WEBMETHODS UPDATE & ROADMAP
MAY 3, 2016

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DIGITAL BUSINESS PLATFORM
BUILDING DIGITAL BUSINESS APPLICATIONS

Modular, Agile, Flexible, Fast, Differentiating
## SOFTWARE AG’S DIGITAL BUSINESS PLATFORM

<table>
<thead>
<tr>
<th>Business &amp; IT Transformation</th>
<th>Analytics &amp; Decisions</th>
<th>Agile Process</th>
<th>Integration</th>
<th>In-Memory Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARIS Business Process Analysis</td>
<td>APAMA Streaming Analytics</td>
<td>WEBMETHODS Operational Intelligence</td>
<td>WEBMETHODS Agile Apps</td>
<td>WEBMETHODS BPMS</td>
</tr>
<tr>
<td>ARIS Governance, Risk &amp; Compliance Management</td>
<td>WEBMETHODS API Management</td>
<td>WEBMETHODS BPMS</td>
<td>WEBMETHODS Integration</td>
<td></td>
</tr>
<tr>
<td>ALFABET IT Portfolio Management</td>
<td>TERRACOTTA In-Memory Data Fabric</td>
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<tr>
<td>ALFABET Enterprise Architecture Management</td>
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</tbody>
</table>

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# SOFTWARE AG’S DIGITAL BUSINESS PLATFORM

## Business & IT Transformation
- ARIS Business Process Analysis
- ARIS Governance, Risk & Compliance Management
- ALFABET IT Portfolio Management
- ALFABET Enterprise Architecture Management

## Analytics & Decisions
- APAMA Streaming Analytics
- WEBMETHODS Operational Intelligence

## Agile Process
- WEBMETHODS Agile Apps
- WEBMETHODS BPMS

## Integration
- WEBMETHODS API Management
- WEBMETHODS Integration

## In-Memory Data
- TERRACOTTA In-Memory Data Fabric
2015 RELEASES
WEBMETHODS 9.8 & 9.9
HIGHLIGHTS
2015 RELEASE HIGHLIGHTS

WEBMETHODS
Integration Cloud

- Scratch based Orchestration
- SOAP, FTP, FTPS connectors
- Document (XML, JSON) parsing
- Integration flow as REST API
- Integration Agent
- New connectors

WEBMETHODS
Integration

- OData 2.0 & AMQP 1.0
- New Application Platform
- CloudStreams community
- TN Archiving
- AT Performance
- OneData Data Steward UI

WEBMETHODS
API Management

- Comprehensive and stand alone API-Portal
- API importers for Swagger & RAML
- API runtime versioning
- Automatic REST to SOAP xform
- New API Cloud
2015 RELEASE HIGHLIGHTS

WEBMETHODS
Business Process Management
- Unified process & task admin in Business Console
- Rules: expression editor & improved performance
- Process ETA visualization
- Group tasks & task search architecture

WEBMETHODS
AgileApps
- AgileApps: Case merge, record visibility & perceptible UI
- Opt: enhanced suite monitoring and analytics
- New OpenCAF development

WEBMETHODS
Operational Intelligence
- CC: Composite template based provisioning
- Fix mgt UI
- Enhanced suite admin & config
- Event routing & persistence
- Java 8 support
WEBMETHODS 9.10
RELEASE HIGHLIGHTS
WEBMETHODS INTEGRATION CLOUD

JANUARY 2016

• Microsoft Dynamics connector
• Utility services for list and document management
• Last error info in try-catch block
• Pipeline results after execution

APRIL 2016

• New connectors for Marketo, Salesforce Wave, Magento and Alfabet
• Utility services providing date and string functionality

MONITORING DASHBOARD (JULY 2016)
SWAGGER BASED REST API DESCRIPTOR

OPENID CONNECT TO OAUTH PROVIDERS
Tool tips for merge action

VISUAL FLOW
DIFF & MERGE
WEBMETHODS INTEGRATION

INTEGRATION SERVER

• Auto-generation of OData provider API for RDBMS tables & BigData sources
• Kerberos authentication for REST services
• Additional public utility services for string and date manipulation
• IS 9.7 certified with UM 9.9

UNIVERSAL MESSAGING

• Follow-the-master support for improved cluster performance
• Partitioned file store for improved storage performance and scalability
• Web-based JNDI admin
• AMQP transactional ops
• Configuration profiles in Installer

APPLICATION PLATFORM

• Unit test framework for App Platform services
• SSO authentication between App Platform and Integration Server
• Tighter integration with IS packages generated for App Plat services
• Migration utility for automating version upgrades
WEBMETHODS B2B, CLOUDSTREAMS & ADAPTERS

