

Building a Personal Cloud with Docker

Self-hosting setup and management guide

1 Install Docker and Docker Compose on your chosen hardware today.

2 Store Docker Compose YAML configs in Git for version control.

3 Start with one or two services like Nextcloud before scaling up.

4 Choose Intel NUC 11 or similar for balanced performance and cost.

5 Deploy Traefik as reverse proxy for automatic SSL certificates.

6 Configure UFW firewall to restrict access to your server.

7 Enable two-factor authentication on all self-hosted services.

8 Run containers with least privilege, avoiding root access.

9 Set up automated offsite backups using scripts immediately.

10 Monitor resource usage across containers using Docker stats.

11 Document your stack setup for easy recovery and sharing.

12 Test failover procedures for critical services monthly.