Thomson Reuters

DMAG® Technical walkthrough
Dec 8, 2021

Data Masking & System Refresh

DMAG Features	Functionalities
1 **Data Dialysis, Cleansing, Audit and ongoing Enrichment & Corrections**	An audit report for all the master data inconsistencies is generated based on custom client specific business & SAP Standard rules. Business Rules are maintained and executed to govern the master data on-going. The inconsistences are cleansed and corrected automatically.
2 **Data Migration, Transformation, and Conversion for Greenfield S/4 HANA implementation**	Data is migrated and converted from various source legacy systems such as Quick Books, Spreadsheets, Oracle, Microsoft, Great Plains, ECC & R/3 and transformed, mapped and converted into S/4 HANA format and load it rapidly into S/4 HANA target system for faster, business ready, and smooth go-live
3 **Data Carve Outs / Data Extractions for Mergers/ Divestitures/Acquisitions**	Data is carved out and sectioned into multiple SAP landscapes incase of divestures, and merged/consolidated from multiple ECC or S/4 HANA instances incase of mergers and acquisitions
4 **Data Archiving & Restore**	Allows huge lakes of unproductive data to be extracted and archived in a separate server for easy retrieval and display as needed including storage on DB2/ ZOS systems. It will provide compelling value of optimizing expensive HANA SAP resources. Data is archived using a patented technology and displayed as needed.
5 **System Refresh & Masking**	Automates client refresh and designated data copies from Production to Quality, Sandbox and Dev systems and Vice versa with Zero Down Time. SAP client and system refresh solution with zero down time during the system refresh process vs. 2-3 days for down time using the SAP standard functionality. Mask sensitive Data Elements post refresh such as Employee, BP, Material & Vendor
6 **Master Data Management (MDM) & Governance**	Allows external parties or internal team to maintain Customer / Vendor / Material/ other masters captured through web forms and populating SAP or S/4 HANA database including validations, duplication checks, & workflow and approvals for creation, maintenance and changes.

HANEYA®

DMAG™

Certificate
SAP INTEGRATION CERTIFICATION

SAP SE hereby confirms that the interface software for the product **HANEYA 5.0** of the company **VisionSoft Inc.** has been certified for deployment on SAP S/4HANA 2020 via the SAP integration scenario **ABAP Add-On Deployment for SAP S/4HANA.**

This certificate confirms the technical compliance of **HANEYA 5.0** with SAP certification procedures.

The certification test is documented in report no. **16566** and expires on **November 07, 2024.**

SAP Test System: SAP S/4HANA 2020

The certification is listed on the SAP Certified Solutions Directory: sap.com/csd.

Certified Functions:

    Assign Software Component and Namespace
    Package Add-On using SAP Add-On Assembly Kit
    Deploy using SAP Add-On Installation Tool (SAINT)
    Integration with SAP S/4HANA
    Technical Uninstallation Test
    SAP Solution Manager Ready functionality
    Compatible with SAP S/4HANA Cloud, private edition
    Works with RISE with SAP

Prashanth Kalur
Bangalore, November 08, 2021

SAP® Certified
Integration with SAP S/4HANA®

THE BEST RUN **SAP**

SAP certification focuses on technical integration with SAP solutions. Vendor is responsible for the product itself, its error-free operation, and adherence to applicable laws.

Certificate
SAP INTEGRATION CERTIFICATION

SAP SE hereby confirms that the interface software for the product **DMAG 2.0** of the company **Visionsoft Inc.** has been certified for deployment on SAP S/4HANA 2020 via the SAP integration scenario **ABAP Add-On Deployment for SAP S/4HANA.**

This certificate confirms the technical compliance of **DMAG 2.0** with SAP certification procedures.

The certification test is documented in report no. **19683** and expires on **November 25, 2024.**

SAP Test System: SAP S/4HANA 2020
Used Integration Tools: SAP Java Connector

The certification is listed on the SAP Certified Solutions Directory: sap.com/csd.