TRADING NETWORKS
- Enable reuse of partner related information
- Payload encryption for MySQL DB

ACTIVE TRANSFER
- Multi-threaded processing of events
  - Audit trail of file transfer config
  - Dynamic creation of directories
  - Extended parameter substitution
  - Streamlined logging based on log levels

CLOUDSTREAMS
- New connectors to Alfabet, Magento, Zuora, Marketo and OData 2.0
- Enhanced CloudStreams Framework
- Offline upgrade of cloud connector services

ADAPTERS & Estandards
- JDBC drivers for MongoDB, Cassandra and Hive
- New HIPAA 9.6 Module
- New ISO 8583 Module
**Policy Actions**

**Request Handling**

**Policy Enforcement**

- JMS Routing
- Logging and Monitoring
- Routing
  - Routing Type
  - Straight Through Routing
  - Content Based Routing
  - Load Balancing and Failover Routing
  - Set Custom Headers
  - Content Based Routing

**Response**

- Dynamic Routing

**Dynamic Routing**

- Route using
  - Content Variable
- Route Through

- Default Route-To:

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**WEBMETHODS**

API Management

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**DYNAMIC ROUTING**

**RUNTIME API DASHBOARD**
WEBMETHODS API MANAGEMENT

API-PORTAL
- Portal usability enhancements
- API testing improvements
- CSRF attack protection
- Portal bootstrapping efficiency
- Social notifications & Collaboration enhancements

CENTRASITE
- Usability enhancements and improved robustness for access token enforcement configuration
- Swagger support enhancements
- Design and runtime governance of OData services
- Enhanced Business UI

MEDIATOR
- API analytics
- Dynamic routing support
- Support for outbound Kerberos
- Elastic Search support
- OData support – design time & runtime
AGILE PROCESS VISION
UNIFIED BPMS AND AGILE APPS

WEBMETHODS
Agile Process

DEVELOPMENT
- Visual Forms
- Coded App Logic
- Services & Events
- API Enabled

ORCHESTRATION
- Process
- Tasks
- Rules
- Case

CHANNELS
- Web
- Social
- Mobile
- IoT

ANALYTICS
- Discovery
- Operational
- Predictive

Structured
Systematic
Mode 1

Unstructured
Agile
Mode 2

Mode 1

Mode 2
BUSINESS CONSOLE

- Customize Business Console with out of the box gadgets
- Custom dashboards live next to OOTB CLA process dashboards
- Ability to create and bring custom Mashzone NG dashboards to Business Console
MOBILE BUSINESS CONSOLE
Ready to use Mobile Client
DECISION TREES

SUPPORT FOR RULES
WEBMETHODS AGILE PROCESS

BPMS
- Task scheduling
- Task archival and Elastic Search support for event persistence
- Join timer process improvements

AGILE APPS
- SSO support via SAML v2 for Azure AD and other compliant providers
- Integration with CMIS
- Record visibility based permission model
- New EU data center with Amazon support for MySQL RDS on encrypted filesystem

BUSINESS RULES
- New decision trees support in Designer
- Business validation of a rules project
- Pagination support in RMC
- 75% improvement in load times for large decision tables in RMC
- RESTful API for decision tree functionality
ONEDATA

- LDAP synchronization
- Metadata transfer enhancements
- Additional CSRF protection
- Elastic Search enhancements

MOBILE SUITE

- Support for iPhone 6 and iOS 9
- Enhanced EML data entity and service modelling
- Enhanced image caching
- Datasource for files
Delivery issues in critical order process: which of my customers have been affected?

Investigate long-term process data in PPM

PPM tab opens in browser with no login required; current process context already established

Create charts on business data dimensions such as who has purchased

ROOT CAUSE ANALYSIS IN PPM
**OPTIMIZE**

- Self-debugging and diagnostics for O4I
- UM cluster monitoring, enhanced Presto and EntireX monitoring
- Web service data collector can now be monitored from Command Central
- Performance/reliability improvements

**PPM**

- Common representation of business data in processes
- Enable PPM manipulation of Optimize business data
- Launch using Java web start
- Selective migration to new report engine, ability to use old & new report engine side by side
COMMAND CENTRAL & WEBMETHODS SUITE

COMMAND CENTRAL

- Orchestrate upgrades and migration from previous releases
- Command Central self-upgrade
- Mirror repository for fixes
  - Simplified config UI
  - Form-based login
  - License key repository

