🛠️ Step-by-Step Setup

1. Create a Tailscale Account

Go to https://tailscale.com and sign up using:

Google, Microsoft, GitHub, or email.

This will be your control panel to manage devices.

2. Install Tailscale on the ASL3 Node

For Debian/Ubuntu:

bash

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curl -fsSL https://tailscale.com/install.sh | sh

sudo tailscale up

For Alpine Linux:

bash

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apk add tailscale

rc-update add tailscaled

service tailscaled start

tailscale up

After tailscale up, it will give you a URL.

Open that in your browser and log in to authorize the device.

Your ASL3 node will now get a Tailscale IP, e.g. 100.64.x.x.

3. Install Tailscale on Your Client Device

Install Tailscale on the device you’ll use to connect to the ASL3 node:

Windows/macOS/Linux

iOS/Android apps available

Login with the same Tailscale account.

After logging in, you'll see your ASL3 node in the list, and you can connect to it directly.

4. Test the Connection

Run the following on your client device:

bash

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ping 100.x.x.x # Tailscale IP of the ASL3 node

Or if you’re using SSH:

bash

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ssh user@100.x.x.x

You can now access services like:

http://100.x.x.x:8080 for web apps

Any other custom port

No port forwarding required — it's peer-to-peer (or relayed securely if NAT traversal fails).

🔐 Optional: Enable SSH Through Tailscale (Extra Secure)

Tailscale can enable its own SSH server:

On ASL3 Node:

bash

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sudo tailscale up --ssh

Now you can SSH from your client with:

bash

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ssh <asl3-username>@100.x.x.x

No need to expose or configure OpenSSH directly — Tailscale handles auth via your identity provider.

🌐 Optional: Expose to Public Internet with Tailscale Funnel (Beta Feature)

If you want public internet access to a service (e.g. a web server):

Enable Funnel (you may need to request access in Tailscale admin settings).

Use:

bash

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tailscale funnel enable

tailscale serve tcp 80 localhost:8080

This creates a public HTTPS URL pointing to your local service — still encrypted and secure.

🧭 Access Your Node via Tailscale Name (Optional)

Instead of remembering the Tailscale IP, use MagicDNS:

Enable MagicDNS in the Tailscale admin panel.

Then access your node like:

bash

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ssh user@asl3-hostname.tailnet-name.ts.net