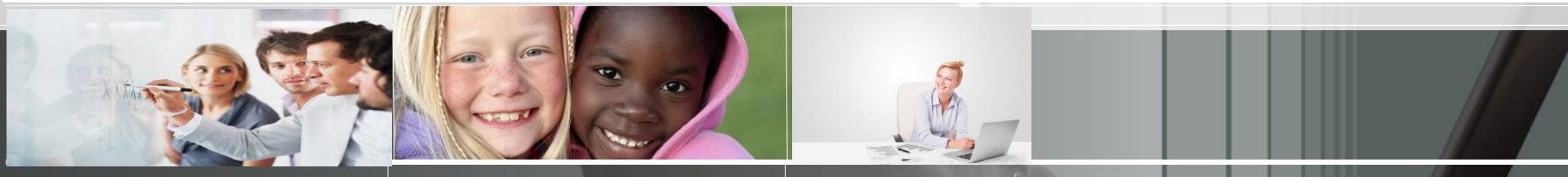


DMAG® 4 Robotic Data Management

Feb 2, 2023



Master Data Management, Data Conversion, Carve outs, Masking & System Refresh

Visionsoft is an SAP Products and Services company. It is exemplified by its SAP strength with complimentary services in Master Data, Salesforce, e-Commerce, Microsoft, GRC & Digitization

- ✓ Visionsoft has been in business for over 13+ years. Company has SAP certified Products for migrations / upgrades from ECC (X) to S/4 HANA or HANA (X) to S/4 HANA and Non-SAP to S/4 HANA, Data Management, Analytics and Commerce solutions.
- ✓ Visionsoft executes S/4 HANA Projects, AMS & related services in the SAP, Salesforce and Ecommerce space. Focus is on SAP, BI/ BOBJ, Vistex, IBP, SuccessFactors, PLM, Salesforce, e-Commerce, Digitization, S/4 HANA, GRC, Managed Services, and Management Consulting.
- ✓ Private Company with offices in Princeton, NJ, Dover, NH, Ashburn, VA, Toronto, CA and globally in India (Ahmedabad, Hyderabad, Pune and Bangalore) , UK, and Latin America
- ✓ Company Size : 200 + Strong Team
- ✓ SAP Gold Partner in Service, Build and Re-Sell, Salesforce Implementation Partner, Microsoft Powerapps Partner, and Oracle Gold Partner.
- ✓ Ranked among top 50 most admired companies in 2018 by Silicon Review
- ✓ Top 10 SAP Solution Providers by CIO Outlook and Top100 Tech Companies by Silicon India

Visionsoft Competency (COE) & Offshore Delivery Centers

Provide technical solution support for various Applications, Technology/ Solutions Development, Offshore and Onsite client delivery

Toronto, Canada



Area

Role of the CoE & Delivery Center

Enablement

- Deliver the client projects
- Provide technical content for client enablement
- Adapt and promote Visionsoft technology in SAP, Salesforce & Oracle environments
- Develop, implement and promote Visionsoft technology solutions with Salesforce, SAP and Oracle

Technology

- Influence Salesforce, SAP and Oracle development to adopt new Visionsoft technologies
- Assess new SAP, Salesforce, and Oracle technologies and the impact on Visionsoft platforms
- Lead Visionsoft/SAP/Salesforce Co-Innovation projects

Princeton, Ashburn & Dover, USA

Reading, UK



Solution sizing

- Perform and support sizing tests and benchmarks
- Develop and update solution sizing guidelines
- Train & support our team in various technologies solution sizing
- Develop and maintain sizing tools

Customer focus

- Organize and participate in customer briefings and presentations
- Consult Visionsoft competency teams in solution selling
- Support complex configurations (first-of-a-kind, pilot, ramp-up)
- Participate in key SAP and Salesforce events such as FKOM, TechEd & Dreamforce with technical demos and presentations

Training

- Develop solution education for client teams
- Support Project team through Q&A: Wiki & Others
- Help with escalations

Hyderabad, Pune, BLR & AHD, India

We are an authorized SAP® S/4 HANA, Data Management, Analytics, GRC & SuccessFactors Services Implementer



*"Automates S/4 HANA Migration,
Cutting Migrations Costs In Half!"*



High Quality Data Management, Data
Archiving/Carve Outs & Data Governance @
1/3 of the Cost



Global Trade Services (GTS)

Integrated business planning (IBP)

