

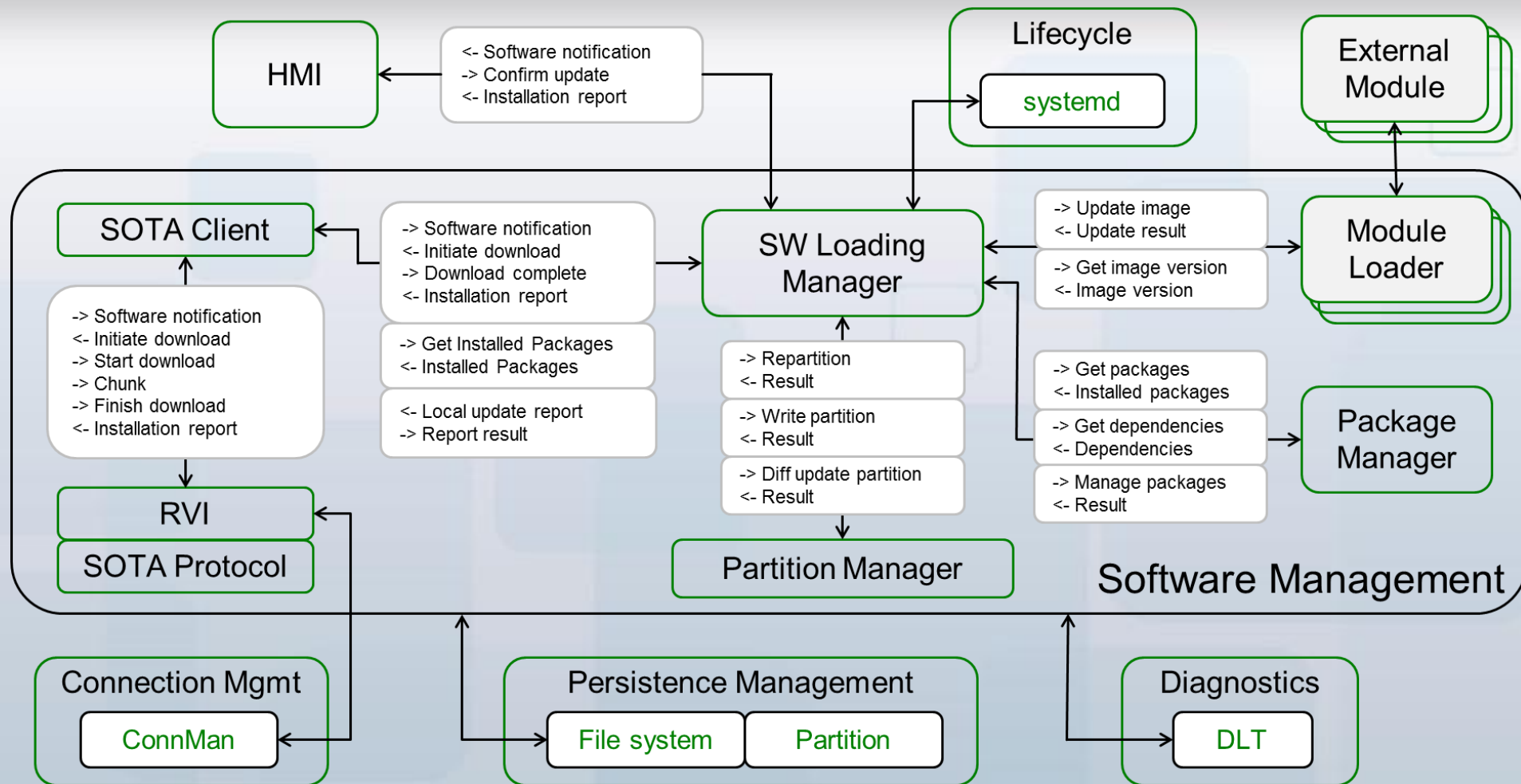


Software Management

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Schematics



Software Over The Air

Notify

- Information about available packages

Download

- Initiate, stream, and complete package download

Retry

- Resend and multi path

Validate

- Integrity check. Signature validation.

Install

- Forward to Software Loading Manager

Software Loading Manager

User confirmation

- Display package notification and get user approval on install

Download coordination

- Request SOTA download, forward to install component, report success

Local update reporting

- Packages installed through local media

List installed packages

- Report list of installed packages to synchronize backend

Module Loader

Flash external modules

- Install firmware image on ECUs, SiriusXM, etc

Rollback

- Validate installs and rollback on failure

Report

- Report firmware installation result

Version reporting

- Probe and report firmware currently installed

Package Manager

Install, Upgrade, Remove packages

- Integrates with native package manager

Get installed packages

- Report all currently installed packages

Resolve dependencies

- Report met and unmet dependencies for a given package

Installation validation

- Validate installation, roll back on failure, and report result

Partition Manager

Create, Resize, Delete
partitions

- Integrate with native partition manager

Write partition image

- Copy an image to a partition

Apply partition update

- Apply a binary delta update to a partition

Stream partitions

- Stream data to a partition



Thank You

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