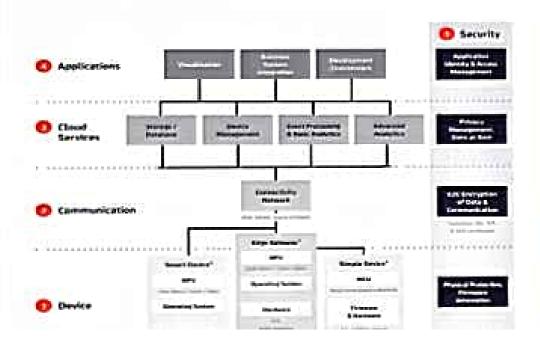
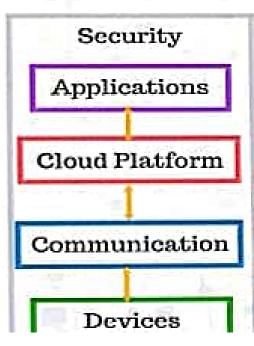
IOT ARCHITECTURE



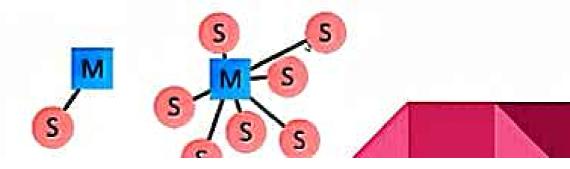


Bluetooth

	Bluetooth IEEE 802.15.1
Application	Cable replacement
Frequency bands	2.4GHz
Bandwidth	1Mbps
Range (meters)	1–10

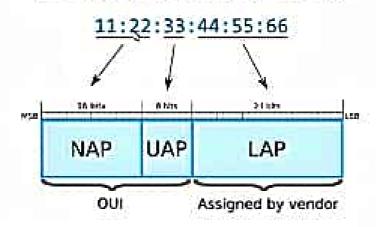
Bluetooth

- Bluctooth networks referred to as piconets use a master/slave model to control.
- A single master device can be connected to up to seven different slave devices.



Bluetooth Addresses

Bluetooth Address (BD_ADDR)



NAP-Non-significant Address Part -- used in Frequency Hopping Synchronization

Tor Communication Technologies



Step 4: Program

of Stream legal;

```
DynamicJsorDocument doc(2022);
desertalizationError error - desertalize(son(doc, input))
if (error) {
  Serial.print(f("deserializeDson() failed: "));
  Serial.println(error.f_str());
 return;
const char* cod . doc["cod"]; // "ion"
int message = doc["message"]; // m
int cot + doc["cot"]; // 7
for (3sonObject list_item : doc["list"].aselsonirray>()) [
  long list_item_dt = list_item[fdt*]; (/.1629364404,.1629277788
   "sencepject list_item_main - list_item["main"];
   float list_item_main_temp * list_item_main["temp"]; 00 12.62, 36.11
   float list_item_main_feels_like = list_item_main["feels_like"]; // 11.82, 35.7
   float list_item_main_temp_min + list_item_main["temp_min"]; A 42.41, 24.41
   float list_item_main_temp_max - list_item_main["temp_max"]; // :\.it. : " :"
   int list_item_main_pressure - list_item_main["pressure"]; / in-- in--
   int list_item_main_sea_level - list_item_main["sea_lexel"]; // innc, inne
   int list_item_main_grad_level = list_item_main['grad_level']; # 754, 752
   int list_item_main_homidity = list_item_main["homidity"]; // 47, 87
   float list_item_main_temp_kf . list_item_main["temp_kf"]; // -7.71, -1.52
```

Copy

Step 2: JSON

Examples: OpenWeatherMap, Reddit

Input

["cod":"200","mersage":0,"cnt":2,"list":[["dt":1629266400,"main":

["temp":32.62,"feels_like":33.82,"temp_min":32.62,"temp_max1:35.34,"pressure":1006,"sea_level":1006,"gund_level":956,"humidity":43,"temp_kt":-2.72],
"weather" [["id":801,"main":"Clouds","description":"few_clouds","icon":102d"]["clouds";"fall":20], "wind".

["speed" 3.11 "deg" 296 "gust" 3.37] "visibility":10000 "pop" 0."sys" ("pod "d") "dt_txt" "2021-08-16.06:00:00") ["dt":1629277200."main"]

["temp":34.31, feels, like: 35.2, 'temp_min':34.31, 'temp_max':37.69, 'pressure': 1004, 'sea_level': 11X4, 'grnd_level':953, 'humidity':37, 'temp_kf':-3.38), 'weather: (["id":201, 'main': Clouds: "description": "few clouds": "icon': "02d")] 'clouds': "fall':15), 'wind':

["speed" 3.77, "deg":5, "gust":4.24), "visibility":10000 "pop":0, "sys":("pod":"d"), "dt_txt":"2021-08-18 09:00:00")], "city":

("id":1269515,"name":"Jaipur","coord";

["lat":26.9167,"lon":75.8167],"country":"IN","population":2711758,"timezone":19800,"sumise":1629246586, "sunset":1629293506])

input length 993.