

A Time-to-value Solution for Telco Operators

KEY FEATURES

- Pre- built, adapters
- Supporting both standard and real-time data
- Ingestion with modern data pipeline technology
- Designed and tested for high velocity, high volume situations
- Data Collection & Enrichment
- Pre-built Analytics with AI/ML Models
- Visualization & Dashboard
- Seamless Integration with downstream application

KEY BENEFITS

- 360 ° view of customer
- Enhance revenue
- Granular Experience
- 8-10 Weeks of Implementation
- Expandable & Customizable

OVERVIEW

Telecom enterprise businesses are evolving from connectivity providers to ecosystem orchestrators. The ability to provide connectivity services has been a critical revenue driver for telecom operators that offer enterprise services. But as the world becomes more mobile, with consumers using their own devices and industries embracing new technologies (such as 5G, IoT and edge computing), operators are looking for ways to offer a variety of Information and Communications Technology (ICT) digital services and business solutions to their B2B customers in the hope of increasing customer retention and profitability. This brings the real challenge for the CSP on integrating their existing systems like Billing, Policy and network Inventory management in the new paradigm in a cost-effective way that scales. To address these integration issues, we built pre-built connectors together with in-built analytics using the modern data pipeline & data visualization to these systems of records which can be implemented in near real-time.

WHAT WE BUILT

Pre-built adapters & associated analytical dashboards including AI/ML to improve time-to-value by lowering cost, effort, and implementation risks. One of the top three challenges a CSP faces is the Lack of Agile System Integration as they use complicated coding and point-to-point integration. This becomes inefficient and challenging when adding external vendors, suppliers, and warehouses, performing the most difficult task of collecting clean and useful data from source systems.

ADAPTERS (On-Premise and Multi-Cloud Deployable)

1. Oracle Billing and Policy adapters BRM, NCC, and PCRF. (Oracle telecom billing and policy product)

AMDOCS BMS

Rev.io – Modern New Edge Billing Application

2. Support syncing existing message queues, API endpoints, Database Logs, and Streams, and read data directly from its source and creates an IT integration layer The integration layer collects all the data and provides a single dashboard for better planning.
3. Modularized components divorce the infrastructure from the operations support system (OSS) and adopt standardized interfaces

● Data mapping includes:

[BRM, AMDOCS] Accounts, Plans, Deals, Products, Discounts, Subscriptions, CDRs, Balance Impacts, Invoices, Payments [NCC, REV.IO] CDRs, EDRs, Vouchers, Accounts, Wallets, Balances [PCRF]: Policy Records, Policy Trigger Details, Quotas, Networks, Devices, Location

● Analytics (Oracle Analytic Cloud, Power BI, Spotfire)

Understand customers better with cutting-edge visualization and AI/ML and interpret the KPIs that make a difference for the bottom line.

BILLING

- Month-over-month comparisons
- Projections for MRCs, NRCs, and other revenue
- Projected vs. actual billing
- Month-over-month daily comparisons

ACCOUNT MANAGEMENT

- Clients churned
- Customer lifetime value
- New vs. lost customers
- Customer profitability analysis by ARPU, AMPU
- Identify high-risk customers

REVENUE

- A/R aging
- Average days delinquent
- Analysis of revenue and ARPU trends
- Revenue leakage
- Insight into revenue shared with partners

USAGE & POLICY

- Product Usage
- Trends of Usage over time
- Policy vs. Device & Tier
- Stranded Policies
- What-if Simulation
- Quota v/s Corporate Subscribers & Plan

