

### Install and Configure Devices

Connect all devices to a switch or gateway

choose ip dhcp

connect IoT devices to the server

Remote Server ( IP,username,password)

### Diabetic Patient

configure home gateway: ip and select dhcp

monitor values at different devices

### Installing Lubuntu

use network bridge in vm settings

UserID: password = osboxes / osboxes.org

IN linux: sudo su && apt install net-tools

### Packet Tracer 1

Assessment Items	Status	Points	Component(s)	Feedback		
Network						
Ceiling Fan	IoT Server	Correct	1	Other		
Ports	Wireless0	Dhcp client e...	Correct	1	Ip	
Wireless0	IP Address	Correct	2	Ip		
Coffee Pot	IoT Server	Correct	1	Other		
Ports	FastEthernet0	Correct	1	Ip		
FastEthernet0	Dhcp client e...	Correct	1	Ip		
IP Address	Correct	2	Ip	Ip		
Home Gateway	Internet	Correct	0	Other		
Ports	Dhcp client e...	Correct	1	Ip		
Internet	Correct	0	Other	Ip		
Wireless0	Security Mode	Correct	0	Other		
Pass Phrase	Correct	2	Other	Other		
SSID	Correct	2	Other	Other		
Lamp	IoT Server	Correct	1	Other		
Ports	Wireless0	Dhcp client e...	Correct	1	Ip	
Wireless0	IP Address	Correct	2	Ip		
Laptop	Ports	Wireless0	Dhcp client e...	Correct	0	Ip
Wireless0	IP Address	Correct	2	Other		
Wireless	SSID	Correct	1	Other		
PC	Ports	FastEthernet0	Correct	0	Other	
FastEthernet0	Dhcp client e...	Correct	0	Ip		

### Web

```
$ npm install webthing
const {
  Action,Event,Property,SingleThing,Thing,Value,
  WebThingServer,
} = require('webthing'); performAction() {
  return new Promise((resolve) => { setTimeout(() =>
  {
    this.thing.setProperty('brightness', this.input.b-
    rightness);
    this.thing.addEvent(new OverheatedEvent(this.t-
    hing, 102));
    resolve();
  }, this.input.duration);
  }); thing.addProperty(
    new Property(thing,
      'on',
      new Value(true),
      {
        '@type': 'OnOffProperty',
        title: 'On/Off', type: 'boolean', });});
```

### Packet Tracer 2

Assessment Items	Status	Points	Component(s)	Feedback
Network	Correct	0	Other	Correct

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Not published yet.

Last updated 20th May, 2020.

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