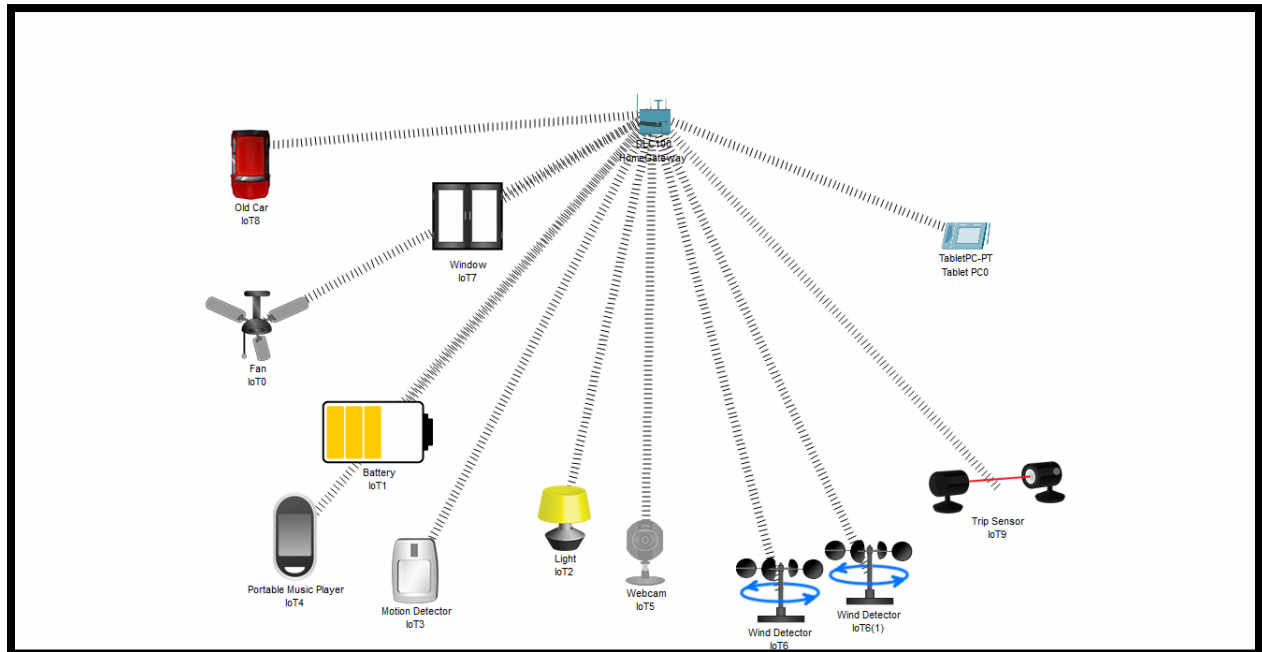
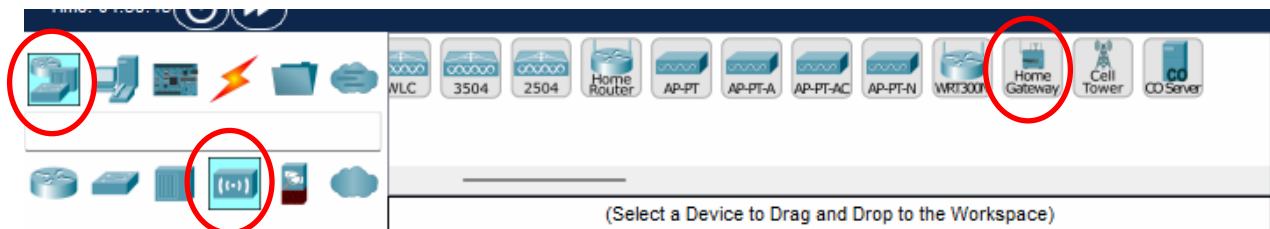


