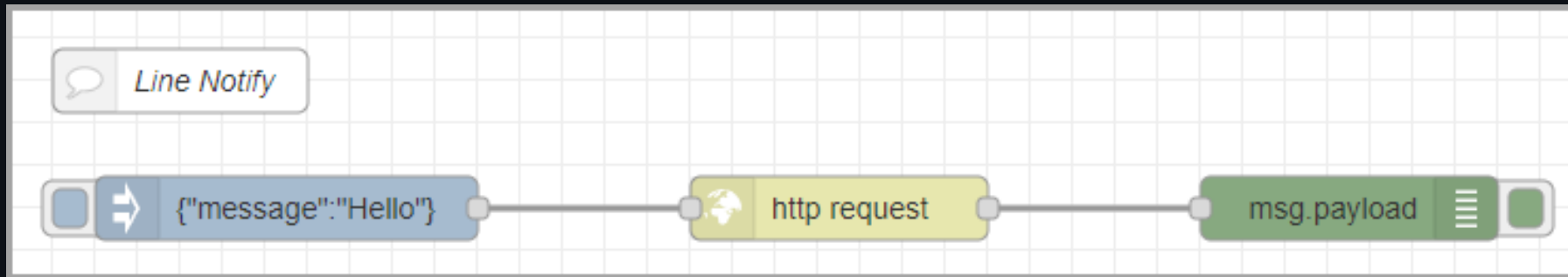# Production Supporting Systems in Factories

ระบบสนับสนุนการผลิตในโรงงานอุตสาหกรรม

Line Notify

- สร้างกลุ่ม LINE ภายใน Group
- ไปที่ https://notify-bot.line.me/en/
  - Login (need to verify number on smart phone)
  - Go to `My page`
  - Click `Generate token`
  - Enter `Token Name` and select a chat room.
  - Copy the token and store it somewhere.

