

## Configure Network Settings

:info: Example application

To illustrate this section, we have included a sample app in our open source projects called [app-wifi](#), which is available in our [Github](#).

### Network Info

This section returns network information registered with the host machine Network Manager. Shows network information for all Ethernet and WiFi devices, including current network addresses and MAC addresses. Here is a sample request

GET Request

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/network/info
```

JSON Response

```
{
  "code": "",
  "details": "",
  "body": {
    "devices": [
      {
        "addresses": [
          "192.168.11.25/24"
        ],
        "device_id": "en01",
        "technology": "ETHERNET",
        "hardware_address": "54:B2:03:09:16:A4",
        "ssid": "",
        "gateway": "192.168.11.1"
      },
      {
        "addresses": [],
        "device_id": "wlpls0",
        "technology": "WIFI",
        "hardware_address": "96:7D:64:E1:2E:BB",
        "ssid": "",
        "gateway": ""
      }
    ]
  }
}
```

### WifiScan

This request will return all available wifi access points and their signal strength

GET Request

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/network/WiFiScan
```

### JSON Response

```
{
  "code": "",
  "details": "",
  "body": {
    "visible_access_points": [
      {
        "ssid": "OAK_5g",
        "hardware_address": "5C:E2:8C:D9:B7:C1",
        "strength_percent": 94
      },
      {
        "ssid": "OAK",
        "hardware_address": "5C:E2:8C:D9:B7:C0",
        "strength_percent": 89
      }
    ]
  }
}
```

## Add Wifi

Adds or overwrites configuration for connecting to a specific WiFi network. The host will then attempt to connect to the network whenever it is available. These settings are persisted until `ForgetWifi` is used.

### POST Request

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/network/AddWifi
```

So if you had added the environmental variable for `{{wifi-ssid}}` and `{{wifi-password}}`

### POST Request Body

```
{
  "ssid": "{{wifi-ssid}}",
  "passphrase": "{{wifi-password}}"
}
```

you could then query the following id see it added to the host machine's Network Manager

## List Known Wifi Networks

Lists the WiFi network configurations that are available to this host.

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/network/ListKnownWiFiNetworks
```

Note that the password is kept private and not listed in this response

#### JSON Response

```
{
  "code": "",
  "details": "",
  "body": {
    "wifi_networks": [
      {
        "ssid": "OAK",
        "passphrase": ""
      }
    ]
  }
}
```

### Forget Wifi

This simply will forget the defined SSID

#### POST Request

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/network/ForgetWiFi
```

#### Request Body

```
{
  "ssid": "{{wifi-ssid}}"
}
```