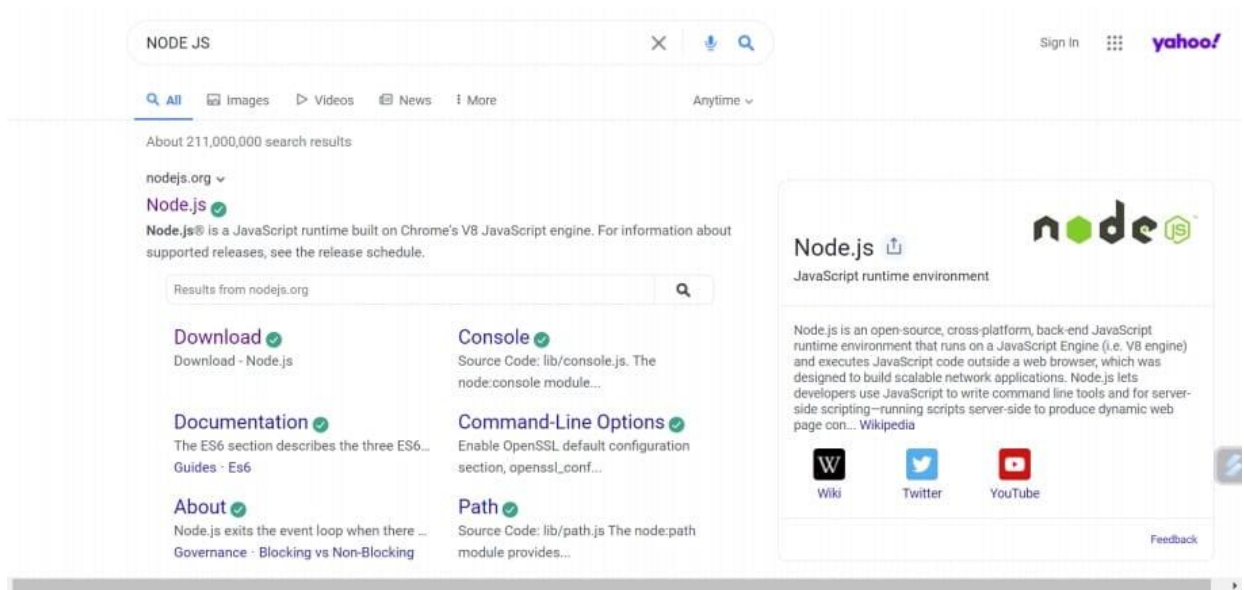


CREATE AND CONFIGURE IBM CLOUD SERVICES

CREATE NODE-RED SERVICE

Team ID	PNT2022TMID23807
Project Name	IoT based Safety Gadget for Child Safety, monitoring and notification

STEP 1:

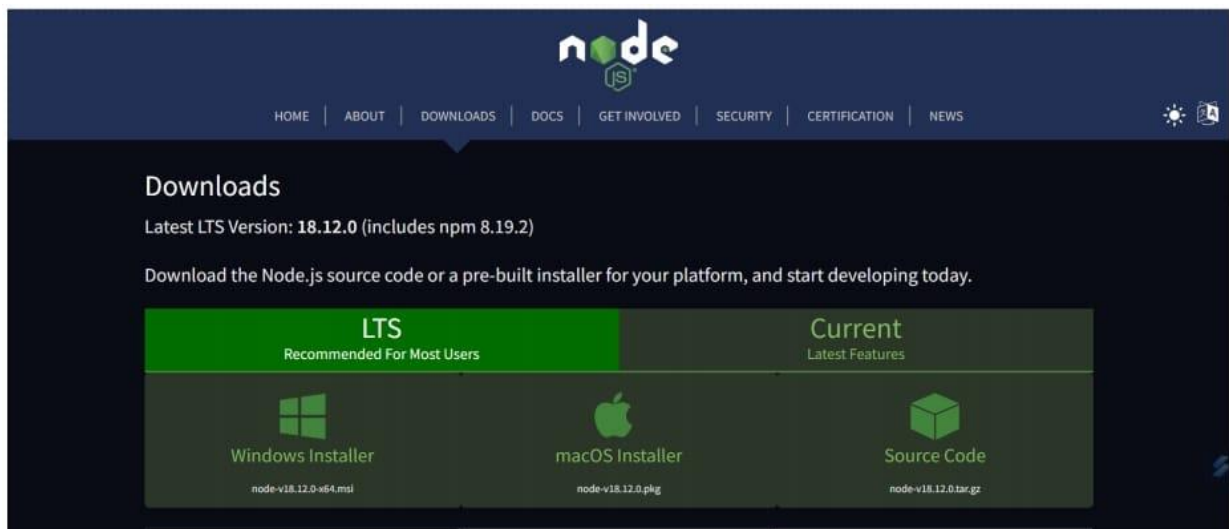


STEP 2



:

STEP 3:



STEP 4:

Windows Installer

node-v18.12.0-x64.msi

macOS Installer

node-v18.12.0.pkg

Source Code

node-v18.12.0.tar.gz

Windows Installer (.msi)	32-bit	64-bit
Windows Binary (.zip)	32-bit	64-bit
macOS Installer (.pkg)	64-bit / ARM64	
macOS Binary (.tar.gz)	64-bit	ARM64
Linux Binaries (x64)	64-bit	
Linux Binaries (ARM)	ARMv7	ARMv8
Source Code	node-v18.12.0.tar.gz	

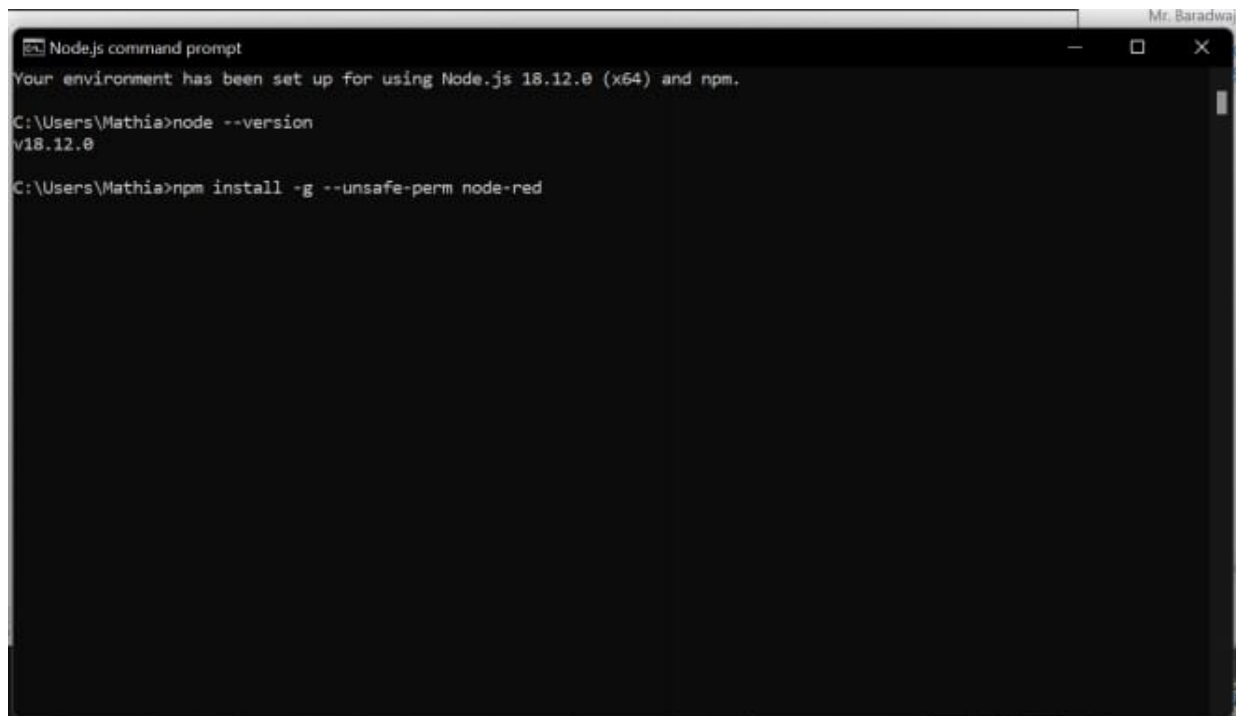
Additional Platforms

Docker Image	Official Node.js Docker Image
Linux on Power LE Systems	64-bit
Linux on System z	64-bit
AIX on Power Systems	64-bit

STEP 5:

```
Node.js command prompt
Your environment has been set up for using Node.js 18.12.0 (x64) and npm.
C:\Users\Mathia>
```

STEP 6:



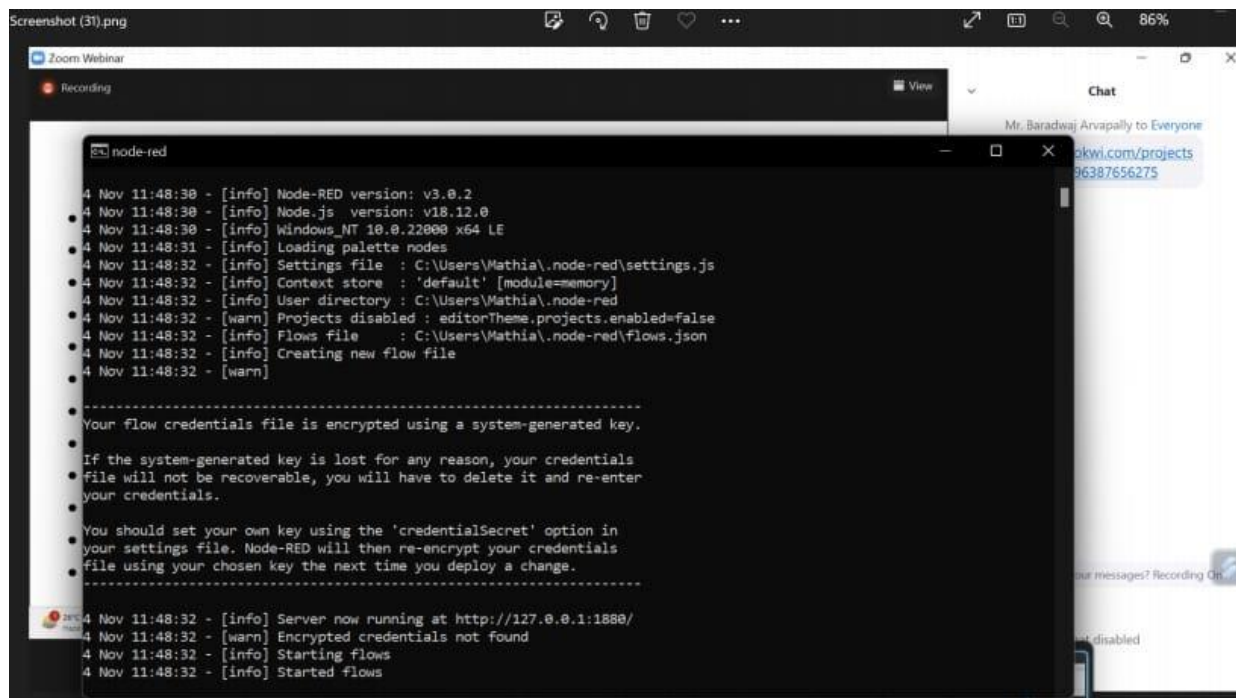
A screenshot of a Windows command prompt window titled "Node.js command prompt". The window shows the following commands and output:

```
Your environment has been set up for using Node.js 18.12.0 (x64) and npm.

C:\Users\Mathia>node --version
v18.12.0

C:\Users\Mathia>npm install -g --unsafe-perm node-red
```

STEP 7:



A screenshot of a Zoom Webinar window showing a terminal window titled "node-red". The terminal displays the following output:

```
4 Nov 11:48:30 - [info] Node-RED version: v3.0.2
4 Nov 11:48:30 - [info] Node.js version: v18.12.0
4 Nov 11:48:30 - [info] Windows_NT 10.0.22000 x64 LE
4 Nov 11:48:31 - [info] Loading palette nodes
4 Nov 11:48:32 - [info] Settings file : C:\Users\Mathia\.node-red\settings.js
4 Nov 11:48:32 - [info] Context store : 'default' [module=memory]
4 Nov 11:48:32 - [info] User directory : C:\Users\Mathia\.node-red
4 Nov 11:48:32 - [warn] Projects disabled : editorTheme.projects.enabled=false
4 Nov 11:48:32 - [info] Flows file : C:\Users\Mathia\.node-red\flows.json
4 Nov 11:48:32 - [info] Creating new flow file
4 Nov 11:48:32 - [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.

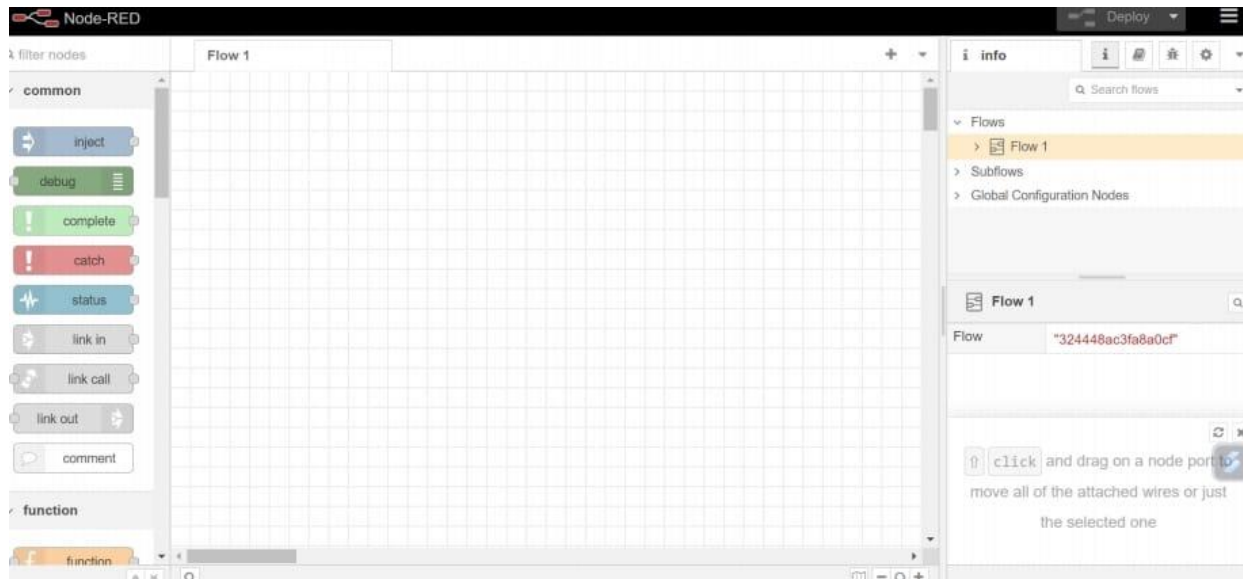
You should set your own key using the 'credentialSecret' option in
your settings file. Node-RED will then re-encrypt your credentials
file using your chosen key the next time you deploy a change.
-----

4 Nov 11:48:32 - [info] Server now running at http://127.0.0.1:1880/
4 Nov 11:48:32 - [warn] Encrypted credentials not found
4 Nov 11:48:32 - [info] Starting flows
4 Nov 11:48:32 - [info] Started flows
```