- Let send a line notification through `Node-Red`

  - Flow

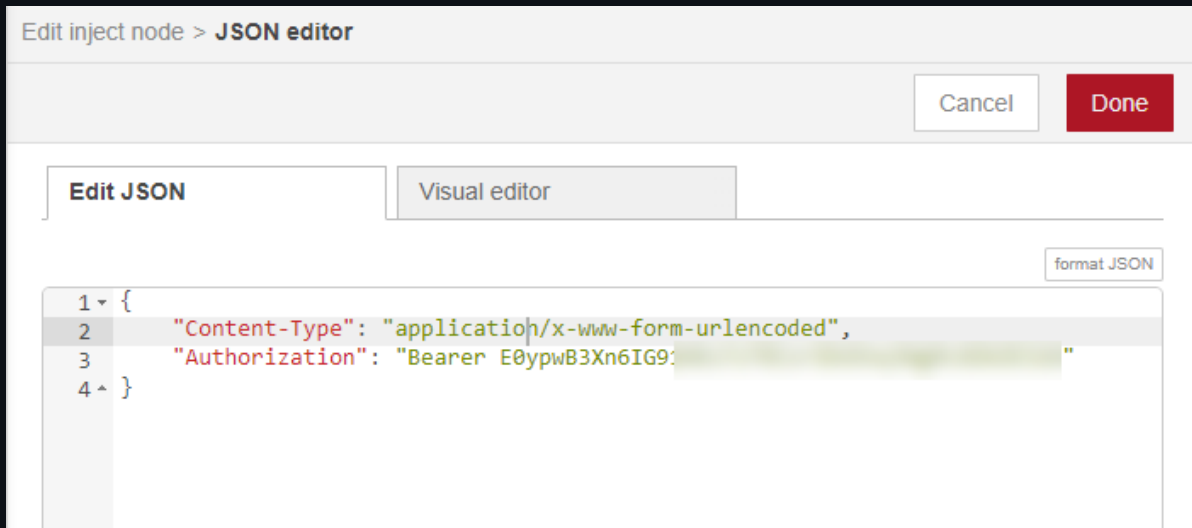- `inject` node

- Set `msg.payload` to (JSON)

```
{
  "message":"Hello"
}
```
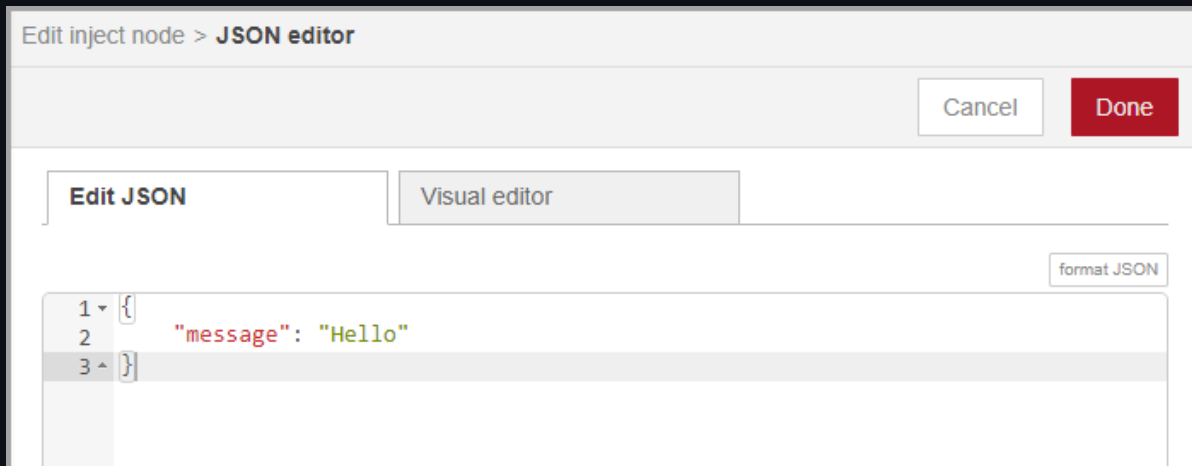
- Set `msg.headers` to (JSON)

```json
{
  "Content-Type": "application/x-www-form-urlencoded",
  "Authorization": "Bearer <<YOUR LINE TOKEN>>"
}
```

- `http request` node
  - Method: `POST`
  - URL: `https://notify-api.line.me/api/notify`

Edit http request node

Delete   Cancel   Done

⚙ **Properties**   ⚙ 📄 🔳

☰ Method   POST   ⌄

🌐 URL   https://notify-api.line.me/api/notify

☐ Enable secure (SSL/TLS) connection

☐ Use authentication

☐ Enable connection keep-alive

☐ Use proxy

☐ Only send non-2xx responses to Catch node

← Return   a UTF-8 string   ⌄

🏷 Name   Name

- Add `debug` node to see the output.
  - You can inspect the error.
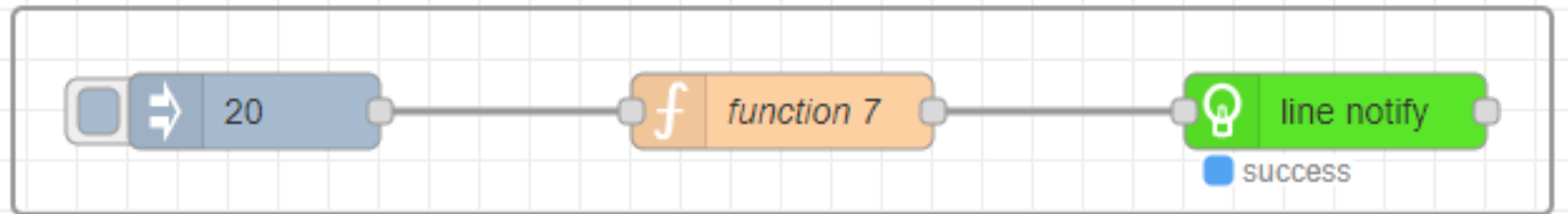
- Try injecting to see if the notification.

