

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	Correct	1	Other	
Ports				
IoT Server	Correct	1	Ip	
Wireless	Correct	2	Ip	
DHCP client e...	Correct	2	Ip	
IP Address	Correct	1	Other	
Coffee Pot	Correct	1	Other	
Ports				
FastEthernet0	Correct	1	Ip	
DHCP client e...	Correct	2	Ip	
IP Address	Correct	1	Other	
Home Gateway	Correct	0	Other	
Internet	Correct	0	Other	
Wireless	Correct	0	Other	
Security Mode	Correct	2	Other	
Pass Phrase	Correct	2	Other	
SSID	Correct	1	Other	
Lamp	Correct	1	Other	
Ports				
IoT Server	Correct	1	Ip	
Wireless	Correct	2	Ip	
DHCP client e...	Correct	2	Ip	
IP Address	Correct	1	Other	
Laptop	Correct	0	Other	
Ports				
Wireless	Correct	0	Other	
DHCP client e...	Correct	1	Other	
IP Address	Correct	0	Other	
PC	Correct	0	Other	
Ports				
FastEthernet0	Correct	0	Other	
DHCP client e...	Correct	1	Ip	

Web

```
$ npm install webthing

const {
  Action,Event,Property,SingletThing,Thing,Value,
  WebThingServer,
} = require('webthing'); performAction() {
  return new Promise((resolve) => { setTimeout(() => {
    this.thing.setProperty('brightness',
    this.input.brightness);
    this.thing.addEvent(new OverheadEvent(
    this.thing, 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		0	Other	Correct