Enterprise Architecture
Engage → Motivate → Evolve

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Innovation & Technology Journey

OpenLink is founded and works jointly with Nat West

- Real-Time Credit/Risk Modules
- Support for Crystal Reports & Lotus Notes Connectivity
- Grid Services
- Web Services Connectivity
- Enhanced Messaging (ECOM)
- .NET User Interfaces
- Web Services Gateway
- Visual TPM
- CMM
- Report Builder
- AutoMatch
- Mobile Apps
- FTP Service
- Operations Dashboard
- TPM Task Designer
- Integrated ADS Service
- Visual Refresh
- Enterprise Logging Framework
  - Cloud
  - RESTful web services

1992
- Web Connectivity & Integration via Connex
- MQSeries connectivity
- Visual Basic Development Toolkit

1994
- Service Oriented Architecture
- C/C++ SDK and Toolkit
- MS Exchange Connectivity
- JMS Web & Integration Connectivity

1998
- Workflow Engine (TPM)
- Open Components
- 64 Bit & Unicode Support
- Java SDK and Toolkit

1999
- Openlink Management Portal
- Document Management
- Real-time data fabric via Active Data Services (ADS)
- Standardized integration transport on JMS
- eMail Service

1999
- Integration Transport Security with SSL
- Intra-process integration for JMS and IBM Websphere

2000
- User Experience
- Risk-as-a-Service

2002
- Nat West successfully launches Findur

2005
- Cloud

2008
- RESTful web services

2010
- Operations Dashboard

2011
- TPM Task Designer

2012
- Integrated ADS Service

2013
- Visual Refresh

2014
- Enterprise Logging Framework

2015
- RESTful web services

2017
- Cloud
Why Disciplined Agile…
Quality / Visibility / Dependability / Accountability

Our Journey Begins

- Pilot Projects
- Training / Mentoring / Coaching
- Strategy for Success
- Assessments / Health Checks / Alignments
- Adoption
- Transformation
- Continuous Improvement
Openlink Architecture Overview

...built on top of a proven, multi-tiered architecture...

A single, integrated system solution
- Distributed design to fit into existing IT architectures
- Services-oriented from the start
- Highly scalable by nature
- Comprehensive integration capabilities
- Database agnostic in design and in practice

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Evolution, Architecture…
Service Facades…

- Expose services as independent domain services via Service Facades
- Legacy clients can also access the new services, in addition to the old legacy methods
- New applications of all sizes and shapes are written accessing the new services
Domain Services

Native Services

- Expose new domain driven services
- New and existing clients can access these services
- Migrate existing functionality to the new service framework
- Opportunity to also migrate existing clients

Strangler Pattern
“...gradually create a new system around the edges of the old, letting it grow slowly over several years until the old system is strangled.”
Martin Fowler
Do not forward the legacy architecture, Instead strangle it while replacing it with new architectures.

Do this at every opportunity!
Architecture Engagement Model

- Engage Customers
  - Client sessions aligning future technology and direction.
  - Address client pain points and technology costs.

- Engage Third-Party Partners
  - Engage strategic consultants that perform due-diligence on 100’s of software companies each year.
  - Validate architecture, technology strategy & roadmaps, perform security assessments.

- Engage Software Vendors / Partners
  - Frequent communication with software partners – ex. MS, Oracle discussing new offerings, cloud, new technologies.
Disciplined Agile in Engineering
Architecture Working Groups

- Working groups and sub-committees
  - Individuals and teams are encouraged to work across teams on grass-roots experiments and proof of concepts.
  - Experiment with new and interesting technologies that may fit into our roadmap.
  - Activities and results are socialized with architects and teams through demos and discussion.

Kafka Experiments:
- Streaming persistent transactions.
- Performance, etc.

Delphix Experiments:
- Platform support.
- Branching model fit for purpose.
- Performance, etc.

Nexus Experiments:
- 3rd Party Product Compliance.
Product & Engineering Alignment

- Market-driven Improvements
- Agree and Align on R&D investment
- Agree and Align on Go-to-market activities

Product Working groups

- Analyst and industry events
- Professional Services staff
- Alpha/BETA
- Client visits
- Strategy team
- Intercomm/CRM Portal
- User groups and SIGs
- Tasks/proposals

Customer-driven Product Advisory Council (PAC)

Architecture Working Group

Build new products
Thank you