

Récupérer l'@IP de l'ESP32 via Node-red

Il faut noter l'adresse MAC de l'ESP32

Lors de l'installation de Tasmota sur votre esp32 , il faut noter l'adresse MAC de votre ESP32 via le menu "Information" de Tasmota.

Les 6 derniers caractères de la "MAC Adress" de l'ESP32

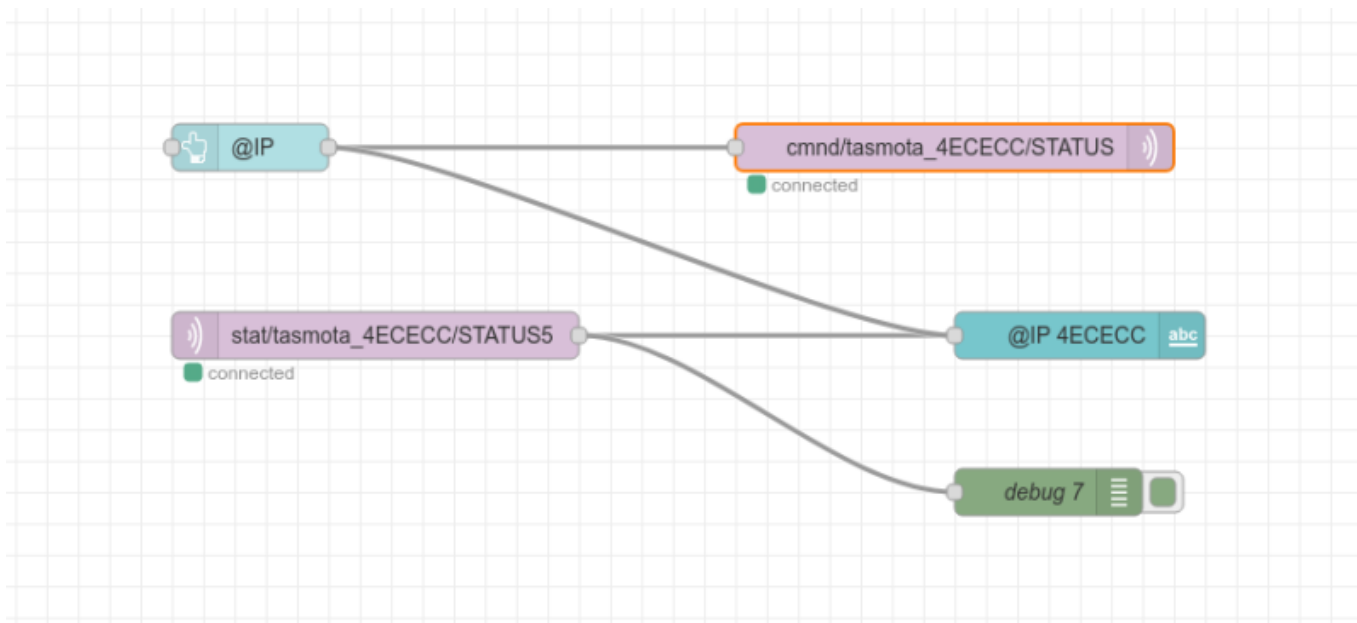
Exemple : Hostname tasmota-**4ECECC**-3788



The screenshot shows the Tasmota information screen for an ESP32-DevKit. It displays various system parameters and network information. The MAC address is highlighted as FC:B4:67:4E:CE:CC, which corresponds to the 4ECECC part of the hostname example mentioned in the text.

ESP32-DevKit	
Tasmota	
Program Version	13.2.0(tasmota32)
Build Date & Time	2023-10-19T09:05:13
Core/SDK Version	2_0_14/4.4.6.231011
Uptime	0T02:41:59
Flash Write Count	22
Boot Count	7
Restart Reason	Vbat power on reset
AP2 Information	SSID Livebox-7D70 RSSI 100%, -48 dBm Mode 11n Channel 11 BSSID 08:87:C6:CB:7D:70
Hostname	tasmota-4ECECC-3788
IPv6 Global (WiFi)	2a01:cb00:8bd1:7500:feb4:67ff:fe4e:cecc
IPv6 Local (WiFi)	fe80::feb4:67ff:fe4e:cecc
MAC Address	FC:B4:67:4E:CE:CC
IP Address (WiFi)	192.168.1.103
Gateway	192.168.1.1
Subnet Mask	255.255.255.0
DNS Server1	192.168.1.1
DNS Server2	0.0.0.0