SAP SuccessFactors 



Leading provider of
Salesforce solution
delivery, Managed
services and Support
@ 1/3 of the Cost



SPEED TO DELIVERY @ 1/3 OF THE COST

VCommerce™ Powered by SAP Hybris & Digital Commerce
for web ordering & omni channel solutions

HANELytics®

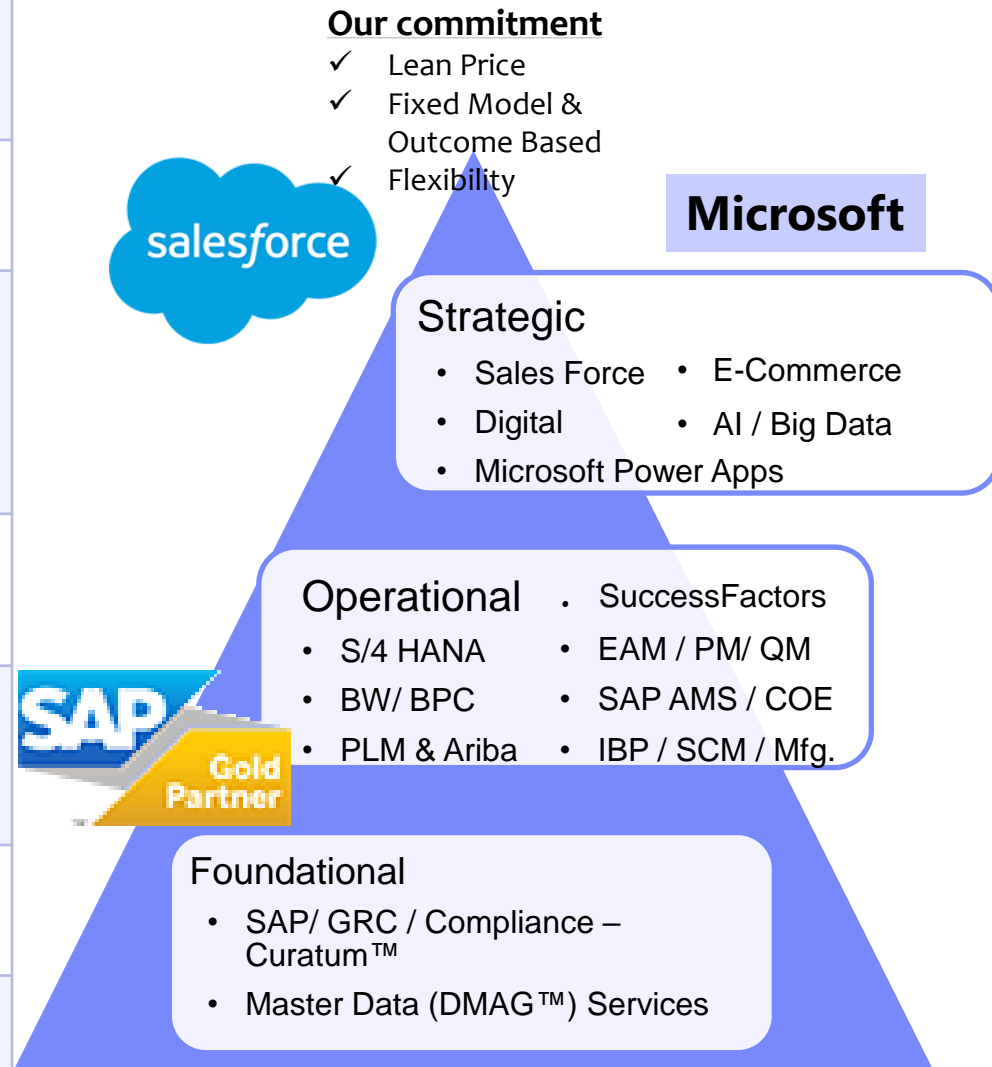
Big Data Computing and Drives Predictive Insights of
your Business in Real Time @ 50% Storage Costs

Digitization of an Enterprise, Mobile computing, PowerApps and
shifting people from sheer transactions to building Intelligent
Enterprise with our Microsoft Solutions



*Visionsoft an **SAP Products and Services** company has been in the business for 12+ years with focus on SAP, S/4 HANA, Vistex, Salesforce, e-Commerce, GRC, Managed Services, Digitization and Consulting.*

