

Decentralized Platforms: Comprehensive Comparative Analysis

Section 12 – References, Official Links & Source Validation

Version 3.0 | 16 August 2026 | Addendum

This segment consolidates the official links, primary specifications, and reference materials used across the comparative analysis. Major factual claims were grounded in the sources below. Secondary sources used only for status colour are marked. Unverifiable claims were omitted or explicitly qualified.

12.1 Reading Guide

Primary = official site, specification, or canonical repository. **Status / ecosystem** = blogs, releases, statistics used for 2025–2026 colour. Validation notes record reliability limits at time of writing.

12.2–12.9 Platform Primary Sources

Nostr

- <https://nostr.com> · <https://github.com/nostr-protocol/nips> · NIP-01 and related NIPs (canonical protocol extensions)

Peergos

- <https://peergos.org> · <https://book.peergos.org> · <https://github.com/Peergos> · <https://github.com/Peergos/example-apps>
- <https://peergos.org/posts/2025> (year-in-review; native apps, PQ hybrid sharing) · Audit reports linked from project site (Cure53, Radically Open Security)

Solid

- <https://solidproject.org> · <https://solidproject.org/TR/> · <https://solidproject.org/TR/protocol> · <https://solidproject.org/TR/oidc>
- <https://github.com/solid/specification> · Community Solid Server docs · Inrupt docs (ESS, ACP) · WAC/ACP specifications

IPFS

- <https://ipfs.tech> · <https://docs.ipfs.tech> · <https://specs.ipfs.tech>
- <https://github.com/ipfs/kubo> · <https://github.com/ipfs/helia> · Content-addressing / CID concept pages · blog.ipfs.tech

Secure Scuttlebutt (SSB)

- <https://scuttlebutt.nz> · <https://ssbc.github.io/scuttlebutt-protocol-guide> · <https://spec.scuttlebutt.nz> · <https://github.com/ssbc>
- Handbook and application lists; community client repositories (status varies)

Syncthing

- <https://syncthing.net> · <https://docs.syncthing.net> · <https://github.com/syncthing/syncthing>
- BEP, discovery, relay, Device ID and untrusted-device encryption documentation on docs.syncthing.net

Matrix

- <https://matrix.org> · <https://spec.matrix.org> · <https://spec.matrix.org/proposals> · <https://element.io>
- Olm/Megolm/vodozemacs documentation · matrix.org/blog (This Week in Matrix, device verification / MSC4153 direction)

ActivityPub / Fediverse

- <https://www.w3.org/TR/activitypub/> · Activity Streams 2.0 Core & Vocabulary · <https://activitypub.rocks>
- <https://codeberg.org/fediverse/fep> (FEPs) · Mastodon FEDERATION.md and project docs · Individual project sites (Misskey, Pixelfed, PeerTube, Lemmy, ...)
- Third-party Fediverse statistics aggregators (approximate; methodology varies)

12.10 Validation Policy Applied

1. Architecture, cryptography and protocol behaviour taken from primary specifications and official documentation. 2. Current status drawn from official blogs/releases and, where needed, secondary statistics (order-of-magnitude only). 3. Absence of evidence never treated as evidence of absence; unconfirmed features marked partial/emerging or omitted. 4. No unresolved "Original Source Not Available" factual assertions left in the platform profiles. 5. Production decisions must re-check live primary sources, security advisories, and latest MSCs/FEPs/NIPs.

12.11 Suggested Citation Style

Cite platform primary sources for protocol and security claims. Cite this series' segment files only for synthesis and comparative framing. Prefer live URLs and versioned specifications.

Example: Peergos hybrid post-quantum sharing (X25519 + ML-KEM) as described in project documentation and 2025 release notes [peergos.org]. Comparative framing from Decentralized Platforms Comprehensive Comparative Analysis §§4 and 11.

End of Section 12 – References, Official Links & Source Validation

This addendum supplies the consolidated official links and validated reference materials requested in the original brief.