SAP Portfolio and Strategy for Business Process Orchestration

Run Integrated Business Processes to Gain Operational Efficiency and Real-Time Business Insight

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1. SAP Portfolio & Strategy for Business Process Orchestration
   - The Context & Trends driving Roadmap
   - Roadmap Vision / Themes
     - Current solutions
     - Short-term, Mid-term & Long-term roadmap

2. Pepsico implementation Q&A
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SAP Middleware Evolution
Addressing Evolving Business Needs

Operational Efficiency

SAP BW, SAP XI
SAP EP, SAP ME,
SAP MDM

SAP Basis

Transaction

Integration

SAP NetWeaver

PEOPLE INTEGRATION
INFORMATION INTEGRATION
PROCESS INTEGRATION
APPLICATION PLATFORM

Life Cycle Mgmt

Composite Applications

SAP BW, SAP XI
SAP EP, SAP ME,
SAP MDM

SAP Technology Portfolio
(SAP NetWeaver + SAP BusinessObjects)

Composition
Discovery & Analysis
Integration
Information Management
Process Foundation
Information Foundation

Unifying Application Lifecycle Management

Business Flexibility
and Insight

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Key trends impacting the next generation of SOA deployments

- Increased influence of business in infrastructure purchasing decisions, “instantly consumable”
- Trend towards end-to-end business processes
- Near real-time, actionable insights
- Focus on TCO and life-cycle management

XYZ Project

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Wow, this is really complex
Getting Most of Your SAP Deployment
Our Investments are Driven by Four Key Themes

**Leverage Business Content**
Actionable process models, rich content with “content fluency” of tools and infrastructure

**Integrate Your Business Processes**
Integration, BPM and event processing infrastructure across the enterprise and business networks

**Get Business Insight in Real Time**
Superior real-time insight with a closed loop from insight to action

**Unify Your Life-Cycle Management**
Integrated architecture with business-and-IT collaboration across roles and tools

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Pre-packaged application, industry and B2B content, methodology and tools for time-to-value acceleration

Business Process Library
- Broad enterprise service portfolio of over 3,000 services
- Descriptive application processes and events exposed in a standard, extensible manner
- Industry-specific business process templates
- Methodology support via content-fluent tools and repository
- Collaborative content creation
Comprehensive process management
- Unifying human and system automation processing steps
- Business Process is more than just service orchestration

Composition of event-driven processes
- Seamless combination of service, event and human task
- Enterprise services consumption
- Tightly integrated with native Business Rules Management

Benefits of an integrated composition environment
- Model-driven development
- Integrated toolset
- Out-of-the-box ESR integration & Business Rules Management
- Lifecycle management
Using BPM and MDM together
- Master data repository in NW MDM
- Model the Process Using NW BPM
- Create and integrate Web Dynpro UIs for MDM governance in NW MDM
- Create and assign MDM schema-specific services with MDM Web Services Generator
- Deploy and execute

Results in
- Higher-quality data, accurate transactions, no rework of orders, shipping delays, etc.
- Improvements in analytics, reporting, and decision making
- Lower operational costs
New capabilities for line-of-business use

- Simulation
- In-flight process changes
- Organization and role management
- Live, collaborative process design (Project “Gravity”)

Semi/Un-structured processes

- Enable knowledge workers to work on collaborative/un-structured tasks within a structured process
- Process pattern “cow path” detection and optimization
Integrated Business Processes
NetWeaver PI – What’s Ahead

Drive to next levels of productivity, TCO, RASP and harmonization with domain-specific integration

Productivity
- New Eclipse-based design-time
- User experience, look-and-feel similar to NW BPM

TCO, performance & availability
- Single-stack implementation for both ESB and process integration scenarios
- Shared process engine with NW BPM
- PI Workcenter in SAP Solution Manager
- Significant reduction of downtime for updates and upgrades

Domain-specific integration
- Integration with domain-specific integration solutions – MII and SOALogix
On-premise B2B
- PI with partner B2B adapters
- B2B integration content in SAP NetWeaver PI

On-demand B2B
- Crossgate partnership (SAP Information Interchange)
- Integration with PI for end-to-end message tracking

Semi-automated mapping
- Integration with both on-premise and on-demand offerings

End-to-end message tracking across environments

Deliver choice of on-demand and on-premise models, with end-to-end visibility and tracking
Enable synergistic use of BI and BPM for intelligent processes and process insights

