

The Haunted Lighthouse Limited

Self-Hosted Mastodon & Fediverse Operations Technical Briefing – v1.0

1. Overview

Mastodon offers a decentralised and privacy-respecting alternative to traditional social platforms. Organisations choose self-hosting to retain control over data, moderation, and branding. The Haunted Lighthouse Limited delivers a fully supported, production-ready Mastodon environment using EU-based infrastructure.

2. Who This Service Is For

- SMEs, charities, community groups
- Creators, small businesses, networks
- Organisations needing GDPR alignment
- Clients wanting private, branded social platforms

3. What The Haunted Lighthouse Limited Provides

Deployment:

- Configured Mastodon instance, Postgres, Redis, Sidekiq
- Media storage (local or MinIO/S3)
- TLS, Caddy reverse proxy, domain + branding

Operations:

- Monitoring, nightly encrypted backups
- Security updates, controlled upgrades
- Health reporting, log retention

Community/Admin Support:

- Onboarding, moderation guidance
- Policy templates, relay assistance, federation advice

4. Technical Approach

- Bare-metal EU hosting (Helsinki HEL1)
- No Cloudflare or external CDNs
- Source-built Mastodon
- Structured backups, tuned queues
- Strong hardening, TLS automation
- Federation and performance monitoring

5. Security & Compliance

- GDPR-aligned hosting in EEA
- Encrypted backups
- Mandatory TOTP/WebAuthn
- Minimal external processors

6. Support & Maintenance

- Scheduled updates
- Direct support contact
- Moderation advisory
- Incident response

7. Pricing Structure (High-Level)

- Setup fee
- Monthly operations
- Optional extras

8. Next Steps

1. Contact The Haunted Lighthouse Limited
2. Requirements discussion
3. Receive proposal
4. Deployment

9. Contact

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Website: <https://haunted.lighthouse.co.im/consultancy>

Appendix A: Key Benefits

- Sovereignty over data
- EU hosting
- CDN-free resilience
- Predictable performance
- Full operational support