











# Sign up for an account $\rightarrow$

## Download ngrok



brew install ngrok



snap install ngrok



winget install ngrok -s msstore

# More agents & SDKs →

Get your authtoken →

### Add your authtoken

ngrok config add-authtoken <token>

# Start an endpoint

ngrok http 80

# Expose different kinds of servers

API Service (Port 8080):

ngrok http 8080

Web App (Port 3000):

ngrok http 3000

SSH Server (Port 22):

ngrok tcp 22

Postgres Server:

ngrok tcp 5432

#### Any service on a different machine:

ngrok http http://192.168.1.50:8080

#### **Troubleshoot**

ngrok diagnose

### **Traffic Policy**

ngrok's configuration language that offers you the flexibility to filter, match, manage and orchestrate traffic to your endpoints.

With Traffic Policy, you can:

- Validate incoming traffic
- Block malicious traffic
- Rewrite URLs
- Respond with custom content

List of Traffic Policy Actions →

## Create a policy file

nano policy.yaml

#### Example: Using the verify-webhook action

# Start a public endpoint

```
# Using a Traffic Policy file:
ngrok http 8080 --url https://
baz.ngrok.dev --traffic-policy-file
policy.yaml
```

### Load balance

```
# Between two different ports:
ngrok http 8080 --url https://
api.example.com --pooling-enabled
ngrok http 8081 --url https://
api.example.com --pooling-enabled
```

Read more about Endpoint Pooling →











#### Add authentication

```
# OAuth Authentication
# policy.yaml
on_http_request:
    - actions:
    - type: oauth
        config:
            provider: google
```

### <u>List of providers →</u>

#### Add webhook verification

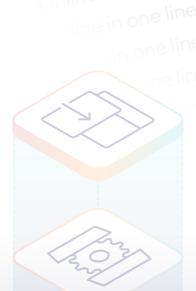
```
# policy.yaml
on_http_request:
    - actions:
    - type: verify-webhook
    config:
        provider: github
        secret: $SECRET
    - type: custom-response
    config:
        status_code: 200
        headers:
        content-type: text/plain
        body: GitHub webhook
verified
```

### List of providers →

## What else can I do with ngrok?

- Use ngrok Kubernetes Operator: <a href="https://ngrok.com/docs/k8s/">https://ngrok.com/docs/k8s/</a>
- Get started with Traffic Observability: https://ngrok.com/docs/obs/
- Look into Identity and Access Management: https://ngrok.com/docs/iam/
- Read ngrok's Security Best Practices: <a href="https://ngrok.com/docs/guides/security-dev-productivity/">https://ngrok.com/docs/guides/security-dev-productivity/</a>
- Check out the Gateway Examples Gallery: <a href="https://ngrok.com/docs/universal-gateway/">https://ngrok.com/docs/universal-gateway/</a> examples/





Online in one line

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