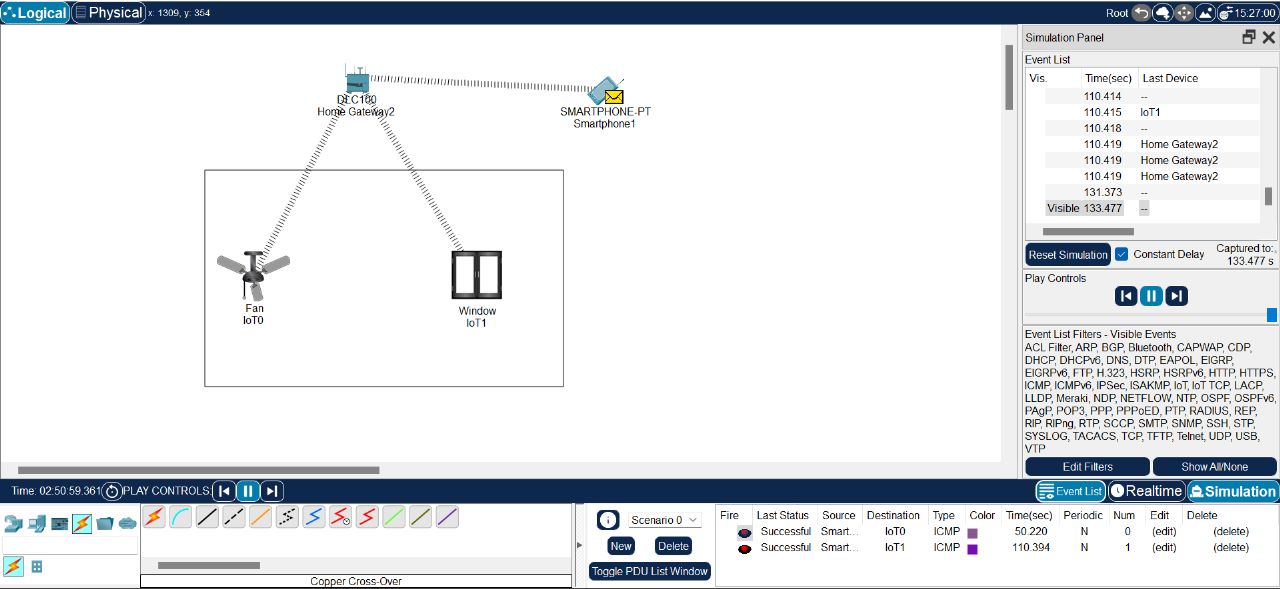
STEP 1: Click on home gateway, select generic device’s drag and drop it on the window. Click on SWITCH drag and drop it on the window.

**STEP** 2: Select the straight through cable and connect all end device to switch. Assign the IP address for all end devices. (Double click the end device Select →desktop → IP configuration static)

**STEP** 3: Now set the IP address to Host A (192.168.1.1) in static mode. Similarly set IP address for Host B (192.168.1.2) and Host C (192.168.1.3) and other Hosts and server.

**STEP** 4: To view the IP address, give ipconfig command in command prompt. Using ping command, we can establish communication between two host devices.

**STEP** 5: Now display the packet transmission in simulation mode.



Result:

Configuration of a Smart home using IoT has been executed using Packet Tracer successfully.