# Démarrage de MQTTX et de Node-RED sur les postes de formation CaMéX-IA

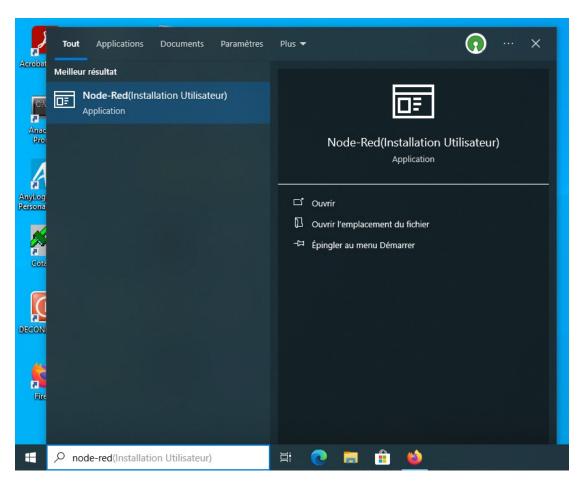
### **Pour démarre MQTTX:**

Cliquez sur l'icône MQTTX sur le bureau Windows :



## **Pour installer Node-RED:**

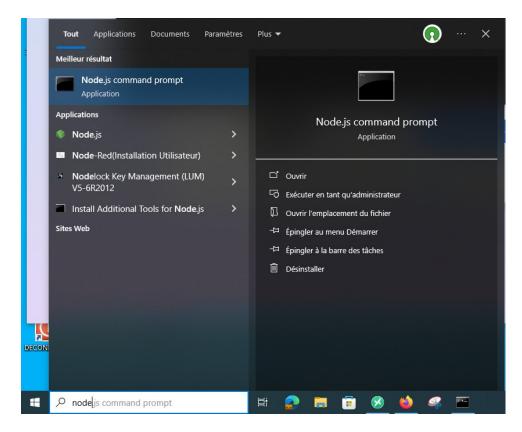
Dans la barre de recherche Windows, écrivez **node-red** puis démarrez **Node-Red(Installation Utilisateur)** :



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#### Pour démarrer Node-RED:

Dans la barre de recherche Windows, écrivez **node** puis démarrez **Node** .js command prompt :



Dans la console Node.js, écrivez la commande **node-red** :

```
Your environment has been set up for using Node.js 20.11.0 (x64) and npm.

2:\Dmode-red
28 Feb 15:38:37 - [info]
Welcome to Node-RED
28 Feb 15:38:37 - [info] Node-RED version: v3.1.5
28 Feb 15:38:37 - [info] Mode.js version: v20.11.0
28 Feb 15:38:37 - [info] Windows_NT 10.0.1994 x64 LE
28 Feb 15:38:38 - [info] Loading palette nodes
28 Feb 15:38:38 - [info] Context store : 'default' [module-memory]
28 Feb 15:38:42 - [info] Context store : 'default' [module-memory]
28 Feb 15:38:42 - [info] User directory : C'\Users\dv329\.node-red\settings.js
28 Feb 15:38:42 - [warn] Projects disabled : editorTheme.projects.enabled-false
28 Feb 15:38:42 - [info] Flows file : C'\Users\dv329\.node-red\flows.json
28 Feb 15:38:42 - [info] Flows file : C'\Users\dv329\.node-red\flows.json
28 Feb 15:38:42 - [info] Creating new flow file
28 Feb 15:38:42 - [warn]

Your flow credentials file is encrypted using a system-generated key.

If the system-generated key is lost for any reason, your credentials
file will not be recoverable, you will have to delete it and re-enter
your credentials.

You should set your own key using the 'credentialSecret' option in
your settings file. Node-RED will then re-encrypt your credentials
file using your chosen key the next time you deploy a change.

28 Feb 15:38:42 - [info] Server now running at http://127.0.0.1:1880/
28 Feb 15:38:42 - [info] Starting flows

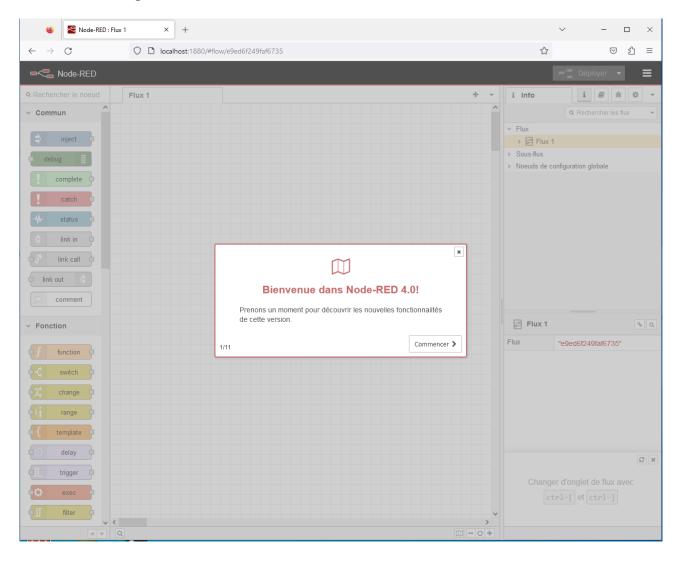
8 Feb 15:38:42 - [info] Starting flows

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```

Attention : ne fermez pas cette fenêtre tant que vous utilisez Node-RED!

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# Démarrez un navigateur web et écrivez dans la barre d'adresse localhost:1880



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