Solution Offerings	SAP Services, Vistex, Salesforce, E-Commerce (Hybris), GRC/ Compliance Mgmt. Solutions, Master Data Services, Consulting & IT Managed Services
Domain	Pharma, CPG, Retail, Food , Distribution, Manufacturing, Healthcare, & Lifesciences and Industrial
Key Clients	J&J, BMS, St. Gobain, Terumo Medicals, AB Mauri, Analogic, Dangote, RAI, Macmillan, PCF(Publishers Circulation Fulfillment), WCS, Walmart, CommScope, FreshDirect, Eco Store Retail, Hetero Drugs, Hetero Healthcare, Essar, Srilankan Insurance, Morton Salt, Ethicon, TCS/AbbVie, Gallikers, & IBM
Certifications	Minority Business Enterprise, SAP Gold Partner, and Oracle Gold Partner and ranked among top 50 Tech companies and top 10 SAP solution providers
Reach	North America, Europe, and Asia. Offices in Princeton, NJ; Ashburn, VA; Dover, NH; Toronto, CA; Hyderabad, India; Pune, India, Bangalore and UK (Europe) and Latin America
Lineage	Founded in 2005 and 12+ years of successful experience with ~200 consultants
IT Staffing	Time & Material, Core / Flex Project Staffing, Team Services



SAP Certified products



Products

Product Description

- | | | |
|---|---------------|--|
| 1 | HANEYA® | HANEYA is a key Robot that automates process, code remediation, and migration from ECC (x) to S/4 & S4(x) to S4 1809 HANA migration – Cuts the effort by HALF (40-50%) & S/4 Migration cost in HALF! |
| 2 | DMAG™ | DMAG tool automates the data cleansing, data dialysis and data migration solution and make the data business ready. It also will help with System refresh, Data Audits, Data Transformation, mapping, verification, auto validations, data retention & archiving.. |
| 3 | HANELYTICS® | HANELYTICS captures data from various sources and drives action through insights to improve your business operations: Revenue, Margins & Operating Expenses. HANElytics brings blend of HADOOP and HANA that will provide real time analytics @1/2 storage cost |
| 4 | VSoft Hybris™ | VSoft Hybris is a rapid deployment solution which is designed for Web commerce for various customer types. An eCommerce platform for Web Ordering, Channel Mgmt., Pricing, ASNs, Quotes and Payments. |
| 5 | Curatum™ | VSoft Curatum Software is a pre- packaged solution which is designed to provide comprehensive IT Governance, Risk and Compliance framework for clients to automate and accelerate the SAP GRC 10.1 implementation and migration projects. |



HANEYA®

Certificate

SAP INTEGRATION CERTIFICATION

SAP SE hereby confirms that the ABAP interface software for the product

Haneya 1.0

of the company

VisionSoft Consulting Inc

has been certified for integration with SAP S/4HANA 1511 via the SAP integration scenario *ABAP Add-On Deployment for SAP S/4HANA*.

This certificate confirms the technical and syntactical consistency of the Add-On in accordance with SAP certification procedures. SAP only certifies successful integration of the product with SAP solutions. Vendor is responsible for the product itself and its error-free operation.

The certification test is documented in report no. 9687 and expires May 04, 2020.

Vendor Hardware: PC x86-64

Vendor Operating System: Windows Server 2012 R2

SAP Test System: SAP S/4HANA 1511

This configuration meets the requirements for deploying Haneya 1.0 on SAP S/4HANA.

Certified Functions:

Assign Software Component with a registered Namespace
 Package Add-On using SAP Add-On Assembly Kit (AAK)
 Deploy using SAP Add-On Installation Tool (SAINT)
 Integrate with SAP S/4HANA
 SAP Solution Manager Ready functionality

Bangalore, May 04, 2017

Prashanth Kalur, SAP Labs

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<http://www.sap.com/india>



SAP® Certified
 Integration with SAP® S/4HANA



DMAG™

Certificate

SAP INTEGRATION CERTIFICATION

SAP SE hereby confirms that the interface software for the product **DMAG 1.0** of the company **VisionSoft Consulting Inc.** has been certified for deployment on SAP S/4HANA 1709 via the SAP integration scenario **ABAP Add-On Deployment for SAP S/4HANA**.

This certificate confirms the technical compliance of **DMAG 1.0** with SAP certification procedures.

The certification test is documented in report no. **12918** and expires on **December 27, 2021**.