Certified Functions:

    Assign Software Component and Namespace
    Package Add-On using SAP Add-On Assembly Kit
    Deploy using SAP Add-On Installation Tool (SAINT)
    Integration with SAP S/4HANA
    Technical Uninstallation Test
    SAP Solution Manager Ready functionality
    Compatible with SAP S/4HANA Cloud, private edition
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Prashanth Kalur
Bangalore, November 26, 2021

SAP® Certified
Integration with SAP S/4HANA®

THE BEST RUN **SAP**

SAP certification focuses on technical integration with SAP solutions. Vendor is responsible for the product itself, its error-free operation, and adherence to applicable laws.

System Refresh and Masking

1. **Pilot Objectives and KPIs**

Set of Sales Data (Configuration, Master and Transactions) refreshed and masked

      i.   Full Loads
      ii. Delta Loads for exceptions and for an Adhoc time period.
      iii. Full refresh is completed in 8-10 hours
      iv. SAP system refresh Sandbox and DEV from QA
      v. Zero Down Time for the target and source systems

2. **Project Objectives and KPIs**

All ECC Data (Configuration, Master and Transactions) refreshed and masked

      i.   Full Loads
      ii. Delta Loads for exceptions and for an Adhoc time period.
      iii. Full refresh is completed in 8-10 hours
      iv. SAP system refresh DEV and QA from PRD
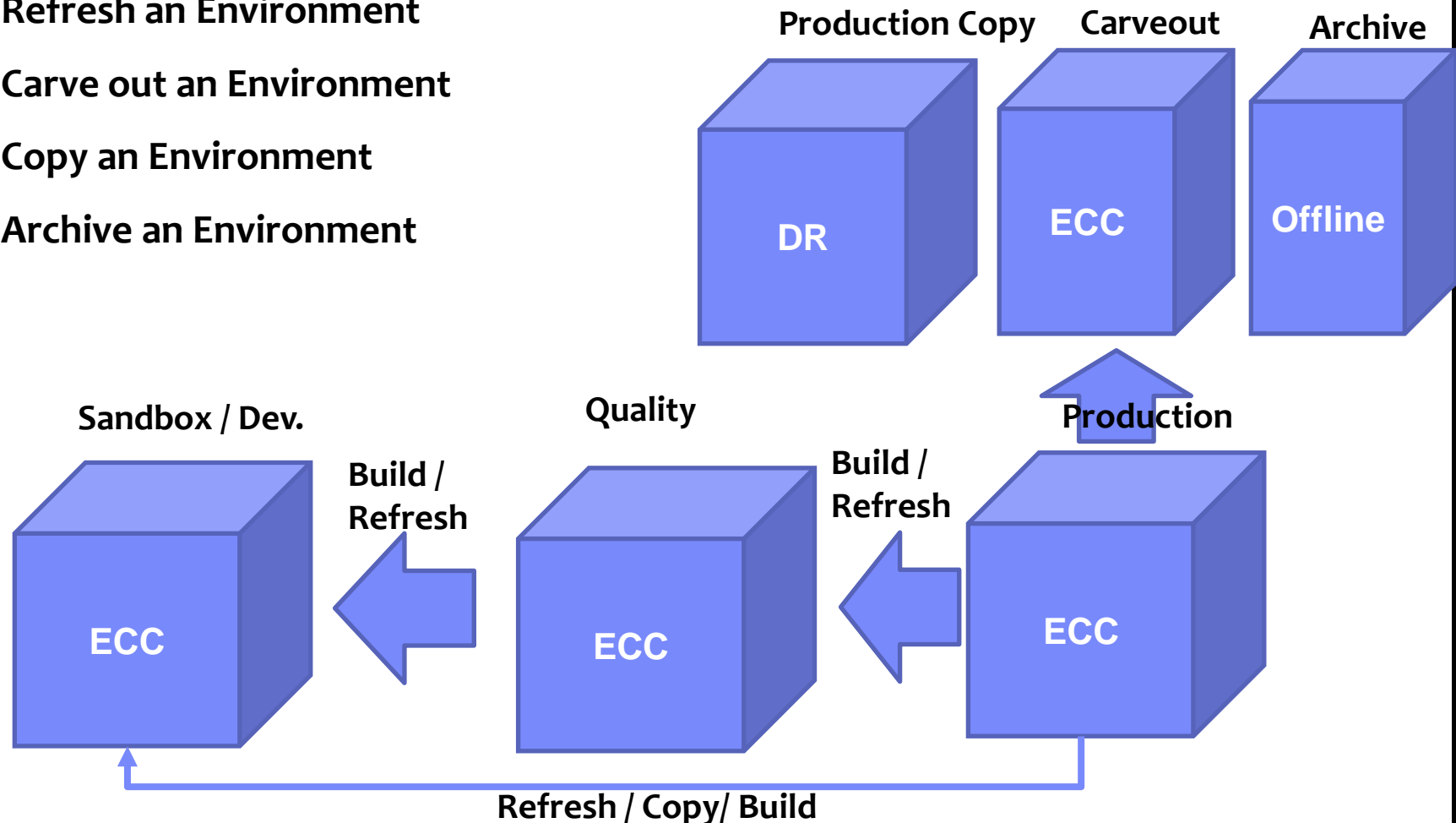   v. Zero Down Time for the target and source systems