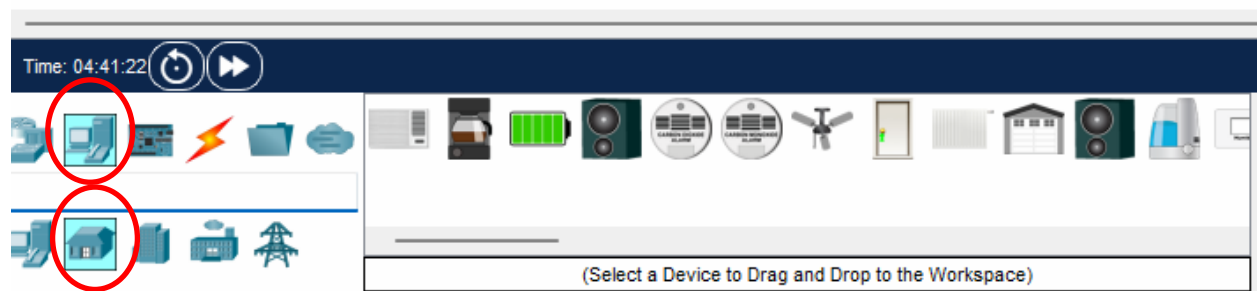
Lab-1: Introduction to IoT



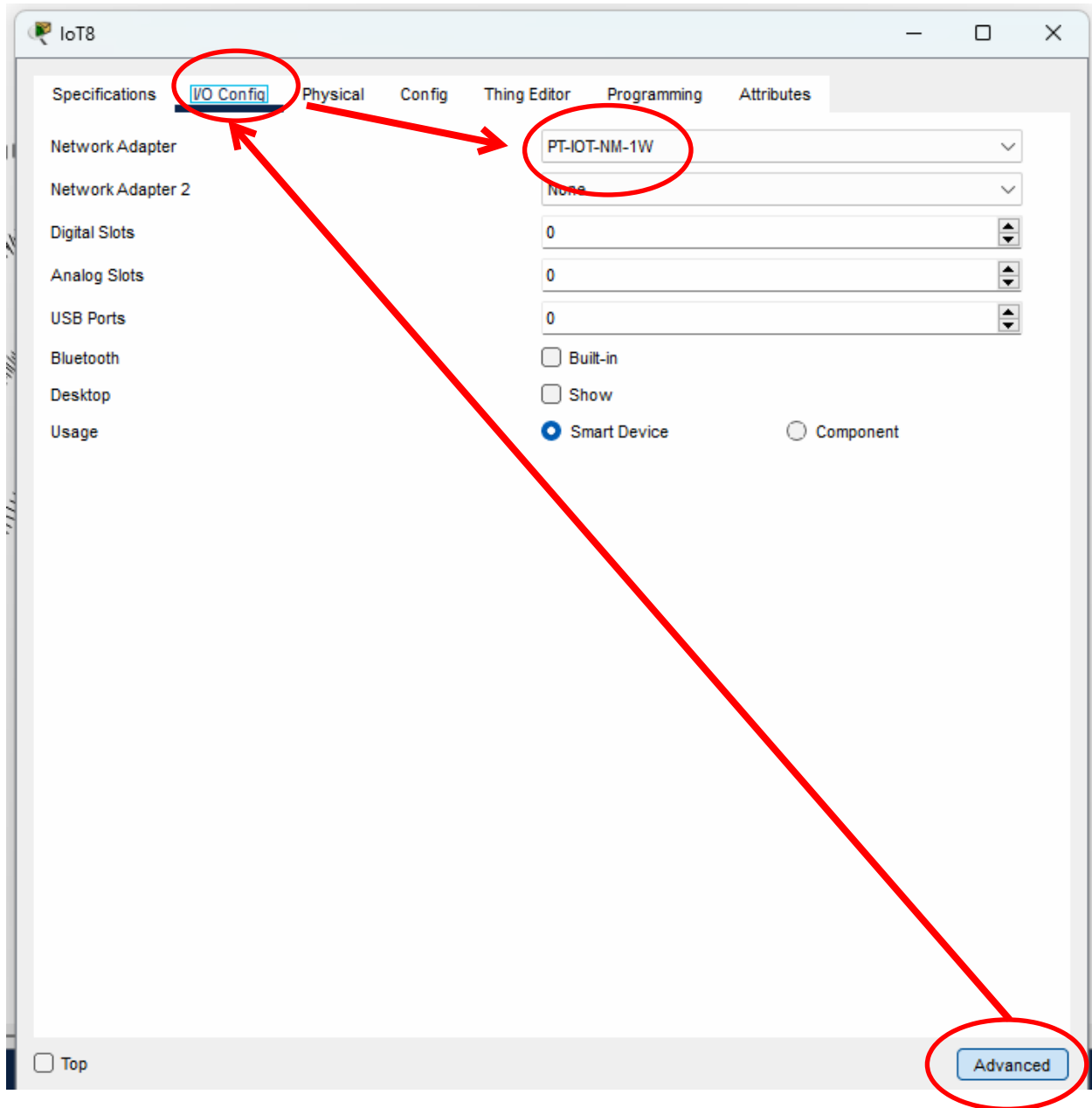
Step1: take home gateway and rename as HomeGateway.



