ngrok Public tunnels

CONCEPTS

Free accounts get one random public URL per session; reserve a domain in the dashboard to keep it stable.

Internet client public URL
↓ HTTPS
ngrok cloud traffic policy
↓ tunnel
ngrok agent your machine
↓ forward
Local service localhost:port

Anyone with the URL can reach your service: add a traffic policy or auth before sharing it.

The agent logs requests in the inspector at http://127.0.0.1:4040, where you can replay them.

SETUP

ngrok config add-authtoken *<token>*
Store your authtoken

ngrok version
Print the agent version

ngrok update
Update the agent

ngrok config check
Check the config file

TUNNELS

ngrok http *<port>*
Expose a local HTTP port

ngrok http *<host:port>*
Forward to another host

ngrok http *<port>* **--url** *<domain>*
Serve on a specific domain

ngrok tcp *<port>*
Expose a raw TCP port

ngrok tls *<port>* **--crt** *<file>* **--key** *<file>*
TLS endpoint with your cert

ngrok tcp *<port>* **--cidr-allow** *<cidr>*
Only allow an IP range

TRAFFIC POLICY

ngrok http *<port>* **--traffic-policy-file** *<file>*
Apply a policy file

CONFIG & SERVICES

ngrok start *<name>*
Start one configured endpoint

ngrok start --all
Start every configured endpoint

ngrok http *<port>* **--config** *<file>*
Use an extra config file

ngrok diagnose
Test connectivity to ngrok