Understanding and Leveraging Improvements in SAP Data Integration and Data Services Platform 4.2

Tanya Milanovic
Learning Points

- Understand data integration improvements from DS 3.2 to 4.2 through aspects of leverage:
  - Enterprise class
  - Unlocking value of BIG DATA
  - Faster & easier
Enterprise Information Management with SAP

- Understand the big picture of SAP’s enterprise information management offerings
- Explore step-by-step instructions for working with SAP Data Services
- Learn how to perform the most important tasks in SAP Information Steward, SAP NetWeaver Information Lifecycle Management, SAP Master Data Governance, and more
- All royalties donated to Doctors Without Borders

Reviews are in!

READ THIS ITS EXCELLENT 🌟🌟🌟🌟🌟
Posted by Anonymous on Dec 16th, 2012
From start to end this book gives you complete detail information about EIM

Very good book about EIM and Data Services 🌟🌟🌟🌟🌟
Posted by Anonymous on Nov 26th, 2012
This book has all information about EIM, manage data quality, migration process and a good overview about SAP HANA.

A consistent Top 10 Best-seller with SAP Press!
DS 4.0

Enterprise class

- Improved security in architecture and user management through tight integration with SAP BusinessObjects Enterprise (BI)

- Centralized monitoring through Solution Manager integration
Enhanced security of ABAP function modules

New locations for user-specific and common configuration files and logs – Windows UAC and Citrix

Supportability

- Changed monitor sampling rate
- Improved monitor log
- Further Solution Manager integration
Data Services 4.2 Job Lifecycle Management: secure and controlled centralized object promotion
DS 4.0 Unlocking value of BIG DATA

- SAP HANA
- Extractors

- Faster reading from and writing to BW through RFC server parallel processing
- BW 7.3 staging BAPI support and better Unicode support
- Exploit unstructured data: Text Data Processing
- Teradata Fast Export (fast extraction)
- Synonym support (Oracle, DB2)
- Webservice Datastore Configurations
Unlocking value of BIG DATA

- SAP HANA, SAP Sybase IQ, Teradata
- Hadoop support

- New RFC method - streaming
- Parallel reading from extractors
- Support for load balancing in SAP datastores
- Text Data Processing for binary sources (PDF, DOC)
DS 4.2 Unlocking value of BIG DATA

- SAP HANA extreme pushdown

- Tap into social media with enhanced Adapter SDK

- 5000 + Extractors and RFC_READ_TABLE can be partitioned

- Text Data Processing – one transform for all languages
Unlocking value of BIG DATA

- Real-time Data Integration for movement of BIG DATA
  - Log based via Sybase Replication Server
**Unlocking value of BIG DATA**

- Trigger based via SAP LT Replication Server
DS 4.0

Faster & Easier

- Query transform
- Validation Transform
DS 4.1

Faster & Easier

- Data Services Workbench 1.0
- XML_Map Transform

- Design-Time Data Viewer
Faster & Easier

- Data Services Workbench 2.0
  - Flat file support, multiple sources & parallel data flows
  - New Data Flow Editor and productivity tools
DS 4.2
Faster & Easier

- Expression Macros and Basic Cleanse

- Analyze data flow lineage and transform metadata
## DS 4.2

**Faster & Easier**

### Database Type / App

<table>
<thead>
<tr>
<th>Database Type / App</th>
<th>DSW 4.2</th>
<th>DSW 4.1 SP1</th>
<th>DSW 4.1</th>
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<tr>
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</table>

### Filter pattern

- **Annotation**
- **Readers**
  - Table reader
  - File reader
- **Loaders**
  - Table loader
  - Template table
  - File loader
- **Platform**
  - Query
  - Case
  - Merge
  - Map Operation
  - Row Generation
  - SQL
  - Basic cleanse
- **Data Integrator**
  - Date Generation
  - Effective Date

ASUG SAP BusinessObjects

USER CONFERENCE
Enhanced Map_Operation Transform

- Before and now

- before_image():
  i.e. Slowly Changing Dimensions Type 3: - table has a current and a previous column for each attribute
Faster & Easier

- Enhanced XML_Map Transform: batch mode
Enterprise class:
- Job Lifecycle Management – controlled and secure object promotion

Unlocking value of BIG DATA:
- SAP HANA extreme pushdown – data flow as calc view
- Enhanced Adapter SDK – connect to social media
- Real-time data integration – support for real-time big data movement
- SAP Interface enhancements – extractors and RFC_TABLE_READ
- Text data improvements – language detection

Faster & easier:
- Data Services Workbench 2.0 – efficient simple data integration
- Map_Operation – complex operation on non-normal rows
- XML_Map - batch mode
Learning Points

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10 October 2013, Atlanta, Georgia
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