TR will provide the following materials to VisionSoft to perform the above mentioned services:

- **Access to SAP ECC System**

- **Access to other systems and tools as demanded by the project needs**

VisionSoft Transformation Simplified

Below are Environment / Deployment capabilities of DMAG:

System Refresh / Build with Zero Down Time (ZDT)

1) **Build an Environment**

2) **Refresh an Environment**

3) **Carve out an Environment**

4) **Copy an Environment**

5) **Archive an Environment**

Production Copy

Carveout

Archive

DR

ECC

Offline

Sandbox / Dev.

Quality

Production

ECC

Build / Refresh
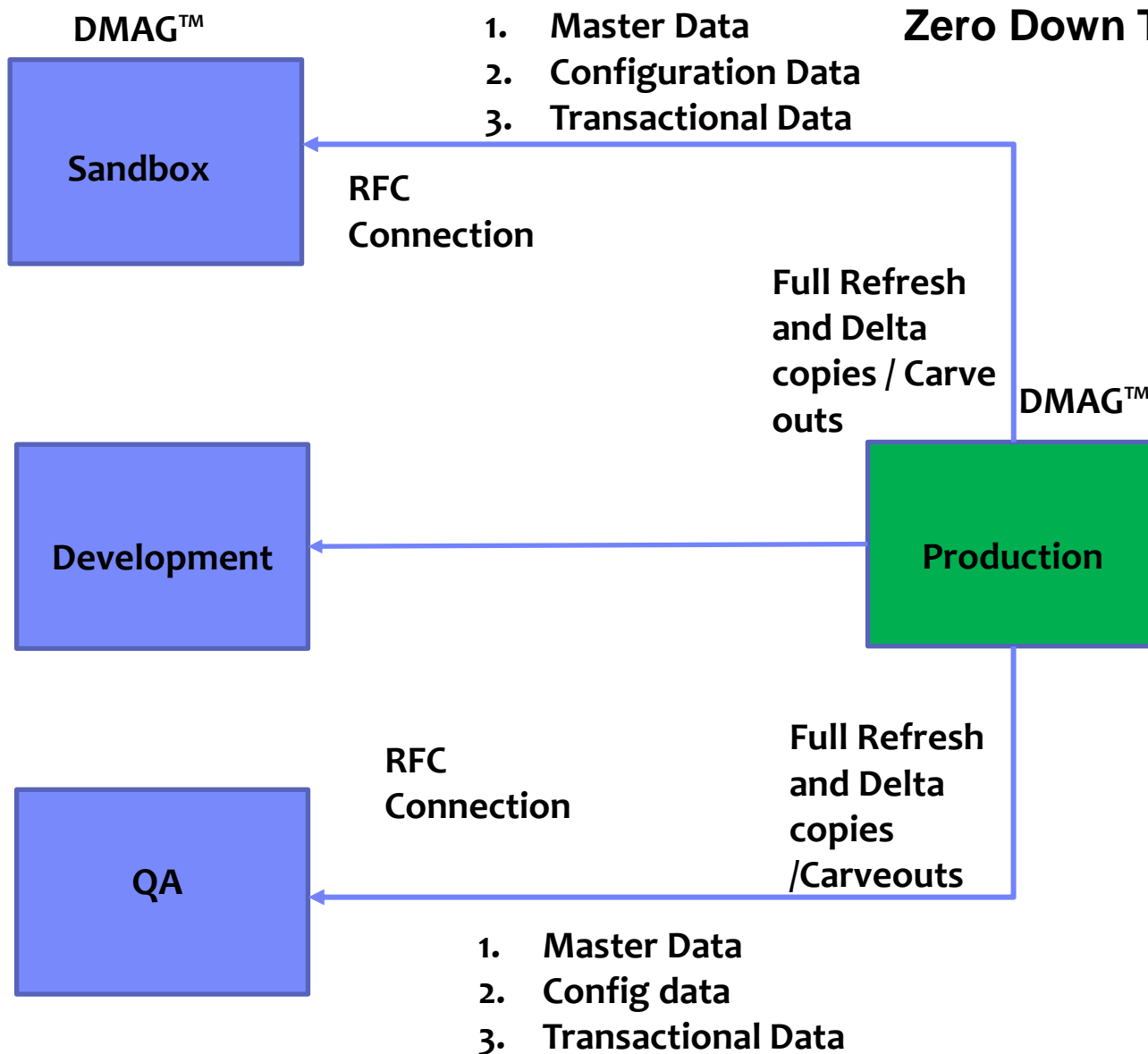
ECC

Build / Refresh

ECC

Refresh / Copy/ Build

DMAG Installation Process

1. Call SAP transaction SAINT to upload DMAG PAT File from the file system.
2. Select Add-On VSDMAG and run the installation process.
3. Import Add-On DMAG package in TR SAP ECC environment.
4. Call SAP Transaction SPAM and install Support Packs of DMAG
5. Set up RFC connection between the Source system and the Target System for the refresh.

