



CLOUD SHINE
GLOBAL

— L.L.P —

YOUR TRUSTED PARTNER

Oracle Billing & Revenue Management

BRM High Level Architecture

Application Tier

Business Tier

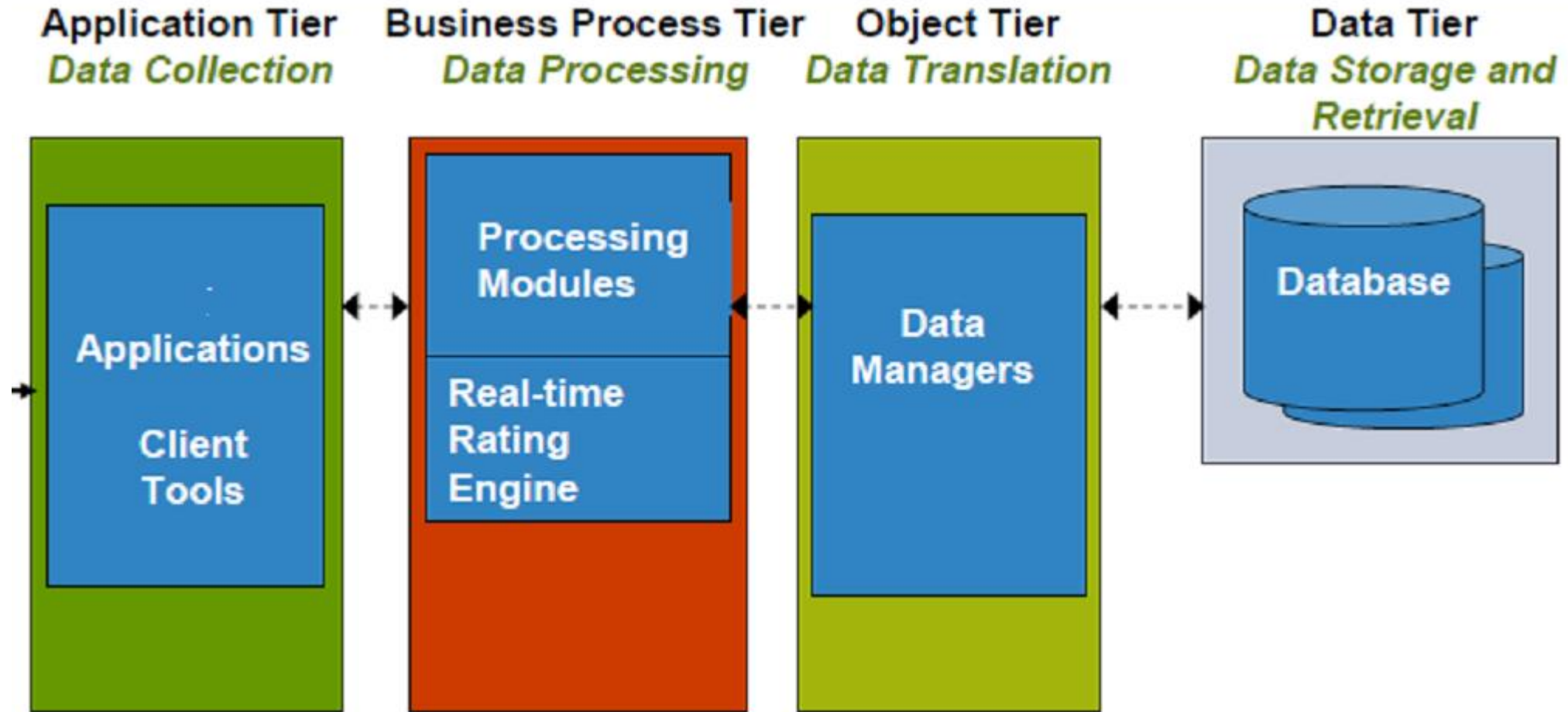
Object Tier

Data Tier

BRM & ECE Architecture

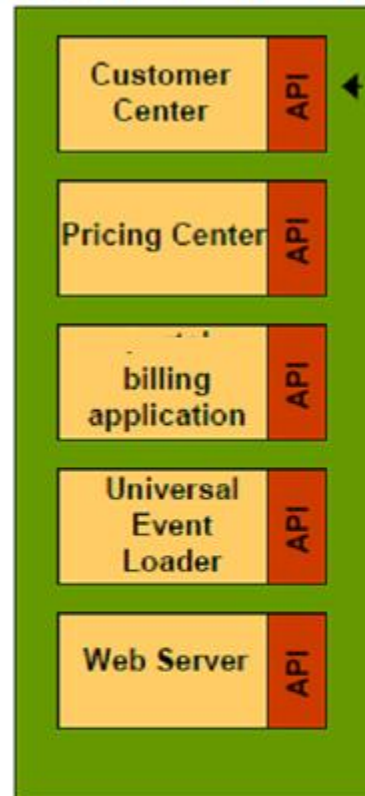
BRM Entities

BRM System Architecture



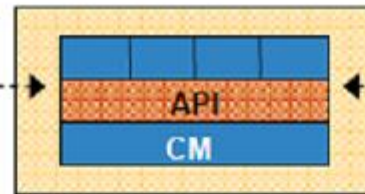
BRM System Architecture – Application Tier

