TSDProxy

Linux Training Academy

Lesson Overview

- ➢ Learn to access self-hosted services with friendly domain names

- ➢ Discover how to secure services using SSL certificates

- ➢ Stop relying on IP addresses and ports for access

- ➢ Simplify access and improve security with new tools

The Problem with IP Addresses

- Services currently accessed via **Tailscale IP + port** (e.g., http://100.71.231.16:9000)
- This method technically works but is hard to remember
- Human-friendly names are easier to use
- Enter **TSDProxy** to simplify service access

What is **TSDProxy?**

- **Tailscale Docker Proxy** automates:
  - Registering services by name with Tailscale
  - Issuing SSL certificates
- Acts as a **proxy**: forwards requests to the right container & port
- Enables use of simple URLs such as https://portainer.YourTailnetName.ts.net

Benefits of Using TSDProxy

- No more http://100.71.231.16:9000

- Use **friendly names** like

  https://portainer.YourTailnetName.ts.net

- TSDProxy handles:

  - Name registration

  - SSL certificate management

  - Secure request forwarding

About Tailnet Names

- **Default Tailnet name**: random string like tailabc123.ts.net

- Tailscale lets you generate "**fun**" names: two words, hyphen-separated

- Examples: halfmoon-cat, west-hound, dusky-ocean

- Access via https://portainer.dusky-ocean.ts.net

HTTPS by Default

- Access services via **easy-to-remember** names

- No more memorizing IP addresses or ports

- TSDProxy enables **HTTPS**: encrypted, secure connections

- All connections are automatically **protected**