

# **Crew Lockers System Bible (V2)**

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## **1. System Purpose**

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

Integration is achieved via:

1. Inbound email ingestion (forwarded email from @klm.com)
  2. Periodic scraping of the Keynus 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 Keynus
- Forward confirmation email to [lockers@xcmxfa.com](mailto: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
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### 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 Keynus URL + UUID
- Upserts into crew\_lockers
- Logs event

Flow B — Scraper Sync

- Cron fetches Keynus 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.

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## 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)

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## 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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