

# **INTERNET OF THINGS**

## **3.8**

### **NGROK**

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## **ACCESSING NODE-RED UI FROM EVERYWHERE**

# WHAT IS NGROK?


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## Public URLs for exposing your local web server.

Spend more time programming. One command for an instant,  
secure URL to your localhost server through any NAT or firewall.

- Go to:  
<https://ngrok.com>
- Create your account


# Install NGROK


 Getting Started ^


Setup & Installation


Your Authtoken

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## Download ngrok

ngrok is easy to install. Download a single binary with zero run-time dependencies.


[Download for Mac OS](#)




Mac OS  
Mac OS (ARM64)



Linux  
Linux (32-Bit)  
Linux (ARM)  
Linux (ARM64)



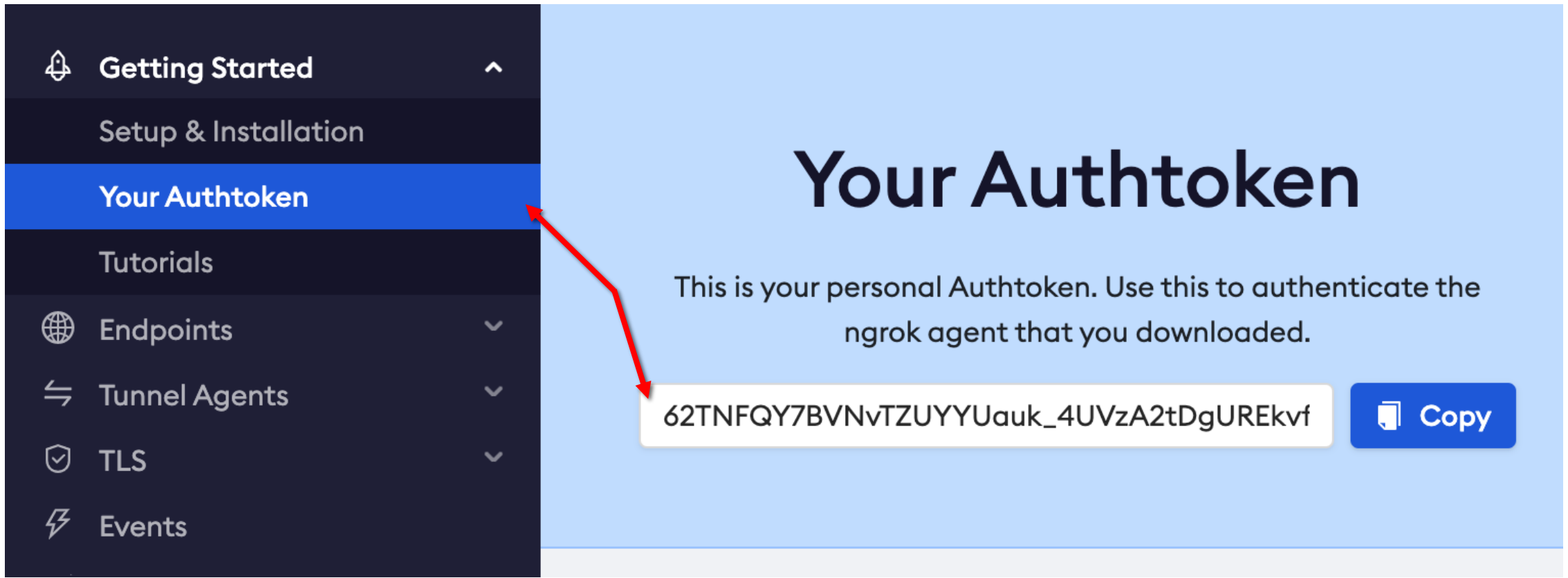
Windows  
Windows (32-Bit)



FreeBSD  
FreeBSD (32-Bit)

# Tunnel Authtoken

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The screenshot shows the Ngrok dashboard interface. On the left is a dark sidebar with a menu. The 'Your Authtoken' item is highlighted in blue. A red arrow points from this menu item to the main content area. The main content area has a light blue background and contains the title 'Your Authtoken', a descriptive sentence, and a text box with the auth token.

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## Your Authtoken

This is your personal Authtoken. Use this to authenticate the ngrok agent that you downloaded.

62TNFQY7BVNvTZUYYUauk\_4UVzA2tDgUREkvf

 Copy

# Authenticate your ngrok agent

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## Command Line

Authenticate your ngrok agent. You only have to do this once. The Authtoken is saved in the default configuration file.

```
$ ./ngrok authtoken  
62TNFQY7BVNvTZUYYUauk_4UVzA2tDgUREkvfJ2CgKV
```

- Open Terminals
- Go to location that contains ngrok unzip file
- Run the command line

**Important:** replace the red underlined text with your Tunnel Authtoken

# Public NODE-RED 1880 port

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- In your terminal window, enter the following command

```
$ ./ngrok http -auth=username:password 1880
```



When you try to access the UI, you'll be asked to enter a username and a password

# The new public url

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

Session Status      online
Account             Cao Nam (Plan: Free)
Version             2.3.40
Region              United States (us)
Web Interface        http://127.0.0.1:4040
Forwarding           http://7bd2-116-118-63-113.ngrok.io -> http://localhost:1880
Forwarding           https://7bd2-116-118-63-113.ngrok.io -> http://localhost:1880

Connections          ttl      opn      rt1      rt5      p50      p90
                    0        0        0.00    0.00    0.00    0.00
```

**Important:** do not use the http link, because that link is not encrypted