SAP Test System: SAP S/4HANA 1709

Certified Functions:

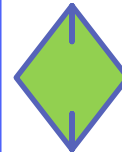
Assign Software Component and Namespace
 Package Add-On using SAP Add-On Assembly Kit
 Deploy using SAP Add-On Installation Tool (SAINT)
 Integrate with SAP S/4HANA
 Technical Uninstallation Test
 SAP Solution Manager Ready functionality

Prashanth Kalur
 Bangalore, December 27, 2018

SAP® Certified
 Integration with SAP S/4HANA®



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.



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 inconsistencies 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.

We understand, you are looking for following Data Mgt. capabilities

1) System Refresh & Masking

- ✓ SAP system refresh (Sandbox, DEV or QA) from Production
- ✓ Zero Down Time for the target and source systems
- ✓ Data Masking of sensitive data

2) Data Carve Out, Archiving and Retrieval on Demand

- ✓ Talk to the advantages this plugin brings and ease of implementation.
- ✓ Archive for R/3 ECC as well as S/4 HANA version of SAP
- ✓ Incorporate subscriptions being archived then go for it.
- ✓ Show archival and retrieval of non-trivial volumes & provide guidance for larger volumes
- ✓ Few uses cases but powerful is what I need.

3) Data Migration & Conversion

- ✓ SAP to SAP Migrations
- ✓ Non-SAP to SAP Migrations

4) Data Cleansing, Data Audit and Data Dialysis

- ✓ Identify Data Inconsistencies, Errors, & New Fields and Changed Fields with reference to S/4 HANA
- ✓ Correct the above inconsistencies and Errors via DMAG Automation

5) Master Data Management & Perpetual Governance

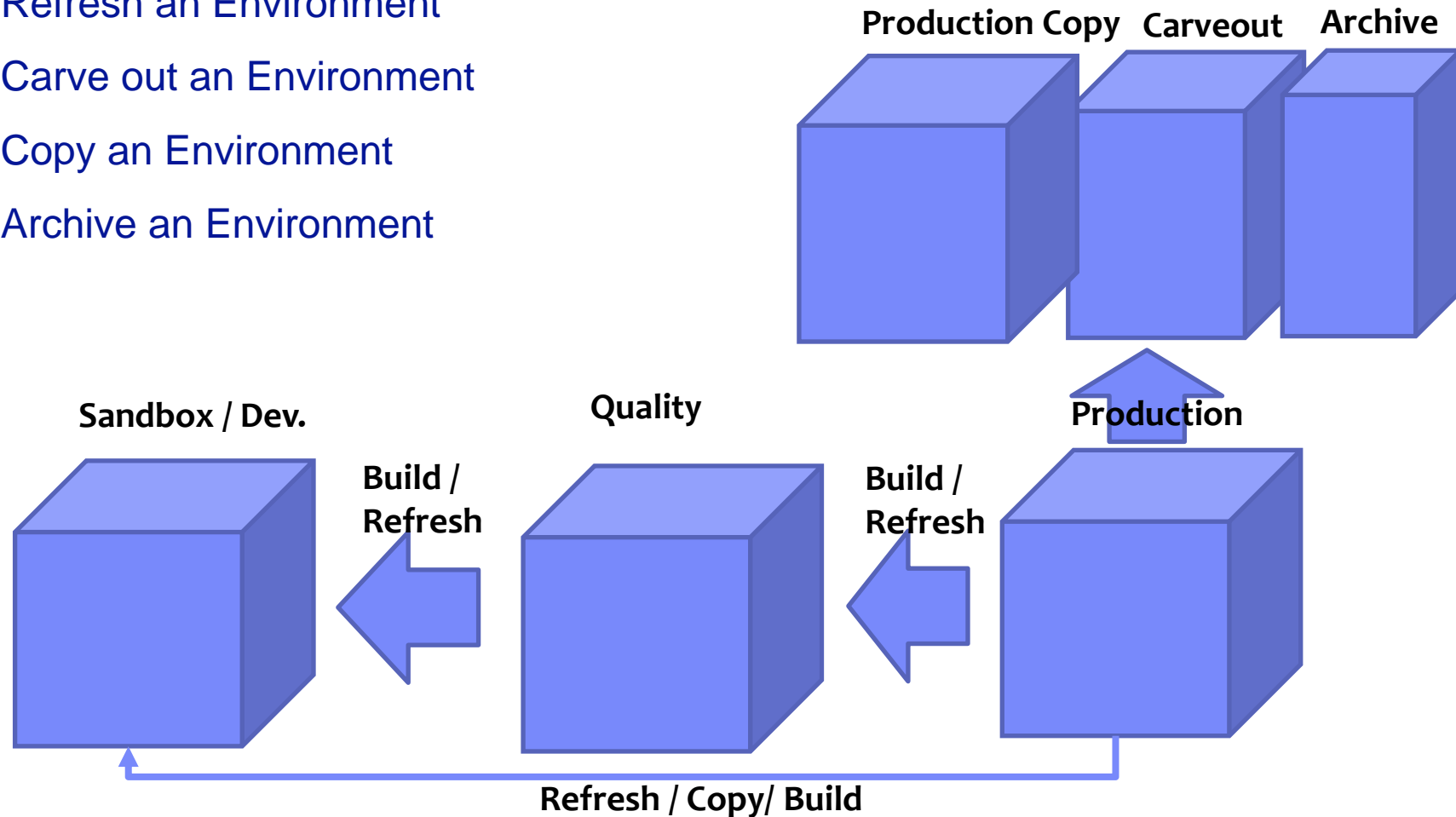
Below are Data Masking capabilities of DMAG™:

