

FruitSalade - Quarterly Report (Draft v2)

Summary

This quarter saw significant progress on the FruitSalade platform. Key milestones include the completion of multi-backend storage, RBAC-based group permissions, and the new web application.

Infrastructure

- PostgreSQL metadata store with 7 migrations
- S3, Local, and SMB storage backends via Router
- Docker deployment with embedded PostgreSQL
- Prometheus metrics and Grafana dashboard
- NEW: CI/CD pipeline via GitHub Actions
- NEW: Integration test suite with Docker fixtures

Client Features

- FUSE client with on-demand file hydration
- LRU cache with configurable size and pinning
- SSE-based real-time sync notifications
- Conflict detection and version history
- NEW: Windows client with CfAPI cloud files
- NEW: Pin/unpin CLI for offline access control

Security

- TLS 1.3 with automatic certificate management
- JWT authentication with token rotation
- OIDC integration for enterprise SSO
- Per-user rate limiting and quotas

Web Application

- Gallery with tag management and albums
- File browser with drag-and-drop upload

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- Admin dashboard with storage locations
- Version history and conflict resolution UI