Line Notify Node

Easier Implementation

Setup

- Install `node-red-contrib-line-notify`

Flow

`line notify` node

Edit line-notify node

Delete   Cancel   **Done**

⚙ **Properties**   ⚙ 📄 ⬚

🏷 Name   Name

🔑 Token   line token   ⌄   ✏

≣
ContentType   Only Message   ⌄

💬 Message

1

Leave blank

ℹ Silent   ☐

📖 ○ Enabled

function node

```javascript
const date = new Date();
const datestring = date.toLocaleDateString();
const timestring = date.toLocaleTimeString();

// Customize your message here
const payload = `
📅 วัน: ${datestring}
🕐 เวลา: ${timestring}
📈 ค่า: ${msg.payload}
`;
msg.payload = "\n" + payload.trim();
return msg;
```
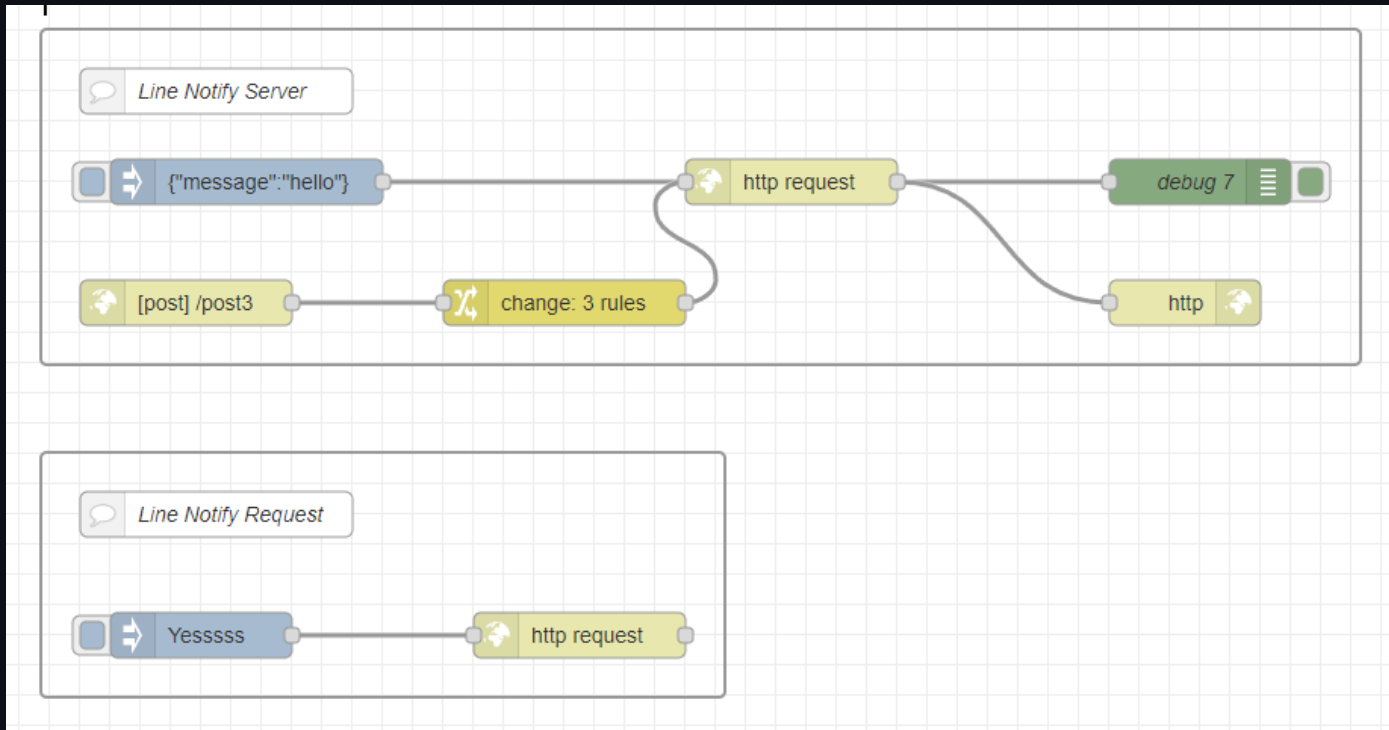
Extra

- Make a server that send the message to `Line`.
  - The message comes from the `POST` request.

Extra

Extra