Step2: Take home appliances.



Step3: all are automatically connected to the home gate way. The one who is not connected have to add wireless adapter.



Step 4: To all home appliances –



IoT0

SpecificationsPhysicalConfigAttributes

GLOBAL

Settings

Algorithm Settings

Files

INTERFACE

Wireless0

Bluetooth

Display NameIoT0

Serial NumberPTT08103J31-

InterfacesWireless0

Gateway/DNS IPv4

☒ DHCP

☐ Static

Default Gateway192.168.25.1

DNS Server

Gateway/DNS IPv6

☒ Automatic

☐ Static

Default Gateway

DNS Server

IoT Server

☐ None

☒ Home Gateway

☐ Remote Server

Server Address

User Name

Password

☐ Top

Advanced

Step 5:

To the tab –

Tablet PC0

Physical Config Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Wireless0

3G/4G Cell1

Bluetooth

Wireless0

Port Status ☒ On

Bandwidth 300 Mbps

MAC Address 000B.BED5.631D

SSID HomeGateway

Authentication

☒ Disabled ☐ WEP WEP Key

☐ WPA-PSK ☐ WPA2-PSK PSK Pass Phrase

☐ WPA ☐ WPA2 User ID

☐ 802.1X Method: MD5 Password

Encryption Type Disabled

IP Configuration

☒ DHCP

☐ Static

IPv4 Address 192.168.25.117

Subnet Mask 255.255.255.0

IPv6 Configuration

☒ Automatic

☐ Static