- ✓ Identify and Capture Critical Masking Elements in the **Business Rules Table**
- ✓ Scramble the sensitive data in the desired environment
- ✓ Role Based display of scrambled data
- ✓ Dynamic Data Masking
- ✓ Across the application and processes
- ✓ Mask at Data element level
- ✓ Mask the Data Blocks in each of the Objects

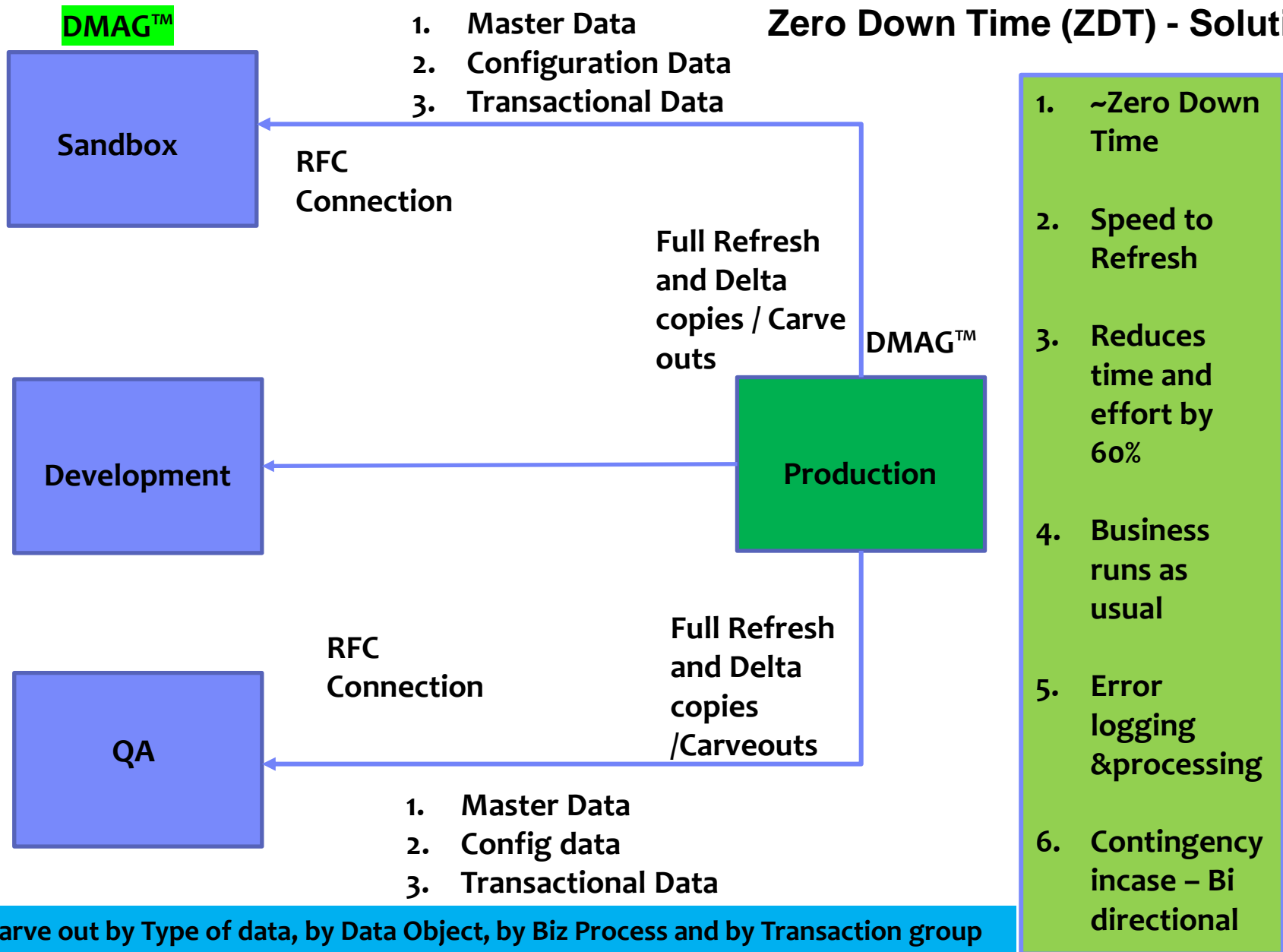
Below are Environment / Deployment capabilities of DMAG:

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

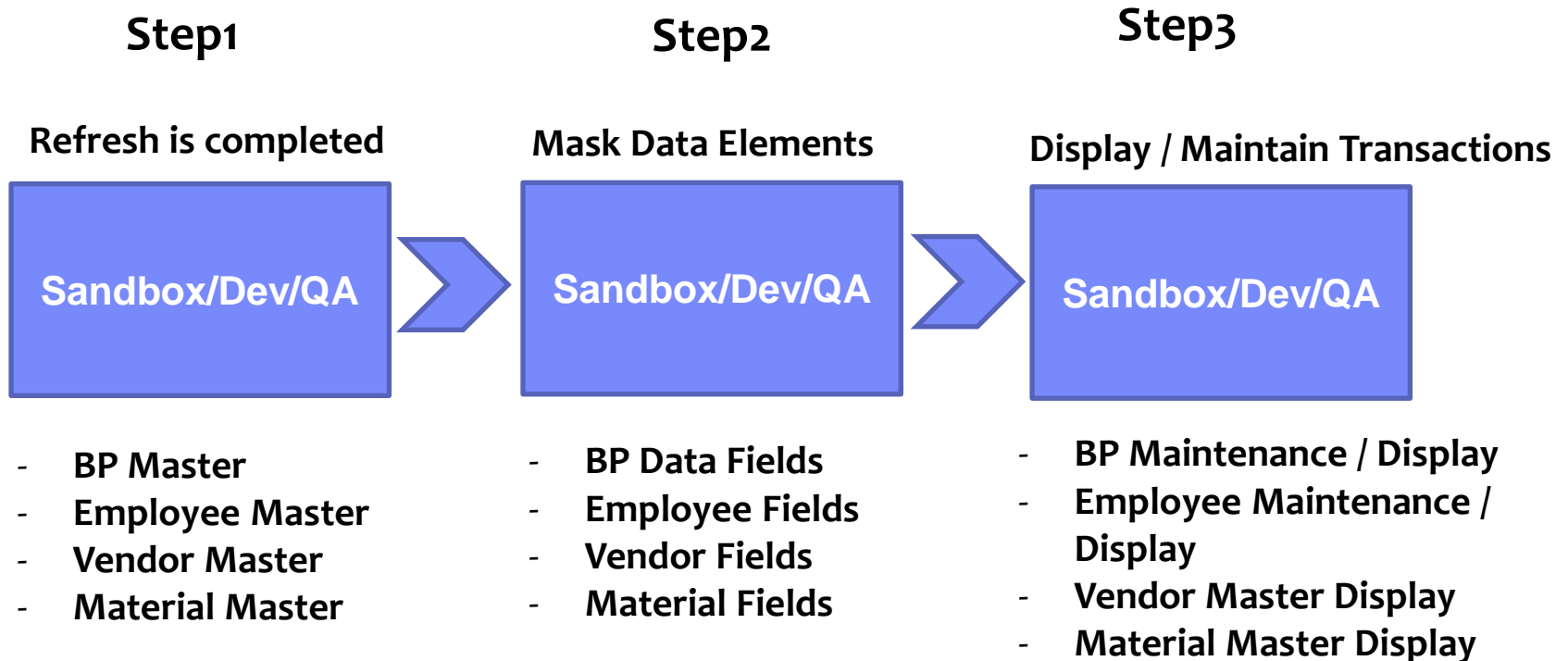


Zero Down Time (ZDT) - Solution

