



Cloudflare Zero Trust

Overview

Get started

Implementation guides

Identity

Connections

Overview

Cloudflare Tunnel

Overview

Get started

Downloads

Configure a tunnel

Deploy a tunnel

Use cases

Private networks

Public hostnames

Monitor tunnels

Troubleshoot tunnels

Do more with Tunnel

Connect devices

Applications

Policies

Insights

Email Security

API and Terraform

Reference architecture

Tutorials

On this page

[Products](#) > [Cloudflare Zero Trust](#) > [Connections](#) > [Cloudflare Tunnel](#)

Cloudflare Tunnel

Cloudflare Tunnel provides you with a secure way to connect your resources to Cloudflare without a publicly routable IP address. With Tunnel, you do not send traffic to an external IP — instead, a lightweight daemon in your infrastructure (`ccloudflared`) creates outbound-only connections to Cloudflare’s global network. Cloudflare Tunnel can connect HTTP web servers, [SSH servers](#), [remote desktops](#), and other protocols safely to Cloudflare. This way, your origins can serve traffic through Cloudflare without being vulnerable to attacks that bypass Cloudflare.

Refer to our [reference architecture](#) for details on how to implement Cloudflare Tunnel into your existing infrastructure.

How it works

Cloudflared establishes outbound connections (tunnels) between your resources and Cloudflare’s global network. Tunnels are persistent objects that route traffic to DNS records. Within the same tunnel, you can run as many ‘cloudflared’ processes (connectors) as needed.



Cloudflare Zero Trust

Overview

Get started

Implementation guides >

Identity >

Connections ▾

Overview

Cloudflare Tunnel ▾

Overview

Get started >

Downloads >

Configure a tunnel >

Deploy a tunnel >

Use cases >

Private networks >

Public hostnames >

Monitor tunnels >

Troubleshoot tunnels >

Do more with Tunnel >

Connect devices >

Applications >

Policies >

Insights >

Email Security >

API and Terraform >

Reference architecture ↗

Tutorials

On this page >



Edit page

[Cloudflare Dashboard](#)

[Discord](#)

[Community](#)

[Learning Center](#)

[Support Portal](#)

[Cookie Settings](#)