Application Tier



**Data Collection
and Business
Process Trigger**

Bus. Process Tier



Object Tier

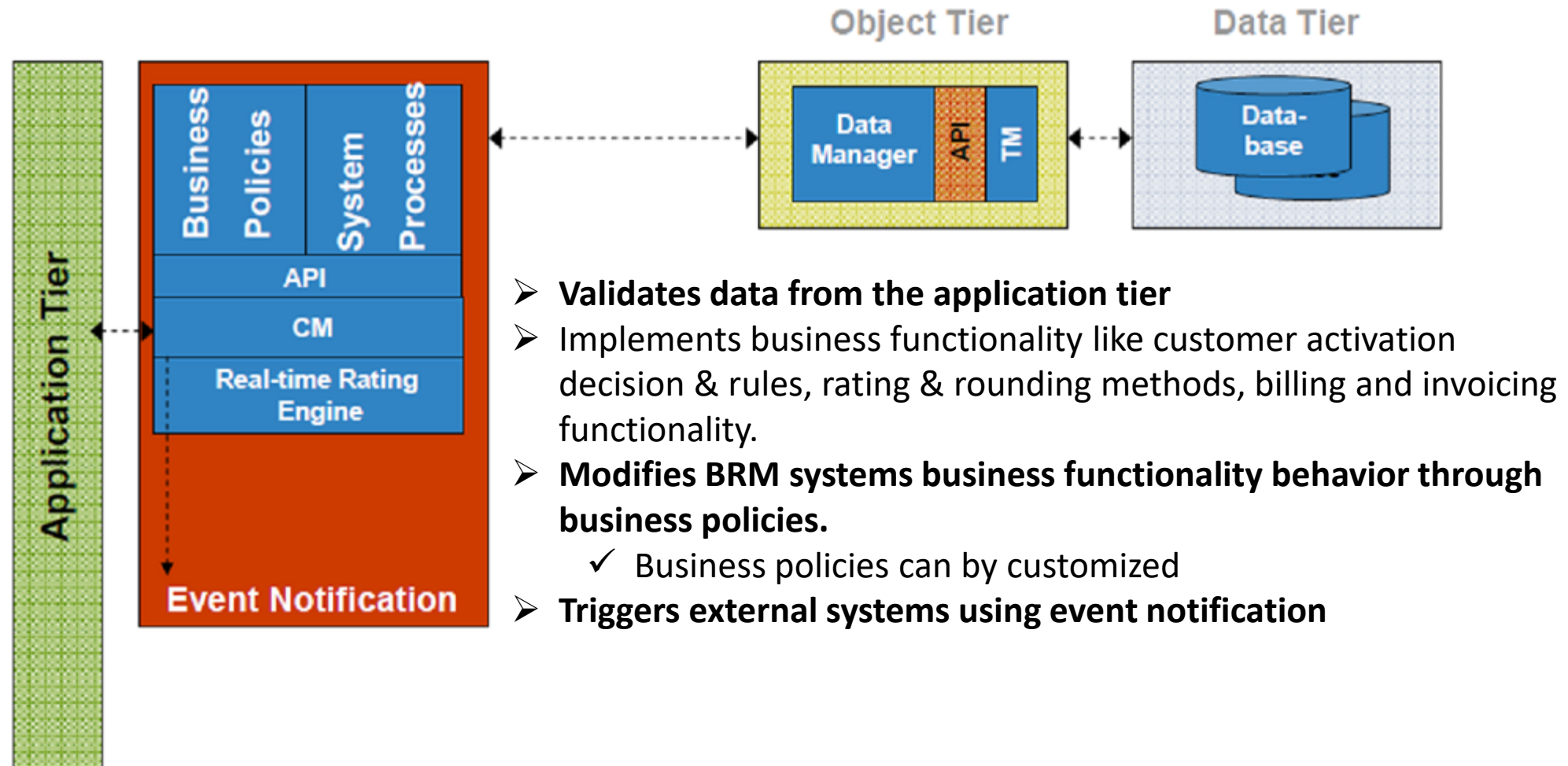


Data Tier

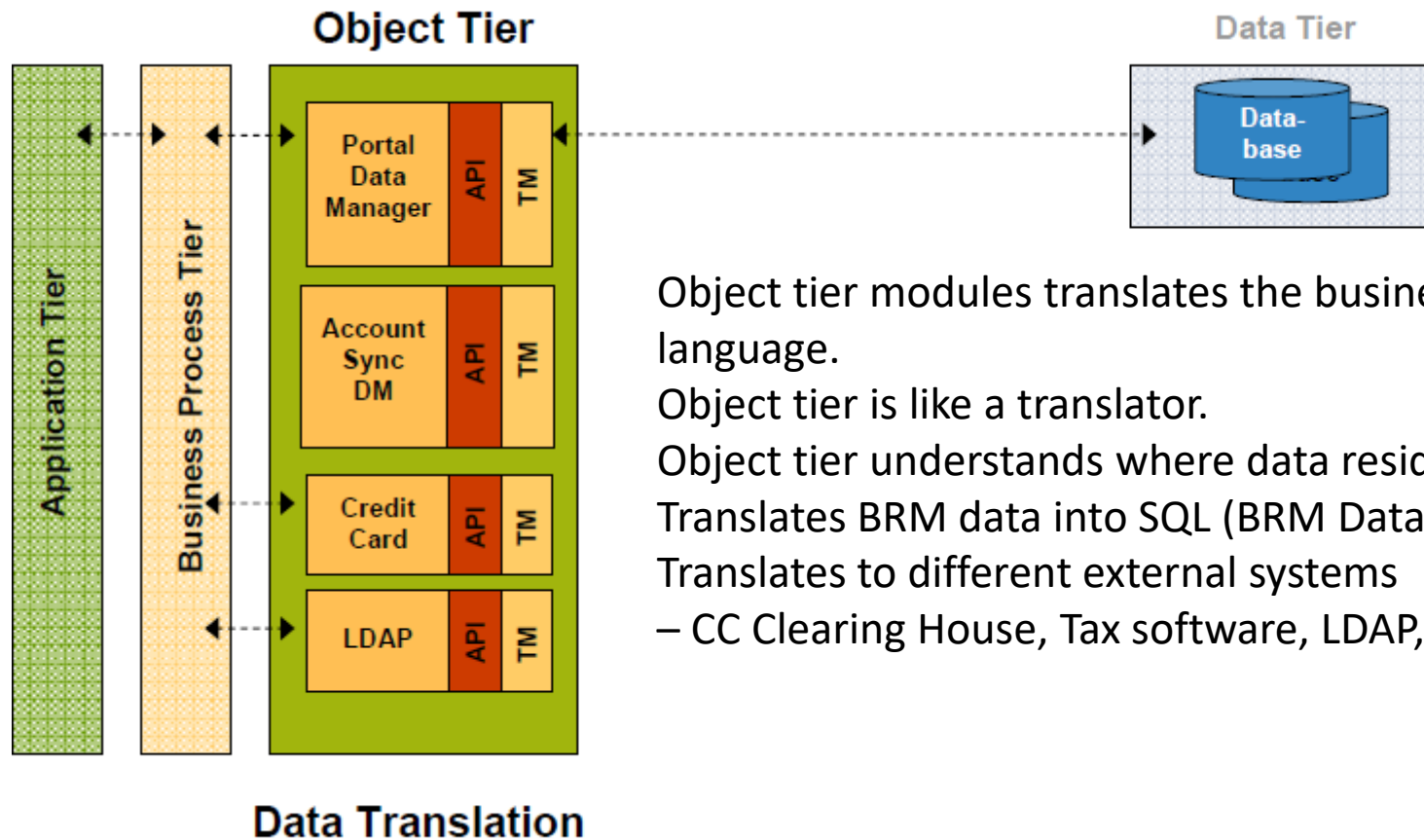


- Any Application that collections data from the customer and feeds to business process tier.
 - Example: If a customer goes to Airtel showroom, CSR will ask to provide