

Crew Lockers System Bible (V2)

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1. System Purpose

Crew Lockers allows authenticated users to manage their Keynius lockers without retrieving historic emails.

Integration is achieved via:

1. Inbound email ingestion (forwarded email from @klm.com)
 2. Periodic scraping of the Keynius locker page
 3. Reminder generation (email now, push-ready later)
 4. Persistent in-app Messages feed
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2. Idiot Guide (Non-Technical)

What the crew member does:

- Rent locker via Keynius
- Forward confirmation email to lockers@xcmxfa.com

- Open xcmxfa → Crew Lockers

- Tap "Open / manage"

What the system does:

- Verifies sender is @klm.com

- Maps sender email to users_v2.email

- Extracts locker UUID

- Stores locker record

- Scrapes page for end date

- Generates reminders at 14/7/3/0 days

- Displays reminders in Messages and Home banner

3. Architecture Overview

Client (Web):

- Home tile → /crew-lockers

- CrewLockers page

- Messages page

- AuthStore provides PSN

Backend (PHP):

- lockers_pipe_script.php

- lockers_scrape_cron.php

- lockers_notifications_cron.php
- /api/crew_lockers endpoints

Database:

- crew_lockers
 - crew_locker_events
 - notifications
 - notification_prefs
 - crew_locker_ingest_failures
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4. Process Flows

Flow A — Email Ingestion

- Pipe script reads email
- Verifies @klm.com
- Extracts Keynius URL + UUID
- Upserts into crew_lockers
- Logs event

Flow B — Scraper Sync

- Cron fetches Keynius page
- Parses end date and details
- Updates crew_lockers

- Logs renewals/expiry

Flow C — Notifications

- Cron checks thresholds
- Inserts into notifications
- Sends email if enabled

Flow D — Client Rendering

- Crew Lockers page lists lockers
 - Messages shows reminders
 - Home banner shows unread count
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5. Security Model (Current)

Endpoints accept PSN from client (interim model).

Future: derive PSN from bearer token.

6. Troubleshooting

Forwarded email not working?

→ Check crew_locker_ingest_failures

Locker not updating?

→ Check last_http_status & consecutive_failures

No reminders?

→ Check notifications table & cron execution

Banner not showing?

→ Ensure unread > 0 (read_at is NULL)

7. Bootstrap Checklist

1. DB tables exist
 2. Pipe configured in cPanel
 3. Cron jobs active
 4. Scraper tested
 5. Notifications visible
 6. Home banner verified
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End of Document.