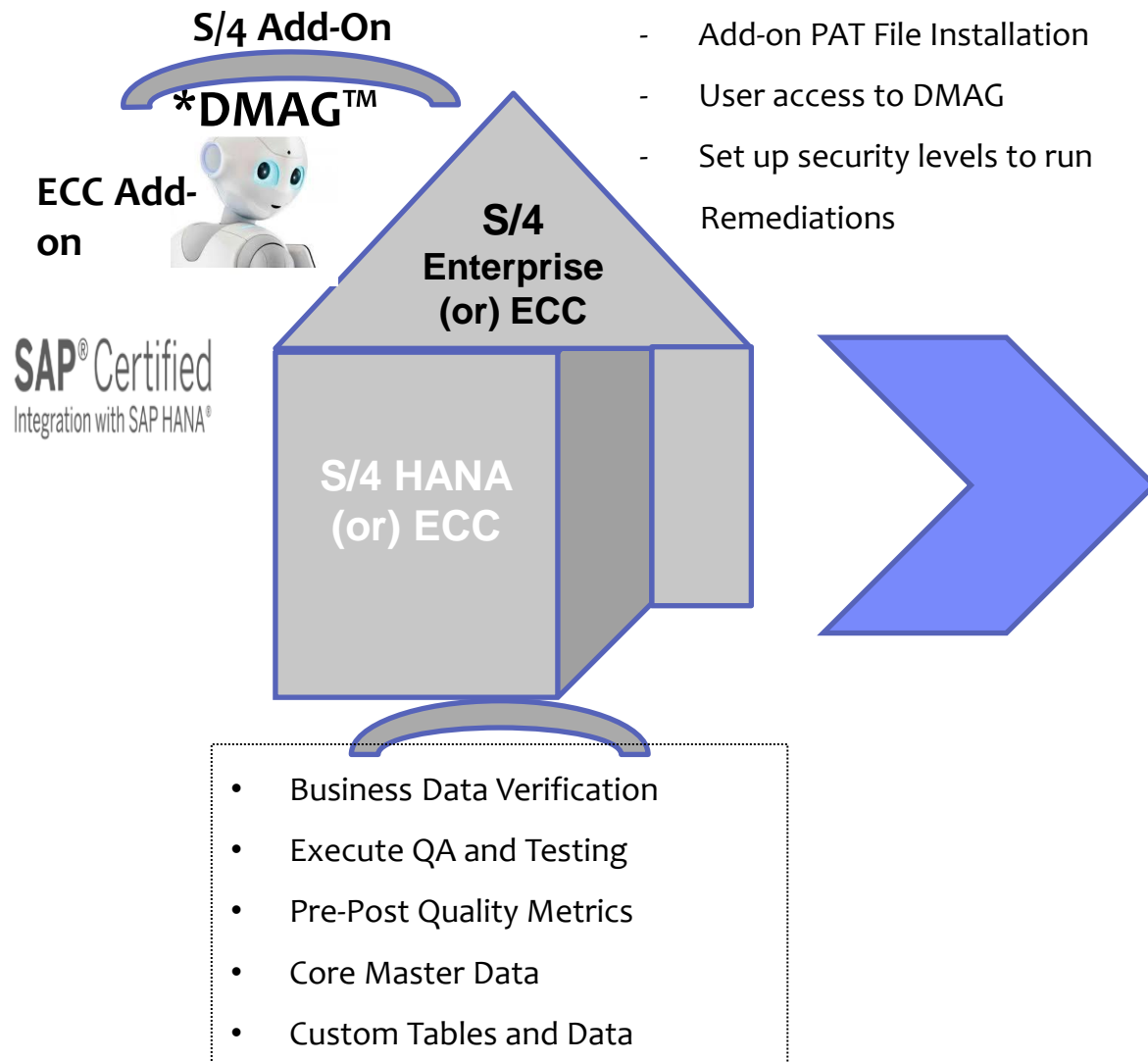


Data Masking capabilities of DMAG:

- Mask Sensitive data in BP, Employee, Vendor, Material masters and other transactions



