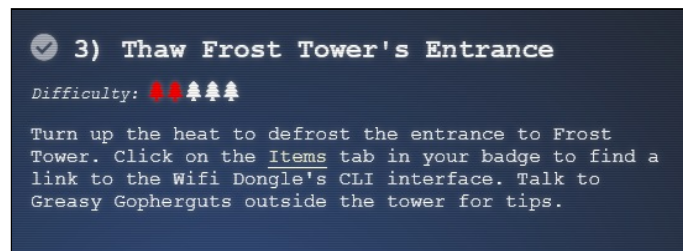
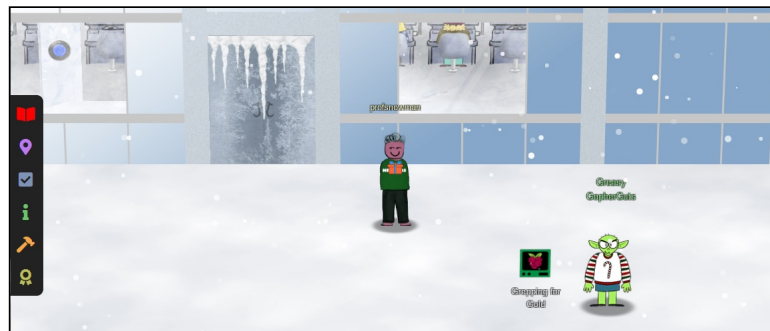


# KringleCon 4: Calling Birds!

## 3) Thaw Frost Tower's Entrance



1. Click the **Map** (Destinations) icon and then click **The North Pole**
2. Move **Up** to Frost Tower



3. Click the **Hammer** (Items) icon
4. Click **Open WiFi CLI**
5. Type `iwlist wlan0 scanning`

```
wlan0    Scan completed :
          Cell 01 - Address: 02:4A:46:68:69:21
                    Frequency:5.2 GHz (Channel 40)
                    Quality=48/70  Signal level=-62 dBm
                    Encryption key:off
                    Bit Rates:400 Mb/s
                    ESSID:"FROST-Nidus-Setup"
```

6. Type `iwconfig wlan0 essid "FROST-Nidus-Setup"`

```
** New network connection to Nidus Thermostat detected! Visit http://nidus-setup:8080/ to
complete setup
(The setup is compatible with the 'curl' utility)
```

7. Type `curl http://nidus-setup:8080/`

## Nidus Thermostat Setup

WARNING Your Nidus thermostat is not currently configured! Access to this device is restricted until you register your thermostat » /register. Once you have completed registration, the device will be fully activated.

In the meantime, Due to North Pole Health and Safety regulations  
42 N.P.H.S 2600(h)(0) - frostbite protection, you may adjust the temperature.

API

The API for your Nidus Thermostat is located at `http://nidus-setup:8080/apidoc`

8. Type `curl http://nidus-setup:8080/apidoc`

## Nidus Thermostat API

The API endpoints are accessed via:

`http://nidus-setup:8080/api/<endpoint>`

Utilize a GET request to query information; for example, you can check the temperatures set on your cooler with:

```
curl -XGET http://nidus-setup:8080/api/cooler
```

Utilize a POST request with a JSON payload to configuration information; for example, you can change the temperature on your cooler using:

```
curl -XPOST -H 'Content-Type: application/json' \
  --data-binary '{"temperature": -40}' \
  http://nidus-setup:8080/api/cooler
```

- WARNING: DO NOT SET THE TEMPERATURE ABOVE 0! That might melt important furniture

### Available endpoints

Path	Available without registering?
/api/cooler	Yes
/api/hot-ice-tank	No

/api/snow-shower	No
/api/melted-ice-maker	No
/api/frozen-cocoa-dispenser	No
/api/toilet-seat-cooler	No
/api/server-room-warmer	No

9. Type `curl -XPOST -H 'Content-Type: application/json' \`

10. Type `--data-binary '{"temperature": 1}' \`

11. Type `http://nidus-setup:8080/api/cooler``curl`

```
{
  "temperature": 0.27,
  "humidity": 32.15,
  "wind": 3.28,
  "windchill": -0.33,
  "WARNING": "ICE MELT DETECTED!"
}
```

12. Click the `Close` button



13. Click the `Tick` (Objectives) icon

14. Click `3) Thaw Frost Tower's Entrance`

**3) Thaw Frost Tower's Entrance**

Difficulty:

Turn up the heat to defrost the entrance to Frost Tower. Click on the Items tab in your badge to find a link to the Wifi Dongle's CLI interface. Talk to Greasy Gopherguts outside the tower for tips.