

Common Module - Detailed Sequence Diagrams

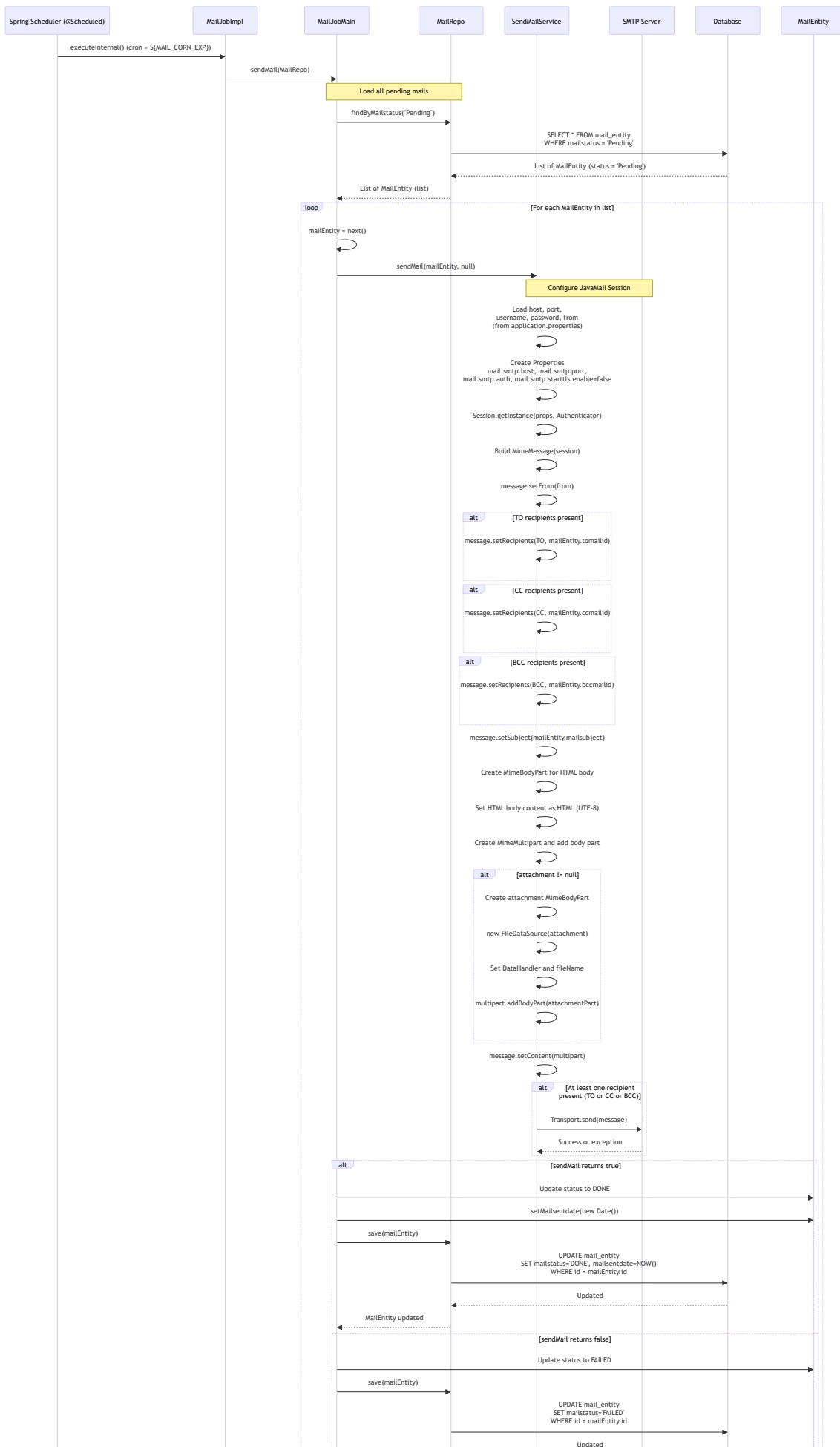
This document describes the **key technical flows** implemented in the `com.i4o.dms.kubota.common` module:

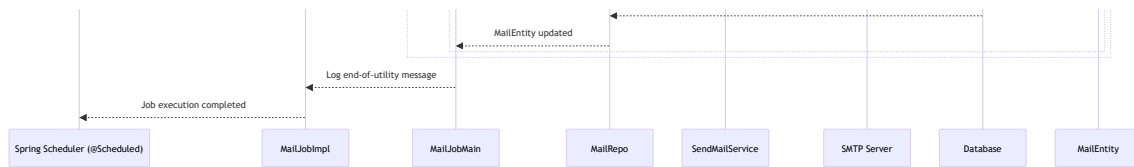
- **Mail sending pipeline** (scheduled job + mail service + mail repository).
- **System lookup API**.
- **Jasper report generation and export** (PDF/Excel/CSV/HTML).

All diagrams use Mermaid sequence diagrams and reflect the current implementation of the common module.

1. Mail Sending Pipeline (Scheduled Job → MailJobMain → SendMailService)

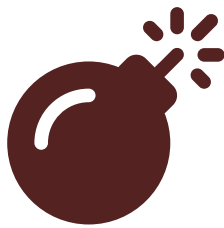
This flow shows how **pending emails** in the database are periodically sent via SMTP using `MailJobImpl`, `MailJobMain`, and `SendMailService`.





2. System Lookup API (SysLookupController.lookupByCode)

This flow shows how system lookup values are fetched for UI dropdowns or configuration using SysLookupController and underlying repository logic.



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