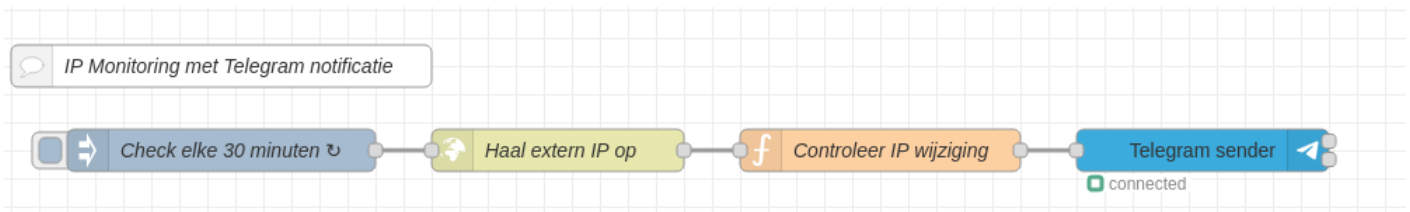


Check external IP address and send a message with Telegram on changes



What This Flow Does

This Node-RED flow periodically checks your **external IP address** and sends a **Telegram message** if it changes.

Every 30 minutes:

1. It checks your current external IP address.
2. If the IP is different from the last recorded one, it:
 - Saves the new IP.
 - Sends a Telegram message to notify you.

This is useful if your internet provider gives you a **dynamic IP** and you want to track when it changes—ideal for home servers or remote access setups. Here's how it works, step by step:

1. Inject Node: "Check every 30 minutes"

Function: Triggers the flow every 30 minutes.

- Also runs once at startup after a 5-second delay.
- Sends the current timestamp as `msg.payload`.

Edit inject node

Delete

Cancel

Done

⚙️ Properties

⚙️

📄

🖼️

📌 Name

Check elke 30 minuten

☰

msg. payload

=

⌵ ⌚

milliseconds since epoch

⌵

✕

+ add

inject now

☒ Inject once after

5

seconds, then

🔄 Repeat

interval

⌵

every

30

⬆️ ⬆️

minutes

⌵

📄

☐ Enabled

2. HTTP Request: "Get external IP"

Function: Makes a GET request to `https://api.ipify.org`.

- This service returns your current **public (external) IP address** in plain text.
- The response becomes the new `msg.payload`.

Edit http request node

Delete

Cancel

Done

⚙ Properties

⚙

📄

🔗

☰ Method

GET

▼

🌐 URL

https://api.ipify.org

Payload

Ignore

▼

☐ Enable secure (SSL/TLS) connection

☐ Use authentication

☐ Enable connection keep-alive

☐ Use proxy

☐ Only send non-2xx responses to Catch node

☐ Disable strict HTTP parsing

⬅ Return

a UTF-8 string

▼

☰ Headers

+ add

📌 Name

Haal extern IP op

📄

☐ Enabled

3. Function Node: "Check IP address change"

Function: Compares the new IP address to the previously stored one.

- Retrieves the **last known IP** from Node-RED's flow memory (`flow.get('previousIp')`).
- If the new IP is **different**, it:
 - Stores the new IP (`flow.set('previousIp', currentIp)`).
 - Sets a message like `Nieuw extern IP-adres gedetecteerd: <new IP>` .
 - Passes this message along.
- If the IP hasn't changed, it stops (returns `null`).

Edit function node

Delete

Cancel

Done

Properties

Name

Controleer IP wijziging

Setup

On Start

On Message

On Stop

```
1 // Haal het huidige IP-adres op uit de payload
2 const currentIp = msg.payload;
3
4 // Haal het vorige IP-adres op uit de flow context
5 const previousIp = flow.get('previousIp') || '';
6
7 // Vergelijk het huidige IP met het vorige IP
8 if (currentIp !== previousIp) {
9     // Bewaar het nieuwe IP in de flow context
10    flow.set('previousIp', currentIp);
11
12    // Stuur een bericht met het nieuwe IP
13    msg.payload = 'Nieuw extern IP-adres gedetecteerd: ' + currentIp;
14    return msg;
15 } else {
16     // IP is niet veranderd, stop de flow
17     return null;
18 }
19
```

☐ Enabled

```
// Haal het huidige IP-adres op uit de payload
const currentIp = msg.payload;
```

```
// Haal het vorige IP-adres op uit de flow context
const previousIp = flow.get('previousIp') || '';

// Vergelijk het huidige IP met het vorige IP
if (currentIp !== previousIp) {
  // Bewaar het nieuwe IP in de flow context
  flow.set('previousIp', currentIp);
  // Stuur een bericht met het nieuwe IP
  msg.payload = 'Nieuw extern IP-adres gedetecteerd: ' + currentIp;
  return msg;
} else {
  // IP is niet veranderd, stop de flow
  return null;
}
```

4. Telegram Sender

Function: Sends the notification via your configured Telegram bot if there's a new IP address.

Edit sender node

Delete

Cancel

Done

⚙️ Properties

⚙️

📄

🖨️

📌 Bot

██████████

▼

✎

+

📌 Name

Name

🔔 Send errors to second output

☐

📄

☐ Enabled

5. Telegram Bot Configuration

- Connected to a bot named `mybot`.
 - Sends messages to a specified user or chat ID.
-

Revisie #5

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