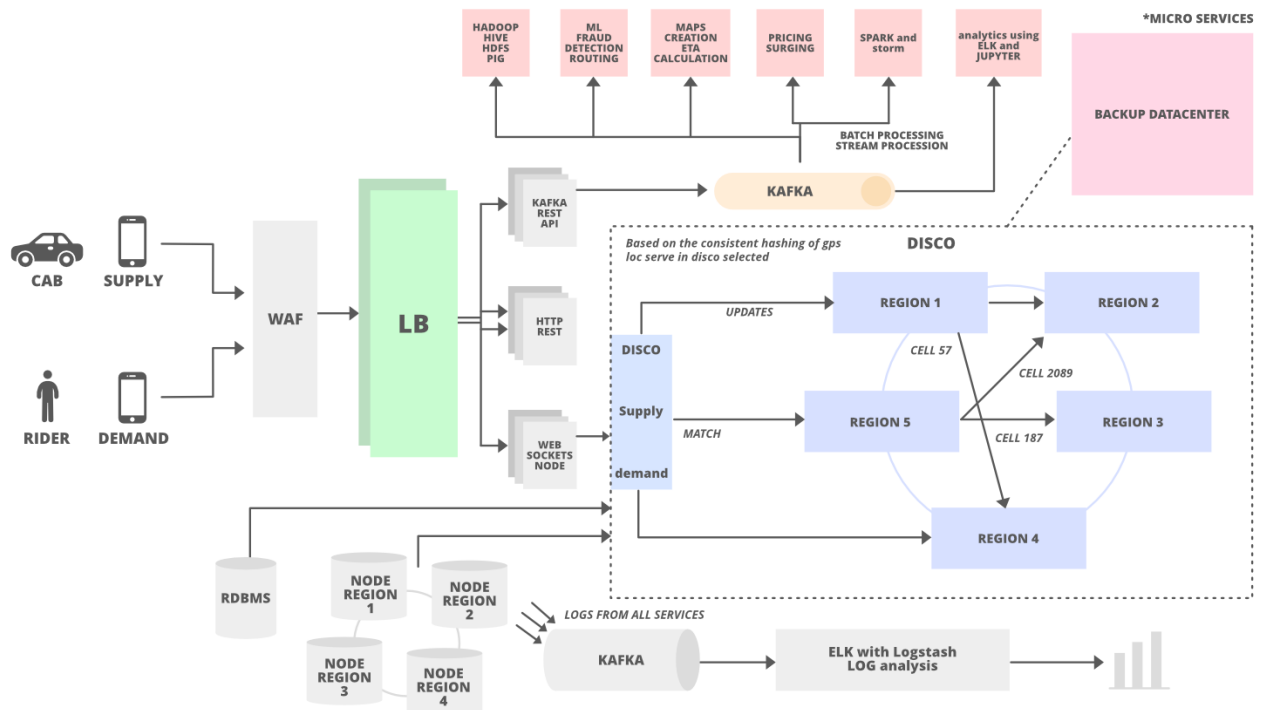# IN-DRIVE Architecture

Architecture flow Diagrame for In-drive

Flow Architecture Example

1. **User opens the in-drive app**: The system activates the UI layer, and the app is projected on the car's dashboard screen or accessed via voice commands.

2. **User initiates navigation**: The app collects GPS data, queries backend servers for traffic conditions, and calculates a route using cloud-based map services. It interacts with the middleware for system resources and sensor data.

3. **During the drive**: The app receives sensor inputs and adjusts the flow (e.g., reroutes if traffic is detected, or pauses music when receiving calls), while the vehicle's systems may send telemetry data to improve route accuracy and suggest fuel stations.

4. **Safe interaction enforced**: If the vehicle moves, only certain features are available to prevent distractions (e.g., navigation remains accessible, but video content is disabled).

IN-DRIVE Business Model

DRIVER → Register On App → Submit License & Documents For Verification → Accept Booking Request → Send Booking Confirmation (Arrival Time & Location)

EARNING (Payment - Commission)

Travel To Rider's Location

Drops At The Destination

ADMIN

Manage App | Earn Commission

NOTIFICATIONS

RIDER → Register On App → Search Cab For Specific Location → Send Booking Request → Payment Transfer Automatically (After Trip Completion)