Utiliser Node-Red pour afficher l'@IP



dans le Dashboard cela peut donner ceci

En appuyant sur le bouton @IP :



Ajouter les Noeuds suivant (En les adaptant à votre configuration)

En reliant le noeud "Bouton" (@IP) au noeud "Texte" , cela permet de remettre à zéro à chaque clic du bouton @IP

En inserant " fa-spinner fa-pulse fa-3x fa-fw" dans le nom de l'icone @IP , on a la petite animation sur le bouton @IP dans le dashboard

Lors de l'appui, dans le dashboard, sur @IP, nous envoyons la commande "Status 0" à notre Tasmota via le serveur MQTT, cette commande demande à Tasmota toutes ses informations (que l'on peut lire dans la page "Information", voir au debut) ,qu'il renvoie au serveur MQTT.



Nous pourrions envoyer la commande "Status 5" qui nous permettrait d'avoir uniquement la ligne indiquant l'adresse IP

Le noeud "MQTT-In" recupere du serveur MQTT via la commande "**stat/tasmota_4ECECC/STATUS5**" l'@IP de notre tasmota que l'on affiche via le noeud "Texte" de notre Dashboard via 'Value Format'

{{msg.payload.StatusNET.IPAddress}}

-1- un bouton (noeud du dashboard)



Edit button node

Delete Cancel Done

Properties

Group [ESP32 4ECECC] ESP32

Size auto

Icon fa-spinner fa-pulse fa-3x fa-fw

Label @IP

Tooltip optional tooltip

Color optional text/icon color

Background optional background color

When clicked, send:

Payload % 0

Topic msg. topic

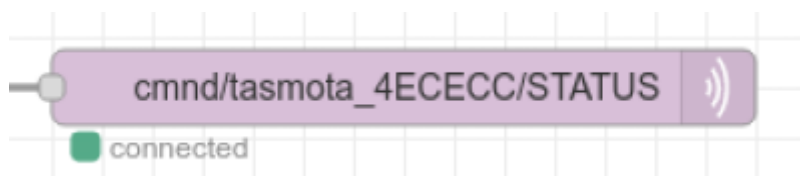
If msg arrives on input, emulate a button click:

Class Optional CSS class name(s) for widget

Name Name

Enabled

-2- un noeud "MQTT-Out" (Network)



The screenshot shows the 'Edit mqtt out node' configuration window. At the top, there are three buttons: 'Delete', 'Cancel', and 'Done'. Below this is a 'Properties' section with a gear icon, a document icon, and a refresh icon. The configuration fields are: 'Server' (dropdown menu with 'fablab37110.ddns.net:1883' and an edit icon), 'Topic' (text input with 'cmdnd/tasmota_4ECECC/STATUS'), 'QoS' (dropdown menu), 'Retain' (checkbox), and 'Name' (text input with 'Name'). A yellow tip box at the bottom states: 'Tip: Leave topic, qos or retain blank if you want to set them via msg properties.'

-3- un noeud "MQTT-In" (Network)

The screenshot shows the 'Edit mqtt in node' configuration window. At the top, there are three buttons: 'Delete', 'Cancel', and 'Done'. Below this is a 'Properties' section with a gear icon, a document icon, and a refresh icon. The configuration fields are: 'Server' (dropdown menu with 'fablab37110.ddns.net:1883' and an edit icon), 'Action' (dropdown menu with 'Subscribe to single topic'), 'Topic' (text input with 'stat/tasmota_4ECECC/STATUS5'), 'QoS' (dropdown menu with '2'), 'Output' (dropdown menu with 'auto-detect (parsed JSON object, string or buffer)'), and 'Name' (text input with 'Name').

-4- un noeud "Texte" (Dashboard)

Edit text node

Delete Cancel Done

Properties

Group [ESP32 4ECECC] ESP32

Size auto

Label @IP 4ECECC

Value format {{msg.payload.StatusNET.IPAddress}}

Layout

Class Optional CSS class name(s) for widget

Name

-5- un noeud "Debug" (Common)

Edit debug node

Delete Cancel Done

Properties

Output msg. payload

To debug window
 system console
 node status (32 characters)

Name debug 7

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