Fiserv Enterprise Services Framework and SOA

Architecture Roundtable 2
The Why and The What

Why are we talking about this?
What approach can we use to look at it?
Why are we talking about this?

- **Banking customers are demanding more**
  - More control over relationship with F.I.
  - Improved service options and quality

- **No product is the best at everything**
  - Requires combining best-in class components
  - Components from the bank, Fiserv, or others

- **Significant uncertainty**
  - Economic and regulatory changes
  - Risk resilience

---

Ever increasing rate of business change
Dynamic business requires dynamic IT

- Service Oriented Architecture (SOA) is a style of developing and integrating software.
- It uses common, repeatable “services.”
- Enterprises can assemble and reassemble these services.
- Service Oriented Architect can help:
  - Permit more complex applications to be created
  - Support IT processes that directly map to business processes
  - Extend applications and processes beyond organizational boundaries
  - Accommodate rapid changes to the business
The Enterprise Services Framework

- **What is ESF?**
  - The next step in the adoption of SOA throughout Fiserv
  - A combination of services, software and hardware
  - Enables Fiserv to deliver more integrated solutions to our clients

- **How can we examine its role?**

**Goals of SOA**
- Reduce costs
- Increase value
- Increase visibility & control
- Empower business
- Improve agility
The What and The How

What happens in a typical SOA adoption?
How is Fiserv achieving the SOA goals?
Typical SOA Roadmap

Goals of SOA
- Reduce costs
- Increase value
- Increase visibility & control
- Empower business
- Improve agility

Phases
- Loosely Coupled Services
- Business Services
- S.O. Business Apps
- Enterprise S.O.A.

Wrap Legacy Interfaces
Governance Framework
Managed Services
Intermediaries
S. O. Processes
Composite Apps

Goals
- Reduce costs
- Increase value
- Increase visibility & control
- Empower business
- Improve agility

Wrap Legacy Interfaces
Governance Framework
Managed Services
Intermediaries
S. O. Processes
Composite Apps

© 2009 Fiserv, Inc. or its affiliates.
Fiserv SOA Implementation

Goals of SOA
- Reduce costs
- Increase value
- Increase visibility & control
- Empower business
- Improve agility

Phases
- Loosely Coupled Services
- Business Services
- S.O. Business Apps
- Enterprise S.O.A.

Communicator
FIAPI
SARB & AC
Enterprise Services Framework
Aperio)

© 2009 Fiserv, Inc. or its affiliates.
A deeper look at the Enterprise Services Framework

ESF

Standards & Service Reference Framework

Governance & Operations

ESB

Hardware and Software

Fiserv and client sites

webMethods

Long term partnership w/ SAG

Multiple software components

© 2009 Fiserv, Inc. or its affiliates.
Software AG’s webMethods
Product Suite Overview

Business Process Management

Integration Server, Broker, Trading Networks

Processes & Applications

Centrasite, Insight, Actional

SOA Governance

Optimize

Business Activity Monitoring
The How and The When

How is the ESF being built?
When are ESF activities happening?
Enterprise Services Framework is a group effort

- Strategic Planning and Architecture Group
- Fiserv Enterprise Technology
- Standards and Architecture Review Board
- Fiserv Architecture Community

- Fiserv Product Groups
  - Bank Solutions (Signature)
  - Lending Solutions
  - Credit Processing Solutions
  - Electronic Banking Services
  - EFT Solutions
  - Many more . . .
Current Activities

• **Training of Fiserv employees**
  • Enterprise Solution Delivery
  • Within Fiserv business units

• **Definition of Fiserv standards for use of the ESF**

• **Cataloging – Service Reference Framework**
  • Focus on services needed for current projects
  • Defining overall Fiserv domains

• **Installation of hardware and software in Fiserv data centers**

• **Design of initial integrations that will use the ESF**
First client-driven project delivering 2010

- **Single Customer View**
  - Consolidated awareness of relationship across providers, including accounts

- **Intra-bank, Inter-core Payments**
  - Payment of loans from deposits

- **EFT Integrated Desktop**
  - Access to EFT information inside native Signature processing
Now What?

What should I remember?
What should I be watching for?
Key Points to Remember

• SOA is about empowering and providing agility to business.

• The Enterprise Services Framework is
  • A natural progression towards Enterprise SOA.
  • A pan-Fiserv initiative being built with webMethods.

• It will be an incremental roll-out.
  • Starting with Single Customer View, Payments, and EFT
  • Expanding rapidly across Fiserv
Next Steps

- Watch for further information about ESF-based services.
  - Eventing
  - Additional multi-channel enablement
  - Expansion into other Fiserv product lines

- Watch for updates regarding future plans for ESF and Communicator.
Questions?