Real-time E2E Process BAM

- BPM enhanced with configurable dashboards showing end-process and task metrics, KPIs
- Real-time visibility
- End-to-end process scope, unifying packaged app and custom processes

“Process in BI”

- Integration of BPM with BI suite to merge process events and transactional data
- New insights to drive to desired business outcomes

“BI in Process”

- Integration of BPM / BRM to invoke BI services for automated intelligence
- Human process participants have in-context dashboards and query tools for optimal decisions
Real Time Business Insight
SAP and Event Processing

- Heterogenous Event Sources
- Aggregate Events and Patterns
- Federate Event Queries
- Detect Raw Events and Patterns
- Distributed SAP Event Insight Agents
- Fault-tolerant CEP Grid Across Locations and Organizations.
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- Distributed SAP Event Insight Agents
- Fault-tolerant CEP Grid Across Locations and Organizations.

Roadmap
Summer
Real Time Business Insight
SAP BusinessObjects Event Insight XI 4.0

Event-based real-time insights within an enterprise and from across the extended business network

Business Objects Integration
- Operational Dashboards
- Event-based reports

Push events directly to
- People
- Applications
- BPM
- Business Intelligence
- Databases

NetWeaver integration
- Interoperability with NW BPM, PI
- Design-time integration, e.g. define event patterns in the context of a processes
- Run-time integration
Unified Lifecycle Management
Driving Down TCO – What’s Ahead

Drive low TCO via a common design-time experience, run-time foundation, with common monitoring and administration

Integrated solution architecture:
- Key SOA/BPM products under a unified architecture – PI/ESB, BPM and Events
- Common run-time based on OSGi and SCA, shared components, e.g. mapping, process engine
- Common design-time, based on Eclipse and SCA
- Unified Repository and Registry for all SOA & BPM assets via federation
- Common install with options for one product or several

Business Innovation Life-cycle
- Collaborative design across business analysts and developers
- Dependency, impact and usage analysis of assets
- Right view for the right role

Common monitoring and admin
- Integration with SAP Solution Manager
## Business Middleware Roadmap

### Short-term

**Business Content and Content Fluency**
- First BPL release for Solution Blueprinting
- Additional Enterprise Services
- Semi-automatic mapping (pilots)

**Integrated Business Processes**
- BPM – UI technology, productivity, openness
- PI – single-stack ESB (AAE) option, performance and monitoring enhancements
- SAP II (Crossgate, avail now)
- Mii integration in PI/Java server

**Real-time Business Insight**
- Event BAM – first Event Insight release
- Event provisioning in ESR

**Unified Lifecycle Management**
- Central monitoring via SAP Solution Manager – PI Work Center

### Mid-term

**Business Content and Content Fluency**
- Enhanced BPL methodology support via tools, repository
- Collaborative blueprinting and process modeling
- Semi-automated mapping

**Integrated Business Processes**
- BPM – simulation, in-flight changes, suite-local BPM
- PI – new design-time, full removal of dual-stack, uptime
- SAP II – enh. PI integration
- OD/OP integration
- SOALogix integrated into NW
- Business network collab. (pilots)

**Real-time Business Insight**
- Process BAM - real-time, heterogeneous processes
- Operational BI – first integration
- EI – enh. interop. w/PI, BPM, suite, for event consumption/correlation

**Unified Lifecycle Management**
- Common SCA runtime for PI, BPM
- Shared components for PI, BPM
- Common asset repo. for PI & BPM
- Enhanced work Center

### Long-term

**Business Content and Content Fluency**
- Integrated BPL and composite process modeling
- Community platform with partner services and integration with B2B hubs

**Integrated Business Processes**
- BPM – full role & org mgmt. across suite & composites
- BPM – additional LOB, unstructured processes and process community support
- Business network collaboration

**Real-time Business Insight**
- Process optimization
- Process pattern discovery
- Office tools integration

**Unified Lifecycle Management**
- OSGi-based runtime
- Fully integrated business innovation life-cycle across all applicable middleware

*Advanced Adapter Engine (AAE), delivered with SAP NetWeaver PI*
Synergistic Use to Link Insight and Action

- Convergence of traditionally separate business process, business events and business intelligence to close the loop between insight and action
- Business user consumability and responsiveness
- Best-practice business process libraries and pre-defined business events and services in the Business Suite for the construction of end-to-end processes and event insights
- Substantial TCO advantage to manage both application and infrastructure footprints through common lifecycle management tools
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