DMAG System Refresh Execution Process

1. Automate the System Configuration refresh
2. Automate the Master Data refresh
3. Automate the Transaction refresh
4. Automate the validations and raise any exceptions
5. Conduct delta refreshes for exceptions
6. Automate masking of sensitive data elements post refresh

DMAG™ - System Refresh

DMAG™

```
┌──────────────┐
│              │
│   Sandbox    │
│              │
└──────────────┘
```

1. Master Data
2. Configuration Data
3. Transactional Data

RFC Connection

Full Refresh and Delta copies / Carve outs

DMAG™

```
┌──────────────┐
│              │
│ Development  │
│              │
└──────────────┘
```

```
┌──────────────┐
│              │
│  Production  │
│              │
└──────────────┘
```

RFC Connection

Full Refresh and Delta copies /Carveouts

```
┌──────────────┐
│              │
│     QA       │
│              │
└──────────────┘
```

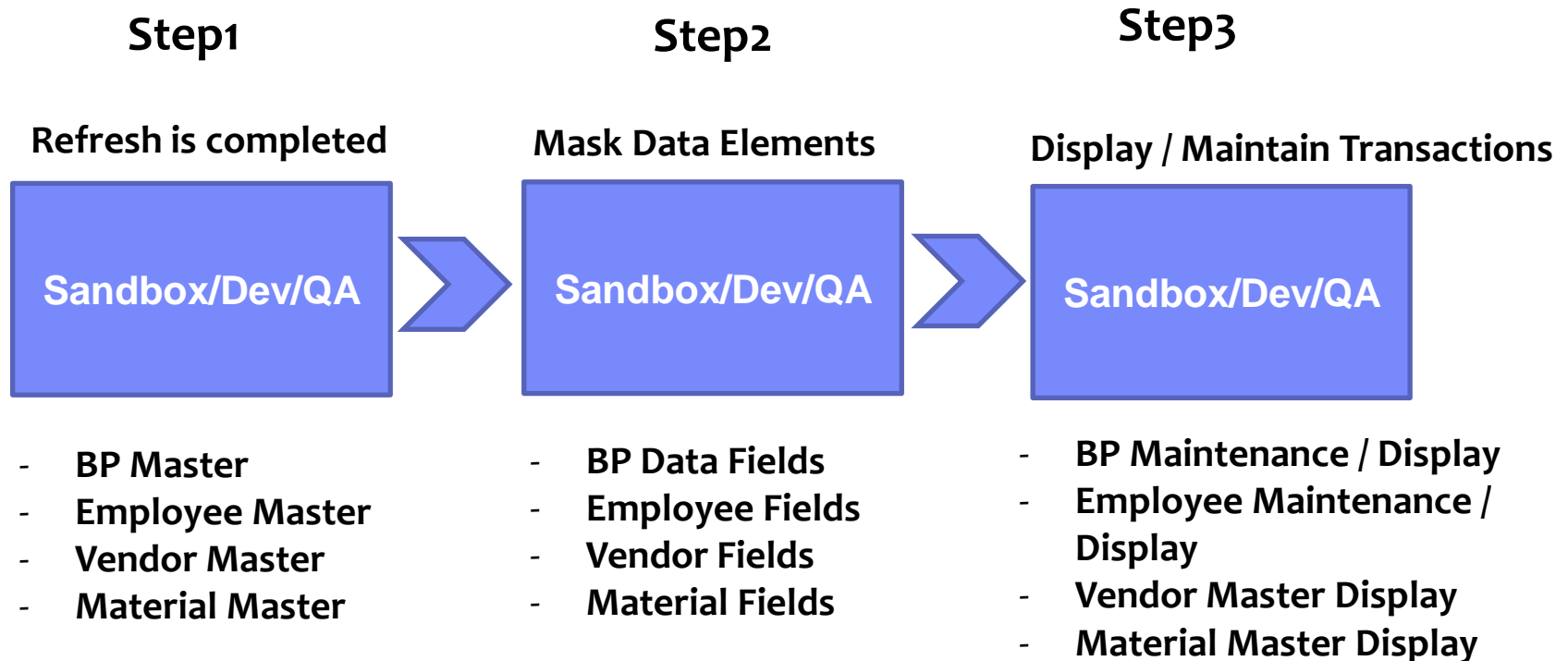1. Master Data
2. Config data
3. Transactional Data