WEBMETHODS SUITE

- Windows 10 Enterprise and Pro Editions
  - IE 11 support
- Eclipse 4.5 support for Software AG Designer
- IS (9.6 and up) cert with Designer 9.10
- OpenSSL upgrade
- Phased 508 compliance
- Video release notes
SUITE WIDE REBRANDING
## SUPPORTED UPGRADE PATHS

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Direct upgrade paths from all previous versions that are still supported
DISCLAIMER:
The future features described in this presentation are under consideration by Software AG and are not commitments for future products, technologies, or services. The roadmap is subject to change and Software AG does not guarantee the features or the release dates.
FOCUS ON 9 CORE INTEGRATION SCENARIOS
(FOR OCTOBER 2016 AND 2017 RELEASES)

1. Integration Server - Apama
2. ARIS - Alfabet
3. Integration Server - Universal Messaging
4. Strategy to Execute
5. Agile Apps – webMethods BPMS
6. ActiveTransfer – Trading Networks
7. Unified API Gateway
8. DBP - Dev Ops
9. DBP – MashZone NextGen

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HYBRID INTEGRATION & API MANAGEMENT
ROADMAP

**WEBMETHODS**
Integration Cloud

- Lift & Shift on-prem Integration to Integration Cloud
- B2B Cloud App
- Templates & Connectors
- Hybrid Cloud Messaging

**WEBMETHODS**
Integration

- Micro ESB & Docker
- IS/Apama integration
- Business analyst friendly mapping
- Native Hadoop connectivity
- API enabled Integration

**WEBMETHODS**
API Management

- Unified API Gateway (EG/Mediator integration)
- New gateway UI
- API Plans & Subscription
- REST Enhancements

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AGILE PROCESS & OPERATIONAL INTELLIGENCE
ROADMAP

Unified Structured & Unstructured Processing

Visual Data Exploration / Visualization

Dynamic Business Orchestrator

Web based Task Design

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LIFT AND SHIFT TO THE CLOUD USING DOCKER AND MICRO SERVICES ARCHITECTURE

- Lift and Shift existing wM IS packages to the integration cloud using Docker
  - Support multiple IS, JVM versions
  - Expose flow services and other assets for easy consumption in native Integration Cloud flows
  - Easy scaling of Docker instances
  - Use of on-premises resources via VPN
- Docker repository in the cloud
- Support for adapters like JDBC, SAP, EDI
- Cloud Friendly Enhancements to file handling and logging
B2B CLOUD APPLICATION
OUT OF THE BOX APPS FOR PARTNER ENABLEMENT

• B2B Cloud Application for partner integration
• Built on top of AgileApps Cloud
  ▪ Wizard based partner registration and self-service
  ▪ Transaction visibility for cloud application tenant and its partners
  ▪ Support to create mobile apps, web forms and email channels
• Out of the box integration with on-premises wM Trading Network infrastructure
UNIFIED API GATEWAY
CLOUD + ON-PREMISES DEPLOYMENT

• Support standalone gateway through simplified user interface
• DMZ friendly deployment
  - DMZ Security
  - Application Security
  - Mediation
  - SLA, Monitoring at the edge of the network
• Multiple form factors:- Software and Soft Appliance
• Multiple Variants:- Enterprise Gateway & API Gateway (for different use-cases)
• Cloud Friendly Architecture
UNIFIED STRUCTURED & UNSTRUCTURED PROCESSING
AGILE PROCESS & PROCESS INTELLIGENCE

Unified Agile work bench for case, task and process

Unified Monitoring

Call a case from a process

Call a process from case

Unstructured Exception Management

Investigative & Dynamic Management
UNIFIED FOUNDATION TO GET THERE

Runtime
- Communication between Process Engine, Agile Apps, Task Engine via UM
- Common Process, Task and Case engines

Architecture
- Common authorization model for AgileApps & MWS
- Common repository
- Common deployment
DYNAMIC EXECUTION AND DYNAMIC OUTCOMES
ROBUST AND FLEXIBLE

1. DESIGN SIMPLICITY
   • Designer based tooling (process templates)
   • API based design
   • Better semantics

2. DYNAMIC RUNTIME
   • Allows dynamic step injection
     • Pause – Fast forward, rewind a running instance
     • Dynamic process injection
     • Clustered and reduced overhead

3. IMPROVED MONITORING
   • Monitoring in BC - Integrated process analytics
   • Free form text search
   • Dynamic controls for process instance
EVENT-BASED PROCESS ANALYSIS
VISUAL DATA EXPLORATION

Collect events that meet criteria

Search, create KPIs, do filtered dimension analysis

Emit alerts, kick off processes, share dashboards

Provide measures and dimensions of interest

Analyze events to understand process behavior

Take action to correct problems