Production Supporting Systems in Factories

ระบบสนับสนุนการผลิตในโรงงานอุตสาหกรรม

HTTP Get Request

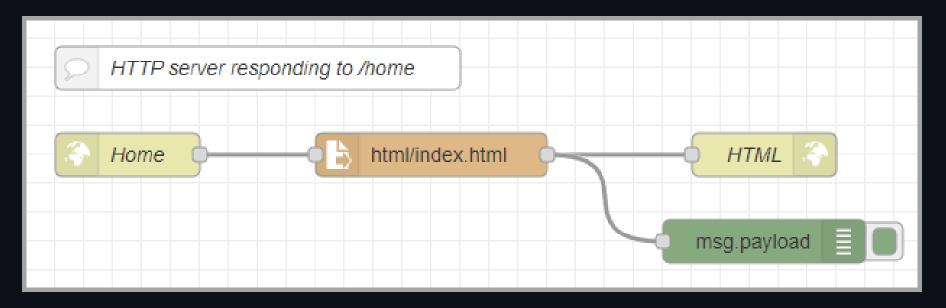
- Send a get request to http://google.com.
- Display a response to a debug panel.
- Write a response to index.html

HTTP Server

- Create a server that responds to the GET request to /hello.
 - Respond with a static string.
 - Respond with a dynamic string.

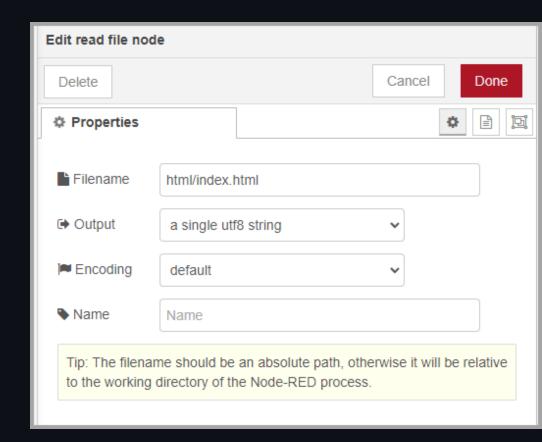
```
const date = new Date();
msg.time = date.toLocaleTimeString();
return msg;
```

- Reponse to /home with an HTML document.
 - Create flow http in , read file , http response , debug



- http in node
 - Method = GET
 - URL = home
- http response node
 - No need to do anything.

- read file node
 - Filename = html/index.html
 - See next page.



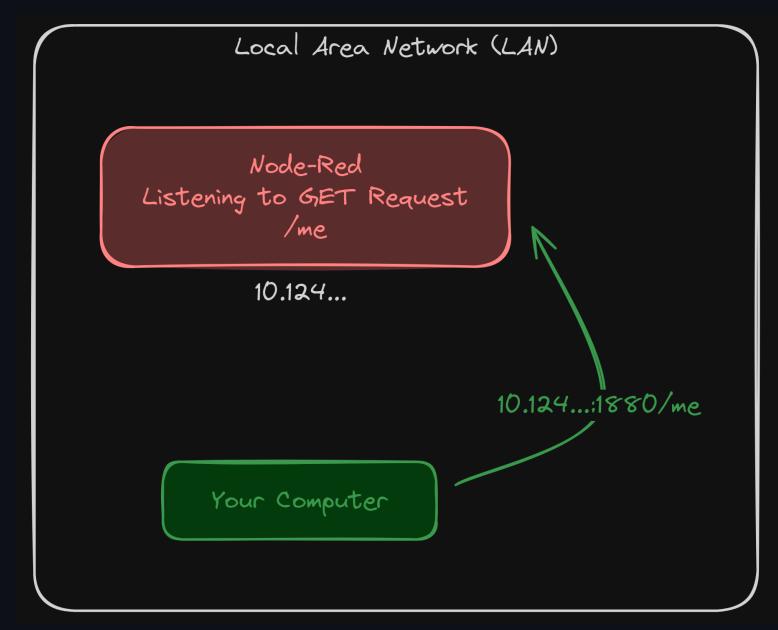
- Create a folder html
- Place an index.html in the folder
- Use web browser to the url /home