Zero Down Time (ZDT) - Solution

1. ~Zero Down Time
2. Speed to Refresh
3. Reduces time and effort by 60%
4. No impact on Business
5. Error logging & processing
6. Contingency incase – Bi-directional
7. Post refresh, DMAG automatically masks sensitive Data Elements

Data Carve out by Type of data, by Data Object, by Biz Process and by Transaction group

Data Masking capabilities of DMAG:

- Mask Sensitive data in Business Partner (BP), Employee, Vendor, Material masters and other transactions
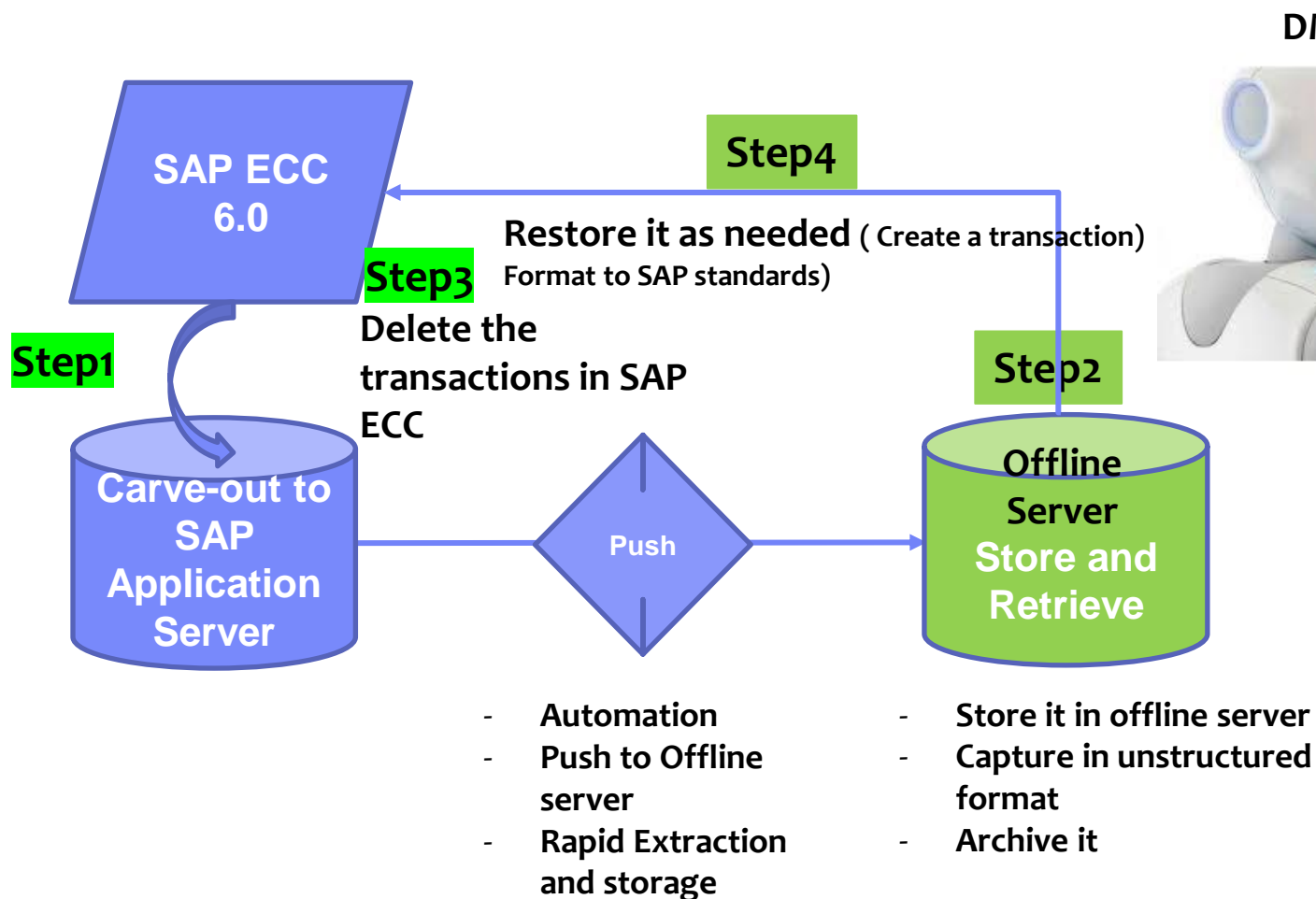
Step1	Step2	Step3
Refresh is completed	**Mask Data Elements**	**Display / Maintain Transactions**
Sandbox/Dev/QA	**Sandbox/Dev/QA**	**Sandbox/Dev/QA**

- BP Master	- BP Data Fields	- BP Maintenance / Display
- Employee Master	- Employee Fields	- Employee Maintenance / Display
- Vendor Master	- Vendor Fields	- Vendor Master Display
- Material Master	- Material Fields	- Material Master Display

DMAG™

Appendix

DMAG™ – Data Carve Out & Archiving Solution

DMAG ™

SAP ECC 6.0

Step4

Restore it as needed (Create a transaction) Format to SAP standards)

Step3

Delete the transactions in SAP ECC

Step1

Carve-out to SAP Application Server

Push

Step2

Offline Server Store and Retrieve

- Automation
- Push to Offline server
- Rapid Extraction and storage

