Migrate your data fast and easily
Rapid Data Migration: Go Live With Clean, Valid Data
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Frank Densborn, SAP Labs
Content

- Evolution of SAP Rapid Deployment Solutions (RDS)
- Rapid Data Migration Packages
Evolution of SAP Rapid Deployment Solutions (RDS)
Evolution of Packaging and SAP Rapid Deployment Solutions

- **2002**: SAP Business All-in-One
- **2006**: First SAP Rapid Deployment Solutions
- **2010**: New solution deployments, cloud integration & migration
- **2013**:
# SAP Rapid Deployment Solutions

## Best Practices for Faster Adoption

### Cloud

<table>
<thead>
<tr>
<th>SOFTWARE</th>
<th>BEST PRACTICES</th>
<th>SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cloud, On-Premise &amp; Hybrid</td>
<td>Content embedding best business practices</td>
<td>Methodology developed for fast time to value</td>
</tr>
<tr>
<td></td>
<td>Proven &amp; tested configuration</td>
<td><strong>Services</strong> to deliver:</td>
</tr>
<tr>
<td></td>
<td>Implementation content &amp; guides</td>
<td>- Predefined scope</td>
</tr>
<tr>
<td></td>
<td><strong>Tools &amp; methods</strong></td>
<td>- Predictable cost &amp; outcomes</td>
</tr>
<tr>
<td></td>
<td>Supporting best implementation practices</td>
<td>- Lower risk</td>
</tr>
<tr>
<td></td>
<td>Flexible pick &amp; choose scenarios</td>
<td></td>
</tr>
</tbody>
</table>

### On-Premise

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Accelerating Time to Value at a Lower Cost

**Designed-to-Order**
Traditional implementation approach

- Project Prep
- Blueprint
- Realization
- Test & Go Live

**Assemble-to-Order**
New solution deployment – Migration – Integration
On-Premise or In the Cloud

- Project Prep
- Realization
- Test & Go Live

**Cloud Deployment**
For migration and new solution deployment

Significant Savings in project time and cost
SAP Rapid Data Migration
Approach Combines Technology and Best Practices
SAP Data Migration Software with Rapid-Deployment Solutions

SAP RAPID DATA MIGRATION

1. ANALYSIS
2. EXTRACT
3. CLEAN
4. VALIDATE
5. LOAD
6. RECONCILE

Governance and Visualization

SAP Data Migration gives you what you need: A solution you can trust
Easy to use data migration solution to reduce project risks and speed implementation

- Reusable Tools for Ongoing Data Governance
- Pre-Defined Content and Rules
- SAP and Partner Services
What You Get with SAP’s Data Migration Solution

- Reusable Tools for Ongoing Data Governance
  - SAP Data Services
  - SAP BI platform

- Pre-Defined Content and Rules
  - Migration content, reports, and migration services based on best practices

- SAP and Partner Services
  - Pre-built implementation services
SAP Rapid Data Migration Solution – Architecture

Legacy Data Environment
- Flat Files/Excel
- Databases
- Applications
- XML

Data Staging and Test Environment
- Extract & Profile
  - Name Parsing
  - Address Parsing & Correction
  - Material/Product Parsing
  - Matching
- Cleanse
- Transform
  - Transform Data into SAP structure
- Validate & Load
  - Pre-Built load routines for SAP Objects
  - Business Validation Rules
  - Automatic SAP Config Validation
- Staging Area
- Performance Analysis
- Dashboards and Business Reporting
- SAP BusinessObjects Data Services Platform

Loading
- Files
- IDocs
- SAP Configuration Extraction

Target Environment
- SAP Business Suite powered by HANA

Reconciliation
- Transparency, Communication and Governance,
RDS Content for Data Migration
Migration content provided in SAP Data Services & SAP BI platform

Predefined Migration Content delivered for Data Services

- **Data validation content** enables mapping of legacy data to SAP data, including validation of key values. Content for ERP, CRM, Utilities and Banking Industry are available:
  - Rapid data migration overview: [http://service.sap.com/bp-datamigration](http://service.sap.com/bp-datamigration)
  - Rapid data migration to HANA: [http://service.sap.com/rds-dm2erpcrm](http://service.sap.com/rds-dm2erpcrm)
  - Rapid data migration to ERP/CRM: [http://service.sap.com/rds-dm2erpcrm](http://service.sap.com/rds-dm2erpcrm)
  - Rapid data migration to Utilities: [http://service.sap.com/rds-dm2u](http://service.sap.com/rds-dm2u)
  - Rapid data migration to Banking: [http://service.sap.com/rds-dm4lm](http://service.sap.com/rds-dm4lm)
  - Rapid data migration to Cloud: [http://service.sap.com/rds-dm2cloud](http://service.sap.com/rds-dm2cloud)

Documentation

- **Quick Guide** on how to installing the content.
- **Business Process Document** for Data Migration is a process guide that provides a process flow and the sequence in which the objects need to be loaded.
- **Extension Guide** provides the information you need to extend and modify the content according to your specific needs.
Data analysis and profiling analyzes data content, quality, structure and relationships

Analysis of data beyond viewing
- Frequency distribution
- Distinct values
- Null values
- Minimum/Maximum values
- Data Patterns (e.g. Xxx Xxxx99, 99-Xxx)

Comparison of values between data sets to determine fit

Can drill down to view specific records
Data cleansing to ensure the right data gets migrated

