

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

### Edit read file node

Delete

Cancel

Done

⚙️ Properties

⚙️

📄

🔗

📄 Filename

html/index.html

➡️ Output

a single utf8 string

▼

🚩 Encoding

default

▼

🏷️ Name

Name

Tip: The filename should be an absolute path, otherwise it will be relative to the working directory of the Node-RED process.

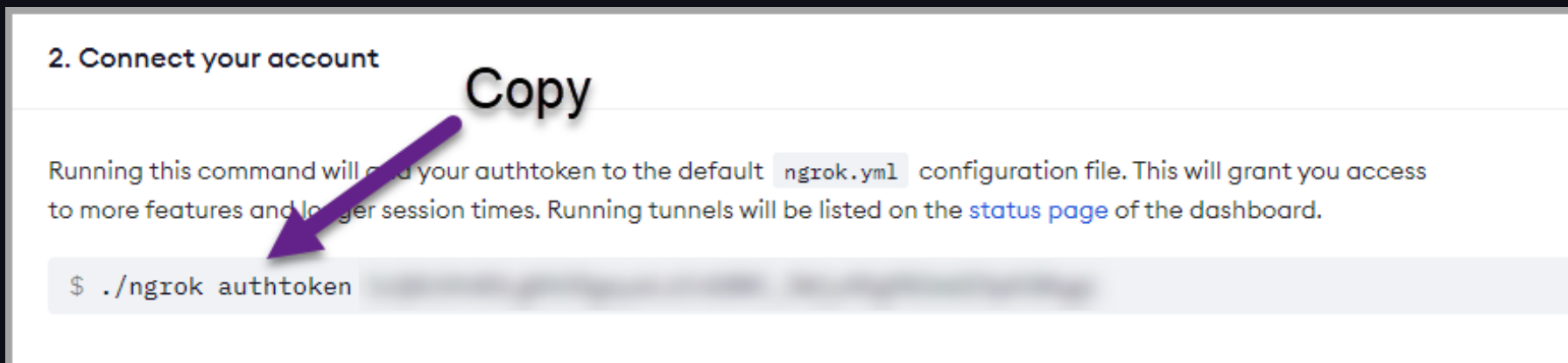
- http response node
  - No need to do anything.

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



# Public server

- 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.

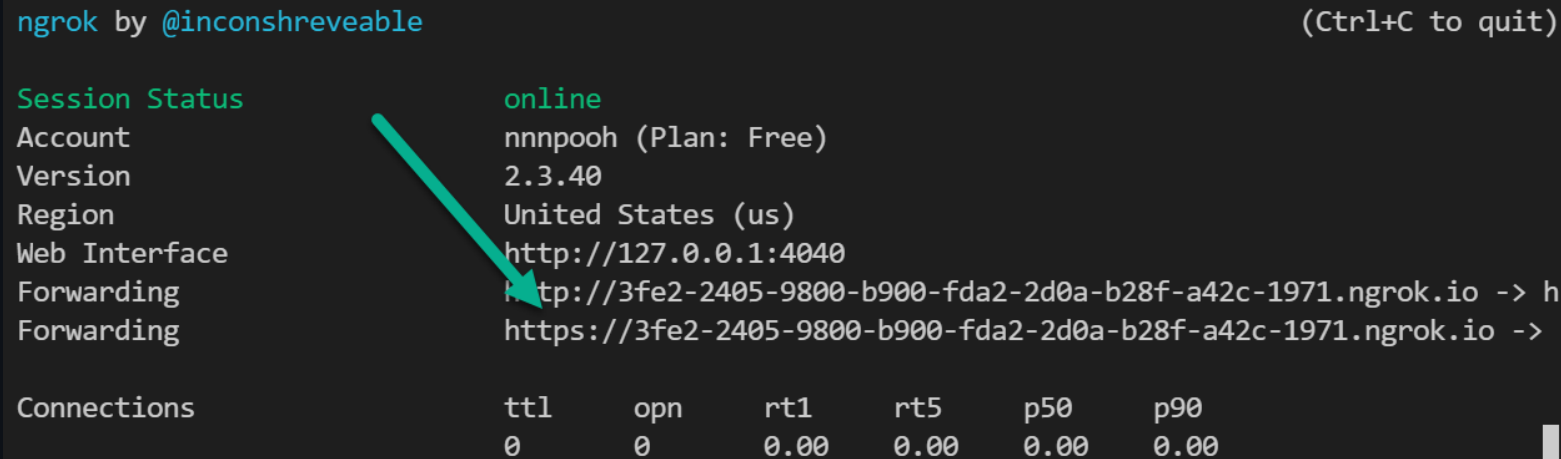


- VSCode
  - Create New Terminal
  - Run `ngrok authtoken <YOUR AUTHTOKEN>` (Remove `./` from what you just copied.)
  - Run `ngrok http 1880`
- Copy the `https` address (`ctrl` + `shift` + `c`)

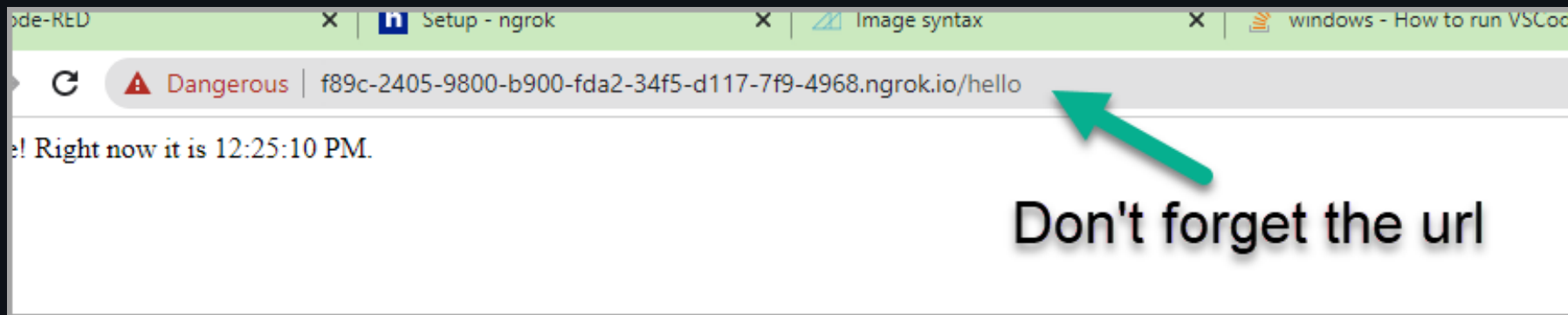
```
ngrok by @inconshreveable (Ctrl+C to quit)

Session Status      online
Account             nnnpooh (Plan: Free)
Version             2.3.40
Region              United States (us)
Web Interface       http://127.0.0.1:4040
Forwarding           http://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 ->

Connections         ttl    opn    rt1    rt5    p50    p90
                   0      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.