An Innovative Approach to Progressive Core Modernization in Banking

V. Balasubramanian (Zafin)  
Mythili Venkatakrishnan (IBM)  

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Shift in Banking and Financial Services

Competition
- New Players - Digital Only Banks
- Payment Banks
- More choices for Customers

Regulation
- Increasing interventions
- Quick policy changes

Customer Expectations
- Better Services
- Reasonable Charges
- Personalized Offers
- Rewards

Profitability
- Price war among competition
- Scrutiny over budgets

Technology
- Adaptability to changes
- Future Proof Skills

Go Digital – Transform Vs Modernize
Modernize progressively with minimal disruption

- Transform by adopting Industry best practices
- Progressively modernize vs core replacement/transformation
  - Minimize Risks
  - Avoid unnecessary costs
- Business value from real time information flow between core systems & Zafin application
Technical Proof Points

- Externalizing Product and Pricing from Core Systems
- Data
  - Stays in the Systems of Record
  - Realtime – Data as of yesterday VS Data as of now
  - Transform the data into information and process
- Batch based processing
  - Periodic recurring rewards
- Standard Interfaces - Ingestion of data through APIs
Information Flow

1. Requests are originated from channels
   - Online
   - Mobile
   - Branch

2. Accept requests from channels and sends request for information to IBM Z DIH
   - Process the response from Z DIH and responds to channels

3. Accept requests from Zafin application and retrieves data from Systems of records
   - Process the data and responds to Zafin application with information computed / derived from data

4. Accept requests from Z DIH and responds with data

IBM Z Digital Integration Hub

APIs

Core Transactional & Batch Applications

- Raw Transaction / Core System Data
  - Customer
  - Account
  - Cards
  - Transactions
Demo: What you will see today

In this demo we will cover the following

- Rates Management – Deposit Rates Pricing
- Plan Rewards – Instant Cash Back Reward
- Product Bundles – Cross Product Offer

<table>
<thead>
<tr>
<th>Product</th>
<th>Rewards</th>
<th>Bundles</th>
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<tbody>
<tr>
<td>• Fees &amp; waivers</td>
<td>• Cash Rewards</td>
<td>• Packages</td>
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<td>• Rates Management</td>
<td>• Transactional Rewards</td>
<td>• Multi Product Offers</td>
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<td>• Merchandise Rewards</td>
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Deployment considerations

- Artifacts developed are re-usable for deployments at financial institutions (FIs)
  - Zafin Application – Pre-integrated with IBM Z Digital Integration Hub
  - Ready to use APIs

- Additional development required
  - Zafin & Z Digital Integration Hub can be integrated for other use cases
  - Underlying data mapping is required for FI’s specific core systems to Zafin APIs
Build Plug & Play Ecosystem using BIAN Framework

Marketing, Sales and Onboarding Platforms

- Product Catalog
- Rates & Fees
- Offers & Rewards

Zafin Microservices Platform

- GetProduct
- GetEligible
- Product
- GetPackage
- GetRate

Servicing Platforms

API

- Fee & Rate
- Transparency

IBM Z Digital Integration Hub

with Pre-built APIs, Data virtualization

Kafka/API/File

Account, Balances, Transactions

Fees Rates Rewards

Z Mainframe Core Systems

- Hogan Core
- Custom core (not packages)
- Core Systems:
  - Core Banking
  - ACH Processing
  - Wires
  - Etc

Cloud-based Core Systems

- Thought Machine

API

- GetProduct

ETL & data mapping
Zafin & IBM Z Digital Integration Hub combined value

- Aligned with BIAN industry standards
- Enables client to broaden ecosystem without disrupting core systems
- Business value from real time information flow between core systems & Zafin application
- Data stays on platform — limits risk of raw data exposure
- Pre-built APIs & reusable assets from the Zafin integration with Z Digital Integration Hub
Comments & Questions

For more information on Zafin:

V Balasubramanian: v.bala@zafin.com

For more information on IBM Z Digital Integration Hub:

Mythili Venkatakrishnan: mythili@us.ibm.com

Amy Hieter: afhieter@us.ibm.com
Zafin provides a comprehensive solution for product and pricing control, fee & rate integrity and conduct risk assurance. In the current environment it is critical for financial institutions to know which client has which product(s) and services, be able to assure that the pricing is appropriate and fair and be able to substantiate that the fees/interest are consistent with the contractual arrangement.

Zafin's solution is a Cloud based SaaS platform that can be implemented quickly and with minimal to no changes required to existing product systems. This means that the institution can externalize product control into a single business application. Once the platform has been implemented, institutions can expect faster time to market for new offers, improved visibility across the product portfolio and assurance of robust product and pricing governance.

**CONTACT US**

**TORONTO – HQ**

330 Bay Street, 9th Floor
Toronto, Ontario
M5H 2S8

**Phone:** +1 647-350-5359

**VANCOUVER**

401 W. Georgia Street, Suite 1701
Vancouver, British Columbia
V6B 5A1

**Phone:** +1 604-559-9301

**OTTAWA**

179 Colonnade Rd., Suite 100
Ottawa, Ontario
K2E 7J4

**Phone:** +1 613-216-2504