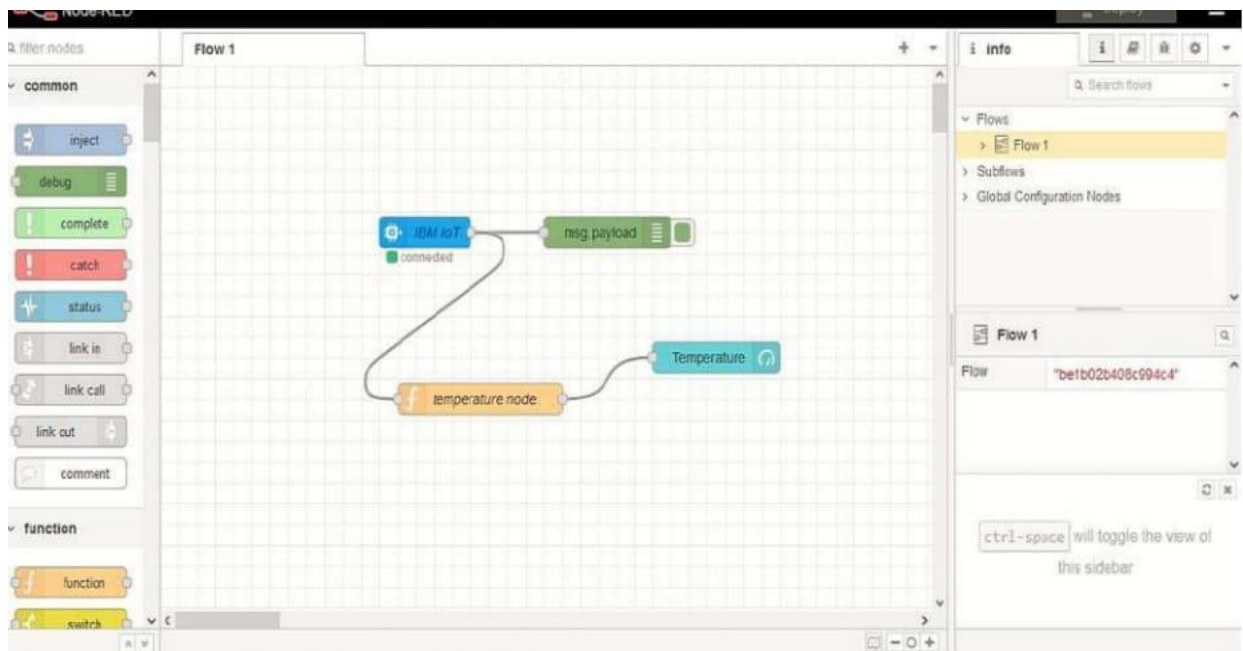
STEP 8:

<http://127.0.0.1:1880/>

STEP 9:



STEP 10:



RESULT:

Thus,Node-red service was created.