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1 API Documentation

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1. Title: Get Device ID

Description: Using this API we should get device id in response.

Command: `curl -i -H "Accept: application/json" -H "Content-Type: application/json" -X GET http://192.168.2.1:8080/DeviceId`

Possible Response:

```
{
  "DeviceID": {deviceid}
}
```

2. Title: Get Network Status

Description: Using this API we should get network (internet) status, it is connected or not.

Command: `curl -i -H "Accept: application/json" -H "Content-Type: application/json" -X GET http://192.168.2.1:8080/NetworkStatus`

Possible Response:

```
{
  "IsConnected": {true/false}
}
```

3. Title: Get Device Activation Status

Description: Using this API we will know the device is activated into IoT connect or not. When SDK done with initialization process this flag needs to be set it true.

Command: `curl -i -H "Accept: application/json" -H "Content-Type: application/json" -X GET http://192.168.2.1:8080/DeviceActivationStatus`

Possible Response:

```
{
  "IsActive": {true/false}
}
```

4. Title: Get WiFi Access Point List

Description: Using this API we should get WiFi Access Point List

Command: `curl -i -H "Accept: application/json" -H "Content-Type: application/json" -X GET http://192.168.2.1:8080/WiFiAccessPointList`

Possible Response:

```
{ "None Found": "-99 dBm" }
```

- Or -

```
{
  "AccessPointList": [
    {
      "SSID": "value",
```

```

        "SignalStrength": "value"
    },
    {...}
]
}

```

5.Title: Put Client WiFi SSID/PSK

Description: Using this API we should get the response from the REST command after SSID/PSK setup is completed.

Command:

```
curl -X PUT -H "Content-Type: application/json" -d '{"SSID":"PSK"}'
http://192.168.2.1:8080/WiFiClientSSID_PSK
```

Possible Response:

```

{
    "Response": { true/false}
}

```

6.Title: Get WiFi Client Connection Status

Description: Using this API we should get WiFi client connection status. Note: Wait at least 30 second after posting SSID/PSK for this to become valid.

```
Command: curl -i -H "Accept: application/json" -H "Content-Type: application/json" -X GET
http://192.168.2.1:8080/WiFiClientConnectionStatus
```

Possible Response:

```

{
    "IsActive": { true/false}
}

```

7.Title: Put WiFi Access Point Disable.

Description: Using this API we should disable the WiFi Access Point Mode. Note: Response will be given before we disconnect 30 seconds later.

Command:

```
curl -X PUT -H "Content-Type: application/json" -d '{"SSID":"1", "PSK":"2"}'  
http://0.0.0.0:8080/WiFiAccessPointDisable
```

Possible Response:

```
{  
  "IsActive": { true/false}  
}
```

8.Title: Put IOTNewCPID Set new cloud system identifier.

Description: Using this API you can set your system identifier/username/password. Note this will restart the example python code if it is running.

Command:

```
curl -X PUT -H "Content-Type: application/json" -d  
'{"cpid":"123ddddd4567","username":"crash1xxxx0@gmail.com","password":"1xxxx0"}'  
http://192.168.1.134:8080/IOTNewCPID
```

Possible Response:

```
{  
  "Response": { 1, -1}  
}
```

9.Title: Put CloudAttach

Description: Using this API will cause the gateway to configure the wifi connection and start the SDK.

Command:

```
curl -X PUT -H "Content-Type: application/json" -d '{""}' http://192.168.2.1:8080/CloudAttach
```

Possible Response:

```
{  
  "Response": { 1/0}  
}
```

10.Title: Get the current IoTConnectSDK.conf file

Description: Using this API returns the current IOTConnectSDK.conf file

```
curl -X GET -H "Content-Type: application/json" -d '{}'  
http://192.168.2.1:8080/IOTGetIOTConnectSDKConf
```

Possible Response:

```
{  
  "IOTConnectSDKConf": { 1/0}  
}
```

11.Title: Set the current IoTConnectSDK.conf file

Description: Using this API sets the current IOTConnectSDK.conf file

```
curl -X PUT -H "Content-Type: application/json" -d '{"<contents of file">'  
http://192.168.1.134:8080/IOTSetIOTConnectConf
```

Possible Response:

```
{  
  "IOTConnectSDKConf": {1/0}  
}
```

12.Title: Get the current wpa_supPLICANT.conf file

Description: Using this API returns the current wpa_supPLICANT.conf file

```
curl -X GET -H "Content-Type: application/json" -d '{}'  
http://192.168.2.1:8080/
```

Possible Response:

```
{  
  "WiFiWAPConf": {<contents of file>}  
}
```

13.Title: Set the current wpa_supPLICANT.conf file

Description: Using this API sets the current wpa_supPLICANT.conf file

```
curl -X PUT -H "Content-Type: application/json" -d '{"<contents of file"'}'  
http://192.168.1.134:8080/WiFiSetWPAConf
```

Possible Response:

```
{  
  "Response": {1/0}  
}
```

14.Title: Get the current IoTConnectSDK.conf file item

Description: Using this API returns the current IoTConnectSDK.conf file item

```
curl -X GET -H "Accept: application/json" -d  
'{"SectionName":"CloudSDKConfiguration","ValueName":"cpid"}'  
http://192.168.1.118:8080/IOTGetIoTConnectSDKConfItem
```

Possible Response:

```
{  
  "IoTGetConnectSDKConfItem": {"IoTGetConnectSDKConfItem": {"cpid":  
    "B3A7D54220AD4397ABF35D7EC539FBA6", "SectionName": "CloudSDKConfiguration"}}  
}
```

15.Title: Set the current /etc/apn.conf file IOTSetAPNConf

Description: Using this API sets the current /etc/apn.conf file

```
curl -X PUT -H "Content-Type: application/json" -d '{"<contents of file"'}'  
http://192.168.1.134:8080/IOTSetAPNConf
```

Possible Response:

```
{  
  "IoTSetAPNConf": {1/0}  
}
```

3. Title: Get SDK verison

Description: Using this API we should get device id in response.

Command: `curl -i -H "Accept: application/json" -H "Content-Type: application/json" -X GET http://192.168.2.1:8080/SDKVersion`

Possible Response:

```
{  
  "SDKVersion": {version}  
}
```

2 Open Questions/Concerns

User Case: How mobile application will know that the user is using Ethernet or Wifi, and based on that it will showcase wifi page.