

TODO List

Self Hosted Chat Options

1. Team & Workspace Chat (Slack / Discord Alternatives)

- **Zulip**
 - **Description:** Threaded stream-and-topic messaging designed for asynchronous communication.
 - **Authentik Integration:** Native Generic OpenID Connect (OIDC) support included in the free/open-source tier.
 - **Mattermost**
 - **Description:** Slack-style team chat, channels, boards, and playbooks.
 - **Authentik Integration:** Authentik OIDC provider (via GitLab/Generic OAuth2 compatibility) or Authentik ForwardAuth.
 - **Rocket.Chat**
 - **Description:** Channel-based team communication, live chat widgets, and omnichannel integrations.
 - **Authentik Integration:** Native Custom OAuth2 / OIDC provider in the Community edition.
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2. Federated & Open-Standard Messaging

- **Matrix Ecosystem (Synapse or Dendrite / Conduit + Element Web or Cinny)**
 - **Description:** Decentralized, end-to-end encrypted messaging network with bridges to Discord, Telegram, Signal, WhatsApp, and Slack.

- **Authentik Integration:** Matrix Synapse supports native OpenID Connect (OIDC) for user registration and SSO.
 - **XMPP (Prosody + Converse.js)**
 - **Description:** Lightweight, extensible XML-based protocol for instant messaging and presence.
 - **Authentik Integration:** Authentik LDAP outpost via `mod_auth_ldap`, or token authentication via `mod_auth_oauth2`.
 - **Modern Web IRC (Ergo + The Lounge)**
 - **Description:** IRCv3 daemon paired with a persistent, modern web client and push notifications.
 - **Authentik Integration:** The Lounge supports reverse proxy header authentication via Authentik ForwardAuth.
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3. Voice, Video & Conferencing (Chat-Adjacent)

- **Jitsi Meet**
 - **Description:** Fully encrypted video conferencing and screen sharing.
 - **Authentik Integration:** Authentik OIDC / JWT authentication via Prosody backend.
 - **Mumble (Murmur Server)**
 - **Description:** Low-latency, high-quality voice communication.
 - **Authentik Integration:** Authentik LDAP outpost.
 - **LiveKit / Element Call**
 - **Description:** WebRTC infrastructure and client for group audio/video calls, integrating directly into Matrix rooms.
 - **Authentik Integration:** Inherits Synapse OIDC authentication.
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4. AI Chat & LLM Interfaces (Chat-Adjacent)

- **Open WebUI**
 - **Description:** Feature-rich web interface for local LLMs, Ollama, API endpoints, RAG, and document chat.
 - **Authentik Integration:** Native OpenID Connect (OIDC) support with automatic user provisioning and role syncing.
- **LibreChat**

- **Description:** Multi-provider AI chat interface supporting OpenAI, Anthropic, Gemini, local models, and plugin tools.
 - **Authentik Integration:** Native OpenID Connect (OIDC) / OAuth2 support.
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5. Push Notifications, Webhooks & Alerting Gateways

- **Ntfy**
 - **Description:** HTTP-based pub-sub push notification service to send alerts to desktop/mobile devices.
 - **Authentik Integration:** Authentik ForwardAuth or upstream header auth.
 - **Gotify**
 - **Description:** Simple server for sending and receiving push notifications via WebSockets.
 - **Authentik Integration:** Authentik ForwardAuth.
 - **Apprise API**
 - **Description:** Gateway router to relay notifications to 80+ chat endpoints (Matrix, Discord, Telegram, Slack, etc.).
 - **Authentik Integration:** Authentik ForwardAuth.
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6. Asynchronous Community / Forum Platforms

- **Discourse**
 - **Description:** Modern discussion platform, community forums, and long-form topic threads.
 - **Authentik Integration:** Native OpenID Connect (OIDC) plugin (`discourse-openid-connect`).
 - **NodeBB**
 - **Description:** Real-time, socket-driven forum software with built-in instant messaging and notifications.
 - **Authentik Integration:** `nodebb-plugin-oauth2-oidc` with Authentik.
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Summary Comparison Table

Service	OIDC / SSO Support	Mobile Apps (iOS & Android)	Site-Wide Custom Emojis	Server-Side Custom CSS	Global Branding / Theme Config
Zulip	Yes (Native OIDC)	Yes (Official iOS & Android)	Yes (Built-in)	Yes (Admin UI)	High (Logos, default themes)
Mattermost	Yes (OIDC / OAuth2 / ForwardAuth)	Yes (Official iOS & Android)	Yes (Built-in)	Limited (Plugins)	Medium (Colors, brand images)
Rocket.Chat	Yes (Native OAuth2 / OIDC)	Yes (Official iOS & Android)	Yes (Built-in)	Yes (Admin UI)	High (Live CSS, assets, colors)
Matrix / Element	Yes (Native OIDC via Synapse)	Yes (Official Element iOS & Android, FluffyChat, etc.)	Yes (MSC2545 packs)	Yes (<code>config.json</code>)	Medium (JSON palette, branding)
XMPP (Prosody)	Indirect (LDAP Outpost / <code>mod_auth_oauth2</code>)	Yes (Monomyth, Conversations [Android], Siskin/Monal [iOS])	Client-dependent	No	N/A (Client-dependent)
The Lounge (IRC)	Indirect (ForwardAuth)	PWA (Progressive Web App on iOS & Android)	Limited	Yes (CSS files)	Medium (Theme packages)
Jitsi Meet	Yes (OIDC / JWT via Prosody)	Yes (Official iOS & Android)	No	Yes (CSS / Config)	High (Watermarks, templates)
Mumble	Indirect (LDAP Outpost)	Yes (Plumble [Android], Mumble [iOS])	No	No	Low
Open WebUI	Yes (Native OIDC)	PWA (Official mobile web/PWA)	Model Avatars / Unicode	Yes (Admin UI)	High (Logos, banners, CSS)
LibreChat	Yes (Native OIDC / OAuth2)	PWA (Mobile web / PWA)	Unicode	Config file	Medium (<code>librechat.yaml</code>)
Ntfy	Indirect (ForwardAuth / Header Auth)	Yes (Official iOS & Android)	No	No	Low
Gotify	Indirect (ForwardAuth)	Yes (Official Android, third-party iOS)	No	No	Low
Discourse	Yes (Native OIDC plugin)	Yes (Official Discourse Hub app)	Yes (Built-in)	Yes (SCSS/Themes)	Very High (Full theme engine)
NodeBB	Yes (<code>nodebb-plugin-oauth2-oidc</code>)	PWA / Third-party apps	Yes (Plugin/ACP)	Yes (ACP)	High (Skins, custom CSS)

Random TODO

- burn backups
- ensure large local data sources for jellyfin and plex are on the zfs array
- consolidate logs with a parser
- music hosting
 - radio stations
- comms
 - irc server
 - matrix server
 - jabber server
- backups
 - create backup user
 - new GPG key
 - move rclone configs to backup user
 - chown backups to backup
 - automate to weekly
- games
 - [Steam Headless](#)

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