IPv6 Address /

Link Local Address: FE80::00B:BE55:631D

☐ Top

In all other IoT devices we have to add HomeGateway as IoT server



IoT1

Specifications

Physical

Config

Attributes

GLOBAL

Settings

Algorithm Settings

Files

INTERFACE

Wireless0

Bluetooth

Interfaces

Wireless0

Gateway/DNS IPv4

DHCP

Static

Default Gateway

192.168.25.1

DNS Server

Gateway/DNS IPv6

Automatic

Static

Default Gateway

DNS Server

IoT Server

None

Home Gateway

Remote Server

Server Address

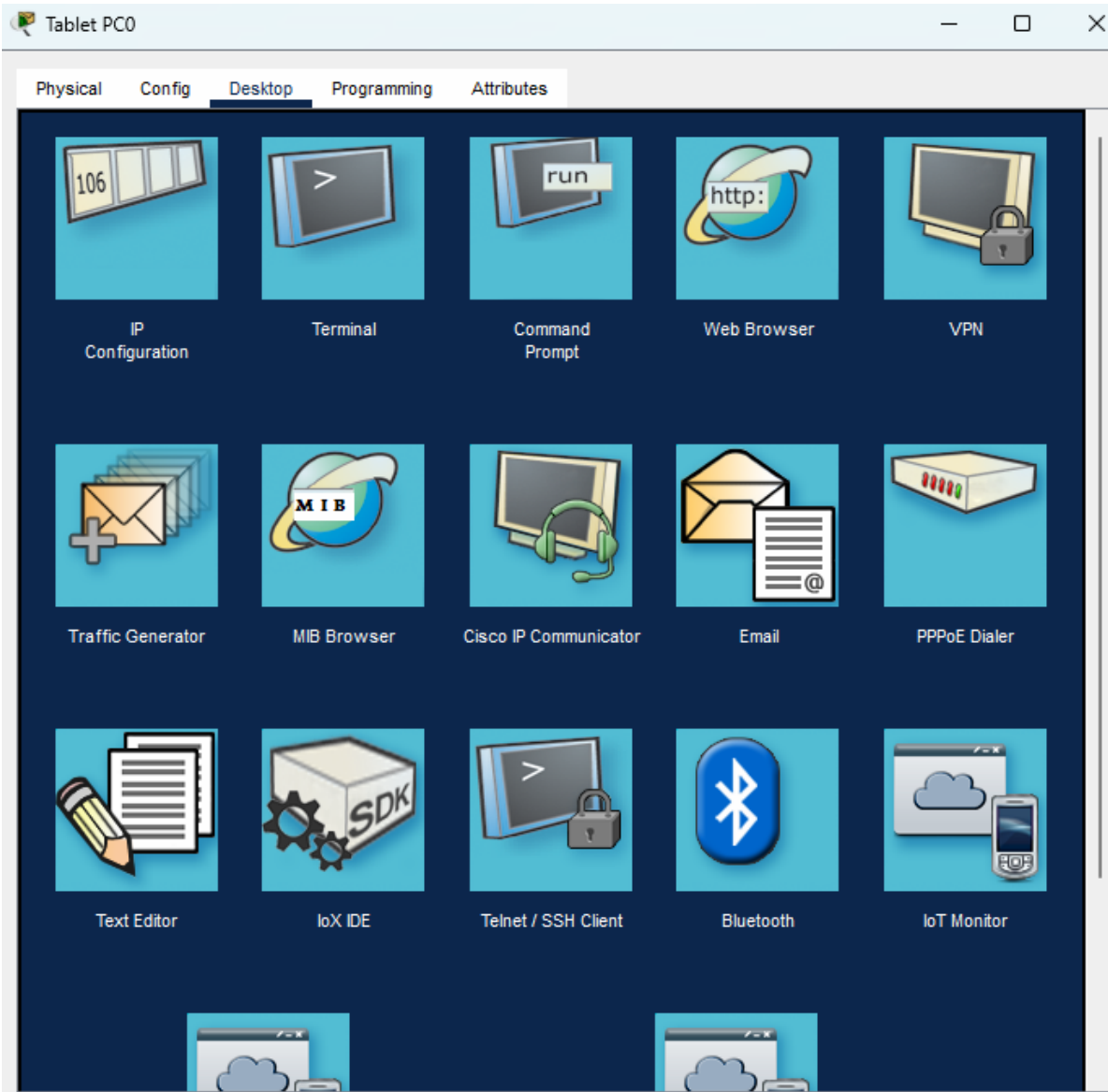
User Name

Password

Top

Advanced

Then,



Tablet PC0

Physical

Config

Desktop

Programming

Attributes

IoT Monitor

X

IoT Server - Devices

Home | [Conditions](#) | [Editor](#) | [Log Out](#)

▶

●

 IoT8 (PTT08106267-)

▶

●

 IoT0 (PTT08103J31-) Ceiling Fan

▶

●

 IoT7 (PTT08105TAM-) Window

▶

●

 IoT1 (PTT0810JB82-) Battery

▶

●

 IoT4 (PTT081032WH-) Portable Music Player

▶

●

 IoT3 (PTT0810M687-) Motion Detector

▶

●

 IoT2 (PTT0810UQUX-) Light

▶

●

 IoT5 (PTT0810HT07-) Webcam

▶

●

 IoT6 (PTT08106N61-) Wind Detector

▶

●

 IoT9 (PTT0810ZHCB-) Trip Sensor

▶

●

 IoT6(1) (PTT0810QYQ5-) Wind Detector

☐ Top