the customer details and enters using airtel portal or airtel MobileApp and sends data to business process tier for further processing.
- BRM client tools like Customer center, pricing center, Developer Center etc.
- Applications that capture event data from customer usage subsystems.

BRM System Architecture – Business Process Tier



BRM System Architecture – Object Tier



Object tier modules translates the business process data to data tier language.

Object tier is like a translator.

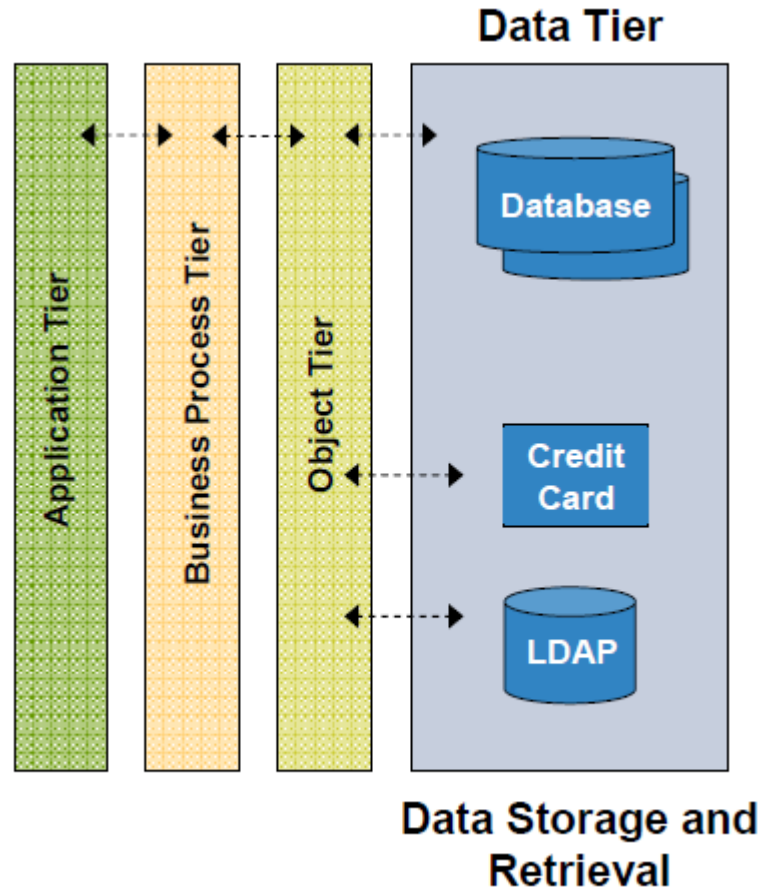
Object tier understands where data resides, complexity is hidden from user

Translates BRM data into SQL (BRM Database)

Translates to different external systems

– CC Clearing House, Tax software, LDAP, etc.