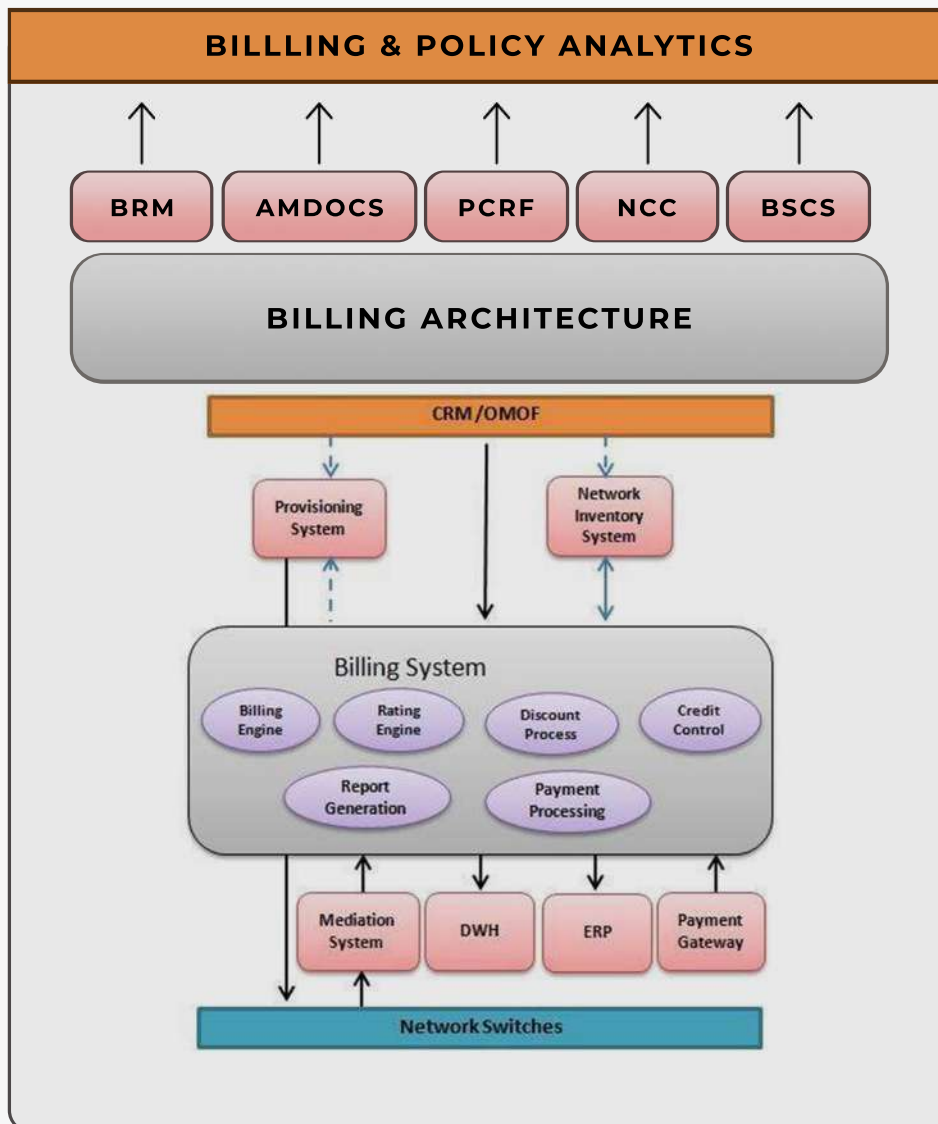
HOW DOES THE CUSTOMER BENEFIT

- Faster time-to-value – Provides Billing & Policy Adapters and Analytics out-of-the-box
- Billing & Revenue specific – covers 30+ business areas companies commonly monitor
- Single source of truth for Customers, Billing, Policy, and AR
- Machine learning/Data science-based tools to predict and make profitable decisions faster
- Data source and application agnostic foundation that allows scaling as per your business needs

OUR APPROACH

- Brings in data from different data sources - 3rd party and Oracle apps, database systems and warehouses, on-prem & Cloud
- Drives real-time and even predictive analysis
- Offers platform and infrastructure to drive high-speed computational and analysis
- Serves data in a consumable format by user role

Here is the Solution Architecture:-



EBIW BRM, NCC, and PCRF Adapters enable CSPs to create and maintain data integration in ways that are simpler and far more cost-effective than any other on the market. The adapters provide function-rich capabilities out of the box, allowing CSPs to bypass the task of developing the adapter on their own while enabling the flexibility to choose the speed of data refresh appropriate for their business requirements. And because the adapters are fully productized, implementation and ongoing maintenance costs plummet.

VALUE ADDED OPPORTUNITY TO ORACLE

Oracle Tools, Technology & Service Stack for Development

Application Development Tool	<ul style="list-style-type: none">● OCI APEX Service● Oracle VB Studio
Data Ingestion & Capture	<ul style="list-style-type: none">● OCI Fusion REST Service
Data Integration	<ul style="list-style-type: none">● OCI Streaming Service● OCI Integration Cloud Service
Data Transformation	<ul style="list-style-type: none">● OCI Data Integration Service● OCI Data Flow Service
Data Storage & Governance	<ul style="list-style-type: none">● OCI Object Storage Service● OCI Autonomous DW Service● OCI Data Catalog Service● OCI Big Data Service
Data Analysis & Visualization	<ul style="list-style-type: none">● OCI Analytic Cloud Service● OCI Data Science Service MSET2, Vision, Sentiment, Language, ADS● OCI Goldengate Stream Analyzer

CONTACT US

For more information about **PRE-BUILT ADAPTERS & ANALYTICS**, visit ebiw.com or call to speak to an EBIW representative.