### Data Input

**ORIG_PRODUCT**
- 10-year $100,000 CD with a 7.10% interest rate
- Two-year CD 6.55% rate $50K minimum deposit Imperial
- CD at 5.25% and six months $50K @ Washington Mutual
- WAMU 4.25% on five-year CDs $100,000 minimum deposit
- Alliance Bank 4 yr jumbo CD $100,000 minimum deposit $10K min. dep. 5.55% for 1 month CD
- Security Savings Bank 5.51% APY for 2.5 yr jumbo CD
- 3 MONTH $25K CD 5.36% APY DANE COUNTY C.U.
- 5.40% 3 MONTH $50K CD RIVER CITY COMMUNITY
- $10,000 min. deposit 2.5 yr jumbo CD 5.48% Amtrustd 6.55% for 3 month CD $10,000 min. deposit
- Countrywide Bank $50000 min. deposit 3-month CD 5
- 10 month CDs $10,000 min. deposit 5.51% APY
- 5.36% 4 yr jumbo CD $100,000 minimum deposit
- 1 month CD $10,000 min. deposit 5.67% APY 1st National
- 5.48% for 2.5 yr jumbo CD $100,000 minimum deposit 1
- High Yield Rates 5.67% for 3 month @ Independence
- 3 month $50K CD 5.48% Stearns Bank

### Standardized Output

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>TERM</th>
<th>PRODUCT</th>
<th>YIELD</th>
<th>MIN_DEPOSIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;Blank&gt;</td>
<td>10 Yr.</td>
<td>CD</td>
<td>7.10%</td>
<td>$100,000</td>
</tr>
<tr>
<td>Imperial Capital Bank</td>
<td>2 Yr.</td>
<td>CD</td>
<td>6.55%</td>
<td>$50,000</td>
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<tr>
<td>Washington Mutual</td>
<td>6 Months</td>
<td>CD</td>
<td>5.25%</td>
<td>$50,000</td>
</tr>
<tr>
<td>Washington Mutual</td>
<td>5 Yr.</td>
<td>CD</td>
<td>4.25%</td>
<td>$100,000</td>
</tr>
<tr>
<td>Alliance Bank</td>
<td>4 Yr.</td>
<td>Jumbo CD</td>
<td>5.55%</td>
<td>$100,000</td>
</tr>
<tr>
<td>Security Savings Bank</td>
<td>1 Month</td>
<td>CD</td>
<td>5.55%</td>
<td>$10,000</td>
</tr>
<tr>
<td>Dane County Credit Union</td>
<td>3 Month</td>
<td>CD</td>
<td>5.36%</td>
<td>$25,000</td>
</tr>
<tr>
<td>River City Community Credit Union</td>
<td>3 Month</td>
<td>CD</td>
<td>5.40%</td>
<td>$50,000</td>
</tr>
<tr>
<td>AmTrustDirect.com</td>
<td>2.5 Yr.</td>
<td>Jumbo CD</td>
<td>5.48%</td>
<td>$10,000</td>
</tr>
<tr>
<td>&lt;Blank&gt;</td>
<td>3 Month</td>
<td>CD</td>
<td>6.55%</td>
<td>$10,000</td>
</tr>
<tr>
<td>Countrywide Bank</td>
<td>3 Month</td>
<td>CD</td>
<td>5.40%</td>
<td>$50,000</td>
</tr>
<tr>
<td>&lt;Blank&gt;</td>
<td>10 Month</td>
<td>CD</td>
<td>5.51%</td>
<td>$10,000</td>
</tr>
<tr>
<td>&lt;Blank&gt;</td>
<td>4 Yr.</td>
<td>Jumbo CD</td>
<td>5.36%</td>
<td>$100,000</td>
</tr>
<tr>
<td>1st National</td>
<td>1 Month</td>
<td>CD</td>
<td>5.87%</td>
<td>$10,000</td>
</tr>
<tr>
<td>1st National</td>
<td>2.5 Yr.</td>
<td>Jumbo CD</td>
<td>5.48%</td>
<td>$100,000</td>
</tr>
<tr>
<td>Independence Bank</td>
<td>3 Month</td>
<td>CD</td>
<td>5.67%</td>
<td>$25,000</td>
</tr>
</tbody>
</table>
Data validation from source data to target data structures

- Example of specific data validation for customer basic data. Validation includes lookup, mandatory fields, and formatting validation.

- Migration content includes extraction of check tables from the SAP target system for the value mapping.
Efficient loading of cleansed and validated source data to target system

Standard SAP NetWeaver loading mechanisms are used to load data into SAP target systems.
Reconcile to ensure the data was loaded correctly and completely

- Out-of-the-box reports to compare source and target data after the loading.
- Detailed reconciliation reports showing which records and fields have failed to reconcile between the staging area and the target SAP application.
Visualization the status of the data migration

- Visualization shows the status for the migration, providing:
  - Summary of records loaded
  - Details on success and failure of each record
  - Ability to go from summary to details of which fields failed

- Visualization enables process transparency
- Governance metrics start with the data migration metrics
Where to Find More Information

Data Migration overview
• http://tinyurl.com/rapiddatamigration

Data Migration on service marketplace
• http://service.sap.com/bp-datamigration *

Blogs on data migration
• http://www.youtube.com/watch?v=jHbBxtLR98c

Data Services on SDN
• www.sdn.sap.com/irj/SDN/im

* Requires login credentials to the SAP Service Marketplace
Thank you!

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