

Sprint -4

Date	10 November 2022
Team ID	PNT2022TMID31458
Project name	IOT based smart crop protection for agriculture

Node is installation :

Download the Node.js source code or a pre-built installer for your platform, and start developing today.

LTS
Recommended For Most Users


Windows Installer
node-v18.12.1-x64.msi

Current
Latest Features


macOS Installer
node-v18.12.1.pkg


Source Code
node-v18.12.1.tar.gz

Windows Installer (.msi)
Windows Binary (.zip)
macOS Installer (.pkg)
macOS Binary (.tar.gz)
Linux Binaries (x64)
Linux Binaries (ARM)
Source Code

32-bit	64-bit
32-bit	64-bit
64-bit / ARM64	
64-bit	ARM64
64-bit	
ARMv7	ARMv8
node-v18.12.1.tar.gz	

Configure command prompt for error check. open node-red from the generated link:

```
node-red
10 Nov 11:15:19 - [info] Node-RED version: v3.0.2
10 Nov 11:15:19 - [info] Node.js version: v18.12.1
10 Nov 11:15:19 - [info] Windows_NT 10.0.22000 x64 LE
10 Nov 11:15:24 - [info] Loading palette nodes
10 Nov 11:15:36 - [info] Settings file : C:\Users\ebinp\.node-red\settings.js
10 Nov 11:15:36 - [info] Context store : 'default' [module=memory]
10 Nov 11:15:36 - [info] User directory : \Users\ebinp\.node-red
10 Nov 11:15:36 - [warn] Projects disabled : editorTheme.projects.enabled=false
10 Nov 11:15:36 - [info] Flows file : \Users\ebinp\.node-red\flows.json
10 Nov 11:15:36 - [info] Creating new flow file
10 Nov 11:15:36 - [warn]

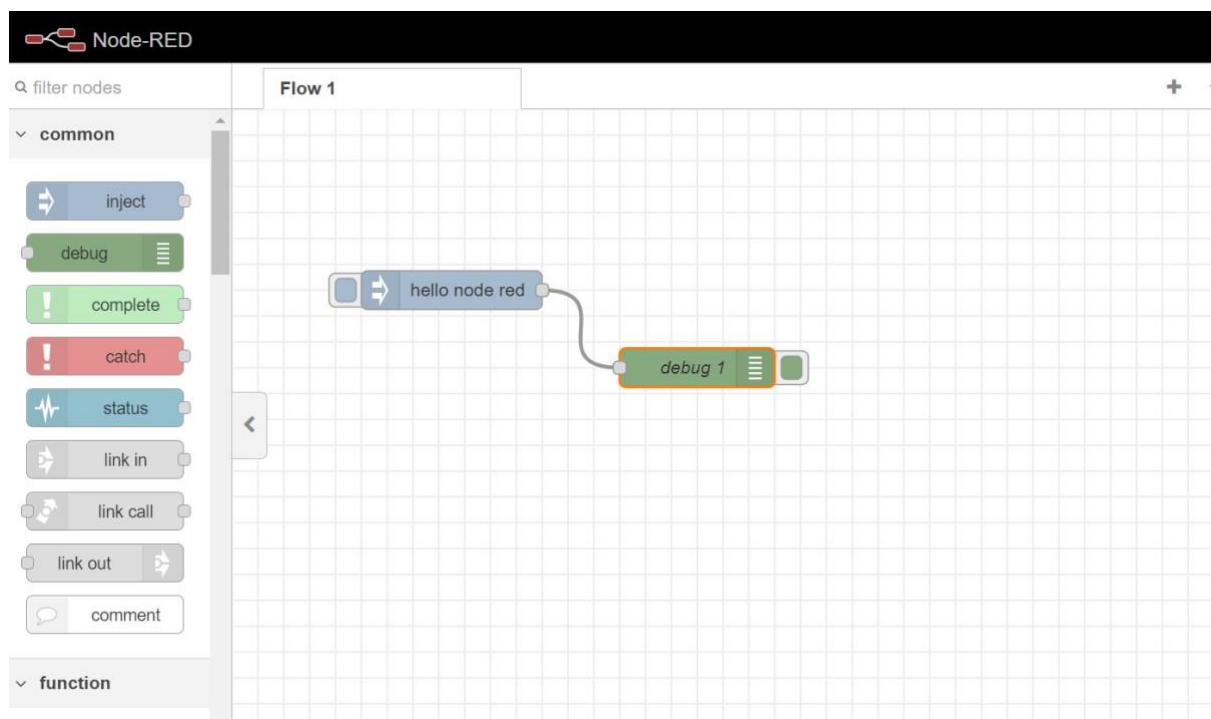
-----
Your flow credentials file is encrypted using a system-generated key.

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.
-----

10 Nov 11:15:36 - [warn] Encrypted credentials not found
10 Nov 11:15:36 - [info] Server now running at http://127.0.0.1:1880/
10 Nov 11:15:36 - [info] Starting flows
10 Nov 11:15:36 - [info] Started flows
```

Connection IBM IOT in debug 1 and deploy:



Output:

The screenshot shows the Node-RED web interface. On the left, the 'common' node palette is visible, containing nodes like inject, debug, complete, catch, status, link in, link call, link out, and comment. The main workspace, titled 'Flow 1', contains a flow with two nodes: a blue 'hello node red' node connected to a green 'debug 1' node. On the right, the 'debug' console is open, showing a log entry for 'node: debug 1' with a message payload of 'string[14]' and the output 'hello node red'.

```
graph LR; inject[inject] --> hello[hello node red]; hello --> debug[debug 1];
```

debug console output:

```
11/10/2022, 11:30:51 AM node: debug 1  
msg.payload: string[14]  
"hello node red"
```