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