BRM System Architecture – Data Tier



Data tier is the place where data resides.

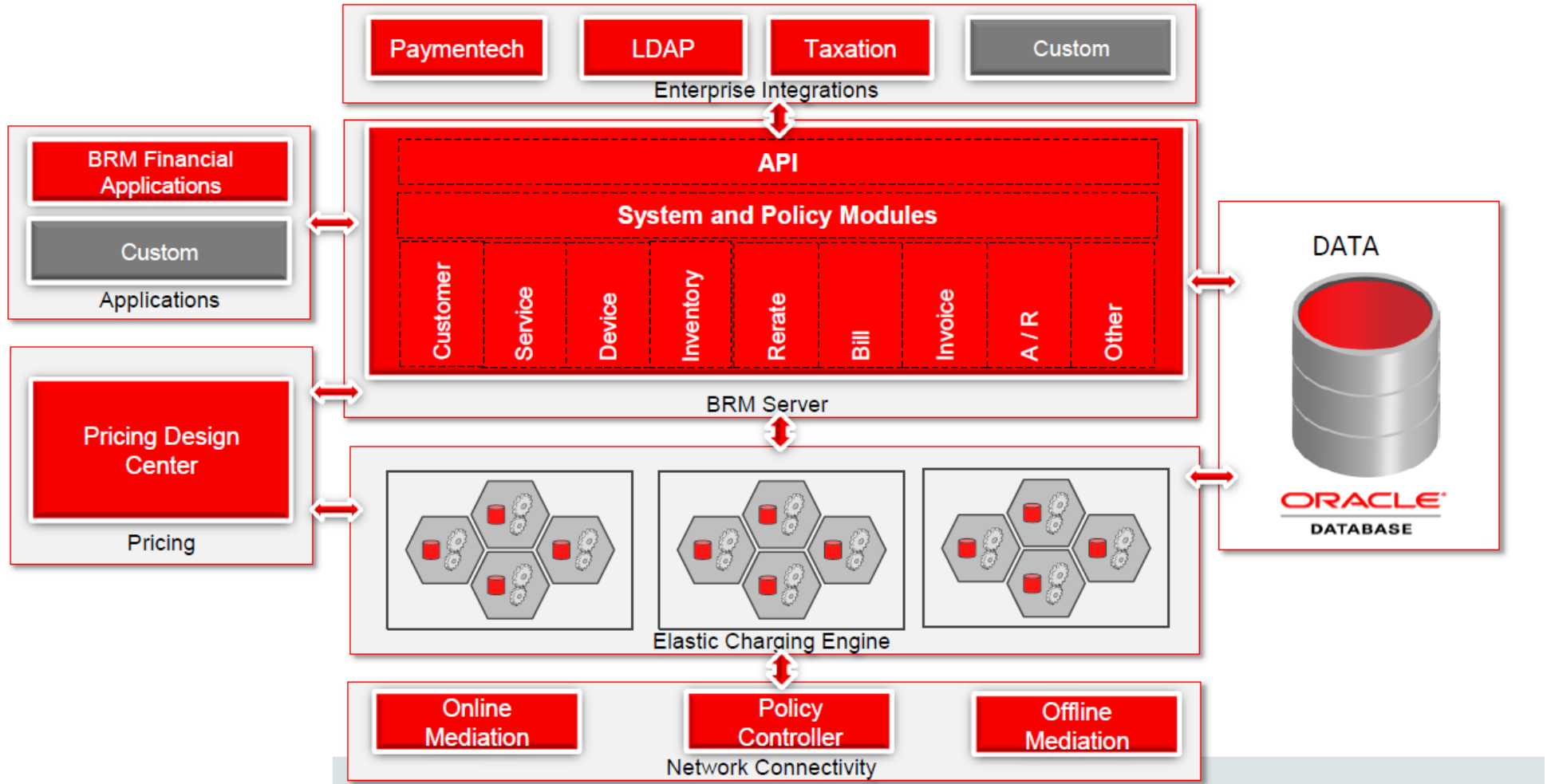
It can be a database, or file system.

