SunshineSpend Team Server Stack Documentation

🔧 Server Attributes

- OS: Ubuntu 24.04 LTS (Noble Numbat)
- Kernel: Linux (x86_64, systemd-based)
- Hosting: Linode VPS
- Networking:
  • Public domains per team: teamXX.sunshinespend.com
  • Private app binding: 127.0.0.1:900X (per team Gunicorn/Flask)
  • Apache reverse proxy with SSL (via acme.sh)
- Filesystem Layout:

```
/srv/groups/teamXX/
      ├──── web/     (PHP app + static files)
      ├──── python/   (Flask app code + wsgi.py)
      ├──── node/     (Node.js app)
      ├──── venv/     (Python virtualenv)
```


🟢 RUNNING | Maintenance Policy: Migrate | ...

Summary
4 CPU Cores
160 GB Storage
8 GB RAM
0 Volumes
🔓 Not Encrypted ⓘ

Public IP Addresses
173.230.133.230
2600:3c02::f03c:95ff:fe48:3652

Access
SSH Access — ssh root@173.230.133.230
LISH Console via SSH — ssh -t mparzych@lish-us-southeas

Plan: Linode 8 GB | Region: US, Atlanta, GA | Linode ID: 72647646 | Created: 2025-02-25 22:45

📦 Installed Software

🖥️ System

- OpenSSL: v3.0.x (Ubuntu default)
- systemd: v252.x (Ubuntu 24.04)
- acme.sh: latest (for SSL certs)

🌐 Web Server

- Apache: 2.4.x
- Modules enabled:
  • proxy, proxy_http, proxy_fcgi
  • setenvif, rewrite, ssl
- Configured vhosts for:
  • /pyapp → Flask (Gunicorn)
  • /nodeapp → Node.js (pm2 or systemd)
  • /bot → ChatGPT API proxy (Flask)
  • /index.php → PHP web app

🐘 PHP

- PHP: 8.3.x (from Ubuntu repos)
- PHP-FPM: enabled
- Extensions:
  • php8.3-mysql (MySQL support)
  • php8.3-cli

🐍 Python

- Python: 3.12.x (Ubuntu default)
- Virtualenv per team: /srv/groups/teamXX/venv/
- Gunicorn: 23.0.0
- Flask: 3.x
- PyMySQL: latest
- cryptography: installed for MySQL sha256_password auth
- requests: installed
- Other team libs pinned via requirements.txt

🟢 Node.js

- Node.js: v20.x (NodeSource repo)
- npm: 10.x
- pm2/systemd: for Node apps
- Apps run from /srv/groups/teamXX/node/

🗄 MySQL Database

- MySQL (MariaDB variant): 10.11.x (Ubuntu 24.04 repo)
- Each team has its own DB (e.g., team01db)
- Users restricted per team with strong passwords

🗄 PostgreSQL Database (with vector support)

- PostgreSQL: - 16.9 (Ubuntu 16.9-0ubuntu0.24.04.1)
- Each team has its own DB (e.g., team01db)
- Users restricted per team with strong passwords

⚙ Services per Team

- gunicorn-teamXX.service → Flask /pyapp + /bot
- node-teamXX.service → Node.js /nodeapp
- php-fpm → Apache /index.php