Networking overview

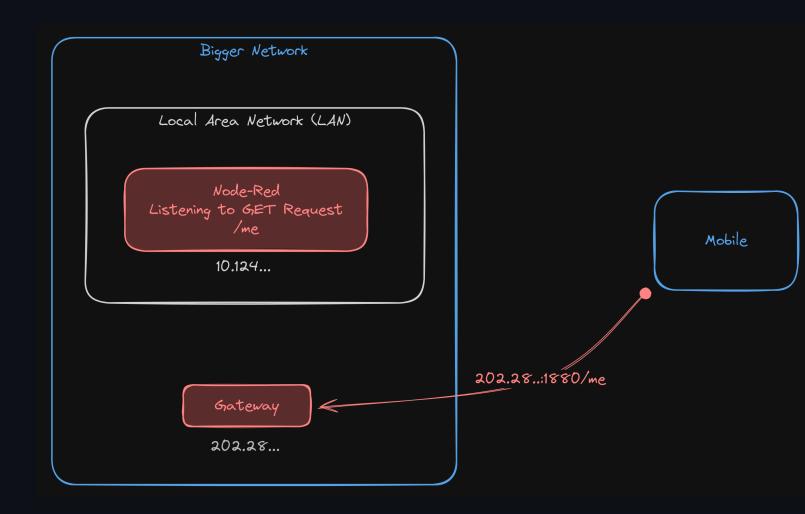
Localhost



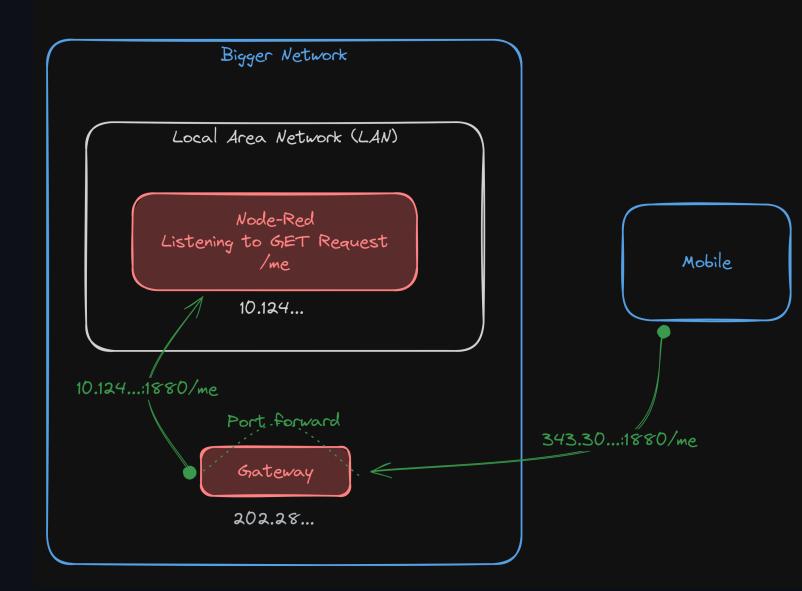
Local area network



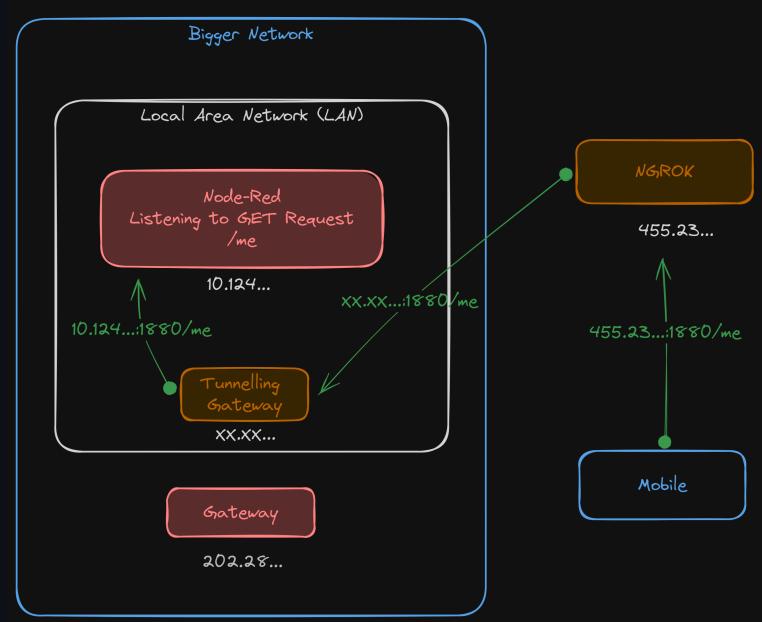
Public IP



Port forwarding



Local tunneling



- Get ngrok
 - Create an account at https://ngrok.com/
 - Verify email.
 - Download the program.
 - Extract the program to the project folder.
 - Copy the command below.

2. Connect your account

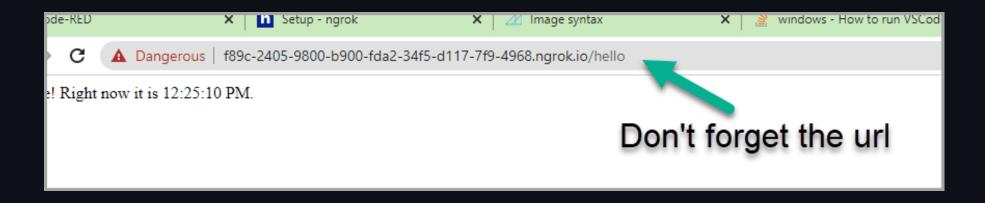
Running this command will add your authtoken to the default ngrok.yml configuration file. This will grant you access
to more features and longer session times. Running tunnels will be listed on the endpoints page of the dashboard.

\$ ngrok config add-authtoken

- VSCode
 - Create New Terminal
 - Run ngrok config add-authtoken <YOUR AUTHTOKEN> (Remove ./ from what you just copied.)
 - O Run ngrok http 1880
- Copy the https address (ctrl + shift + c)

```
ngrok by @inconshreveable
                                                                                (Ctrl+C to quit)
Session Status
                              online
Account
                              nnnpooh (Plan: Free)
Version
                              2.3.40
                              United States (us)
Region
Web Interface
                              http://127.0.0.1:4040
                              tp://3fe2-2405-9800-b900-fda2-2d0a-b28f-a42c-1971.ngrok.io -> h
Forwarding
                              https://3fe2-2405-9800-b900-fda2-2d0a-b28f-a42c-1971.ngrok.io ->
Forwarding
Connections
                              ttl
                                              rt1
                                                                       p90
                                      opn
                              0
                                              0.00
                                                      0.00
                                                               0.00
                                                                       0.00
```

- Paste the address in the browser.
 - Don't forget to add the url in the end.



• Try sharing this link to your friends.