Interfaces available to external systems, including payment, tax, email and directory servers

API provides access to *any* external system, including legacy databases. One-way or two-way communication.

BRM & ECE System Architecture

BRM Architecture



ECE Functionality

Elastic Charging Engine Functionality

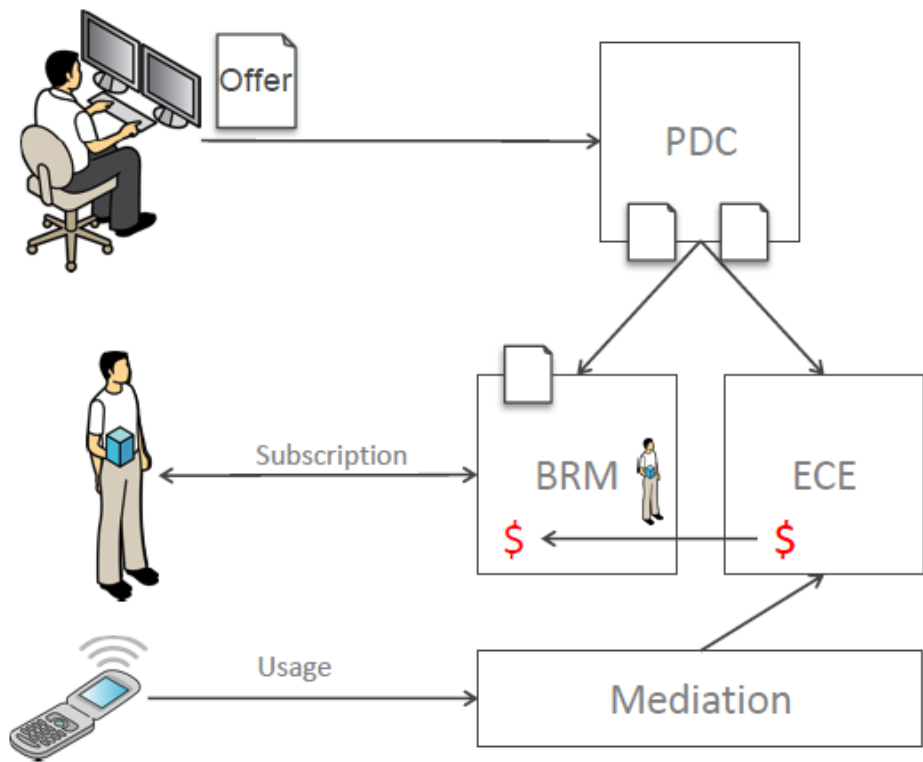
- Authentication and Authorization
- Rating and rerating
- Taxation
- Alteration (Discounting)
- Sharing
- Balance Management
- Extensions (customizations)
- Integration (policy and 3rd Party Top-up)



ECE Charging Lifecycle

Elastic Charging Engine

Charging Lifecycle



- Offer design in Pricing Design Center
- Common model transformed from design-time to run-time dynamically
 - Usage charging in Elastic Charging Engine
 - Subscription charging in BRM
- Subscription done in BRM
- Subscriber synchronized with Elastic Charging Engine
- Usage charging in Elastic Charging Engine
- Balance reflected in BRM

“Thank You”

