ORACLE SERVICE BUS (OSB) MIDDLEWARE IMPLEMENTATION

The client is one of India's oldest and largest banks and is a leading player in the Indian credit card market with a customer base of over two million customers and growing. The client was seeking a technology and consulting partner to migrate its existing middleware to Oracle fusion middleware, so as to address issues on security, scalability and reusability.

KEY CHALLENGES

- Multiple frameworks and platform for service provisioning.
- High cost and time to market for new services.
- High maintenance cost for existing solutions, business logic replication.
- Integration complexity between disparate front-end and back-end systems.
- Non-standard and different integration between various front-end applications like mobile, website, IVR and back-end.
- Client's next generation of applications to be written using loosely coupled web services.
- Non-reusable services, introduces redundancy, increases development and maintenance cost.
- Increase intrinsic interoperability.
- Security and auditing.

SDG SOLUTION

- **SOA based middleware:** Reusable functional, data & rules services. Service virtualization, Orchestration, dynamic and content based routing.
- **Faster time-to-market:** Ready to use standard API's available for consumption. Industry standard and best practices for EAI and SOA. Open standards for loose coupling, interoperability and reusability
- **Functionally scalable and HA environment:** Loosely coupled application eliminates point to point integrations making the environment scalable.
- **Maintainability:** Reduction in changes (change cycles) in value chain due to front-end application needs and back-end system behaviors.
- **Operational efficiency:** SLA and reporting, unified application monitoring and support. Proactive alerting and notifications.

BENEFITS DELIVERED

- **Fast time to market: loose coupled, shared services**
- **Lower TCO: consolidated operations, reduction in duplication of business logic**
- **Principal and guidelines for SOA roadmap**
- **High availability platform & services**

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ANALYSIS OF ORIGINAL INFORMATION SYSTEM

CHANNELS

APPLICATIONS

CUSTOM APP AND DATA SOURCES

Website

IVR

SMS/Mobile/WAP Channel Applications

ING SERVICE

SERVICE REQ.

INFO. SUMMARY

INFO. ANALYZER

STATUS

Custom App

5-LINK

Local ESB

Global ESB

DATA VALIDATION

DB

MS

DB

LEGACY

- Fetches data **directly from source systems**
- Executes business rules like statement trans, processing, reward & cash back aggregation etc.
- Renders data as per front end

Provides Data & Accepts Processed Requests

ANALYSIS OF RE-DESIGNED INFORMATION SYSTEM

CHANNELS

APPLICATIONS

SOA MW

DATA SOURCES

Website

IVR

Mobile App

CRM

Global ESB

DB

CRM

CUSTOM

LEGACY

TECHNOLOGY USED

- Oracle SOA 11g(11.1.1.7), including OSB
- BPEL, Mediator, Rules, OWSM and BAM
- Enterprise Manager
- SVN, Quality center
- Weblogic service 10.3.6, Coherence 3.7, Python
- XML, XSD, XPATH. XQuery and XSLT.
- JDK 1.7

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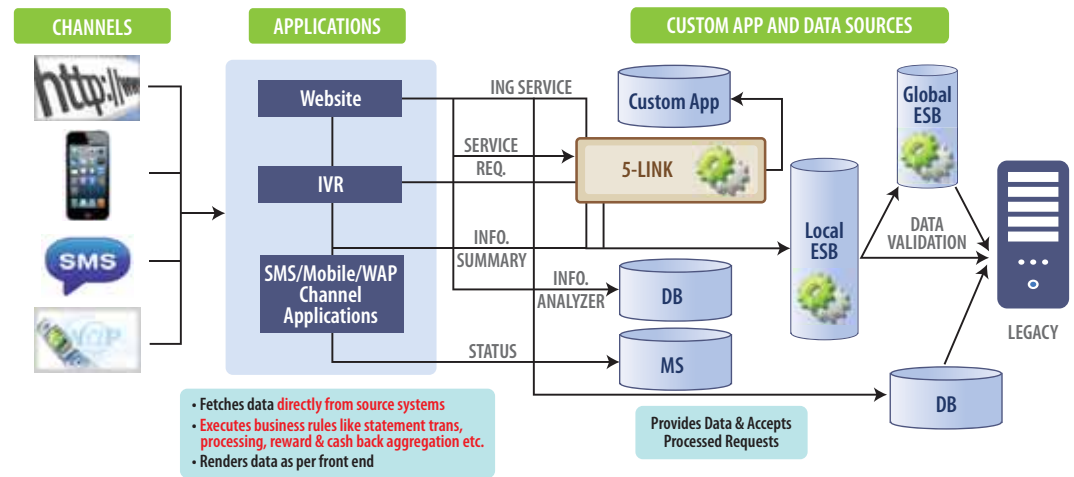United States
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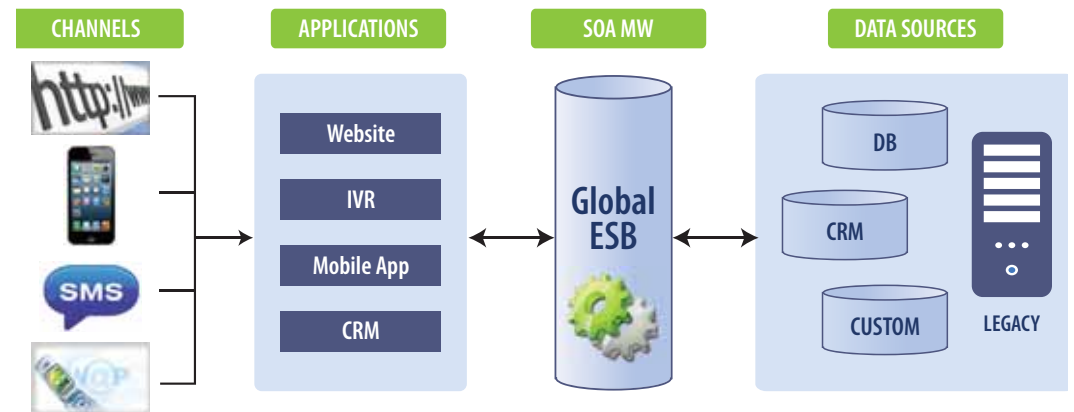Andhra Pradesh, India
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SDG

[technology + passion] – risk

SDG is a leading provider of technology, consulting and risk management solutions and services to strengthen enterprise businesses while managing IT risk. We focus on: Risk and Security; Identity and Access Governance; Digital Collaboration; Quality Assurance; Mobility and Cloud. We combine technology, thought leadership and a relentless passion for customer success.