ngrok Cheat Sheet

Installing ngrok

1. Download ngrok:



brew install ngrok/ngrok/ngrok



choco install ngrok



snap install ngrok

Other distros and package managers: narok.com/download

- 2. Sign-up and get a token in dashboard.ngrok.com/signup
- 3. Add the authtoken to ngrok client: ngrok config add-authtoken <TOKEN>

Exposing different types of servers

- 1. Web server (port 8080): ngrok http 8080
- 2. File or folder: ngrok http "file:///C:\temp"
- 3. SSH server (port 22): ngrok tcp 22
- 4. Postgres server (port 5432): ngrok tcp 5432
- 5. RDP server (port 3389): ngrok tcp 3389
- 6. Server in a diff machine: ngrok http 10.0.0.2:8080

Add Social Login (*learn more*)

- 1. Facebook: ngrok http 8080 -- oauth=facebook
- 2. Google for specific email domains: ngrok http 8080 --oauth-google --oauth-allow-domain-example.com
- 3. Github with consent for repository management: ngrok http 8080 --oauth-github --oauth-scopes=repo

Add webhook verification (*learn more*)

- 1. Slack: ngrok http 8080 --verify-webhook=slack --verify-webhook-secret=secret-token
- 2. Shopify: ngrok http 8080 --verify-webhook=shopify --verify-webhook-secret=secret-token
- 3. Stripe: ngrok http 8080 --verify-webhook=stripe --verify-webhook-secret=secret-token
- 4. Twilio: ngrok http 8080 --verify-webhook=twilio --verify-webhook-secret=secret-token

Other Cool Features (<u>learn more</u>)

- 1. Allow access only to your IP: ngrok http 8080 --cidr-allow \$(curl http://ifconfig.me/ip)/32
- 2. Deny access to any IPv6 requesters: ngrok http 8080 --cidr-deny ::/0
- 3. Reject requests if 5XX errors >15% (circuit breaker): ngrok http 8080 --circuit-breaker 0.15
- 4. Add HTTP compression: ngrok http 8080 --compression
- 5. Add requester's country to header: ngrok http 8080 --request-header-add "country: \\${.ngrok.geo.country code}"
- **6.** Add requester's geo latitude to request header:

ngrok http 8080 --response-header-add "geo-lat: \\${.ngrok.geo.latitude}"

7. Add security header to HTTP response:

ngrok http 8080 --response-header-add "content-security-policy: self;"

Putting everything together:

Example 1: HTTP access with Facebook Login, compression, and circuit-breaker at 50%

ngrok http 8080 --oauth=facebook --compression --circuit-breaker 0.5

Example 2: SSH access restricted to your IP

ngrok tcp 22 --cidr-allow \$(curl http://ifconfig.me/ip)/32

Example 3: Access to a file only for your best friend with Google Social Auth

ngrok http "file:///C:\super-important\file.pdf" --oauth=google --oauth-allow-email=mybff@gmail.com

In addition to development, ngrok can be used for:

- Enabling remote access without VPNs
- Accessing and managing remote software agents and IoT devices
- Enable remote access to web applications

To learn more or share what you're working on, check out https://ngrok.com/slack