- Store it in offline server
- Capture in unstructured format
- Archive it

DMAG™ Value is demonstrated beyond MDM and Cleansing

Functionality	Value
1. System Refresh	▪ Scalable Data Archiving solution with 1/2 of the storage cost
2. Data Archiving	▪ On-Demand Data Archiving Solution
3. Data Cleansing	▪ Zero DOWN time during the system refresh
4. Data Audits and Diagnosis	▪ 1/3 of the implementation cost with speed to delivery and high quality
5. Web Interface for Data Capture (Customer, Vendor, Material, etc)	▪ Data retained outside of SAP on an offline server and retrieved as needed – 50% reduction in data
6. Proactive Data Validations & Work Flow Approvals	▪ Data Carve outs for Non-Productive data
	▪ 100% Error Free Data and Secure Capture
7. Supports mapping, transformation & conversion while migrating from ECC or Non-SAP systems to S/4 HANA	▪ Reliable and Scalable solution for additional Scenarios
	▪ High quality Product Information Management (PIM)
8. Data Inconsistencies report during migration between source and target S/4 HANA systems	▪ The effort and timeline reduced by HALF – Upto 50% overall effort reduction
	▪ Speed to Master Data Implementation by 50 - 60%
9. Ongoing Data Quality Metrics & Data Governance Framework	▪ Optimizes Master Data Stewarts FTE – ON GOING - 60% FTE Synergy Savings