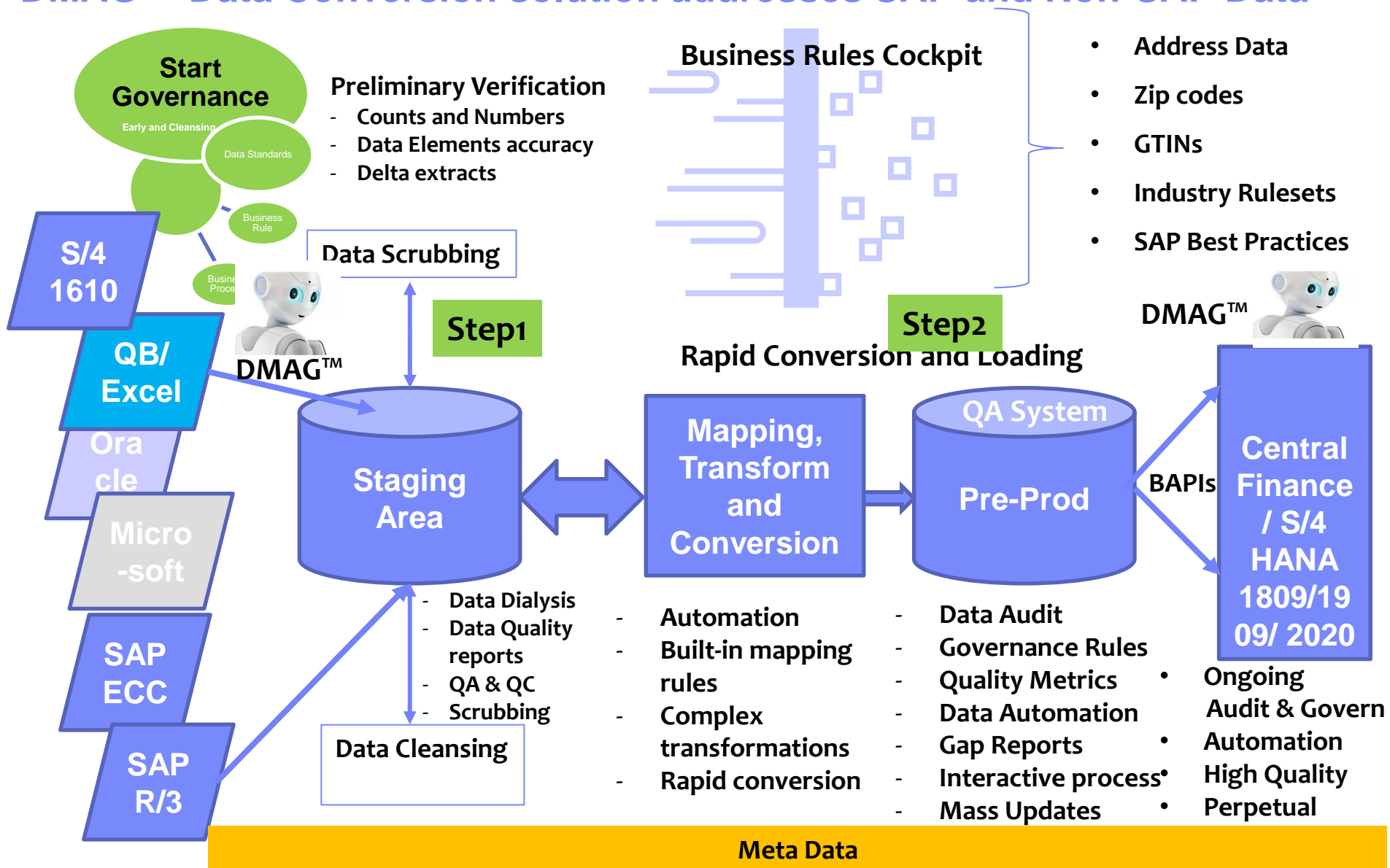
DMAG provides compelling value by automating Data inconsistencies in ECC& S/4 HANA and making the data error free, business ready, and compatible with S/4 HANA Framework



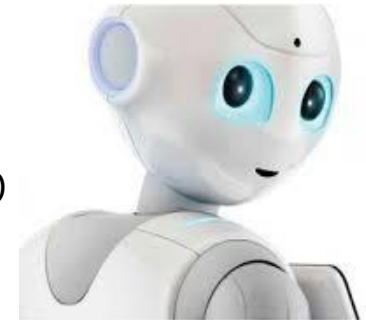
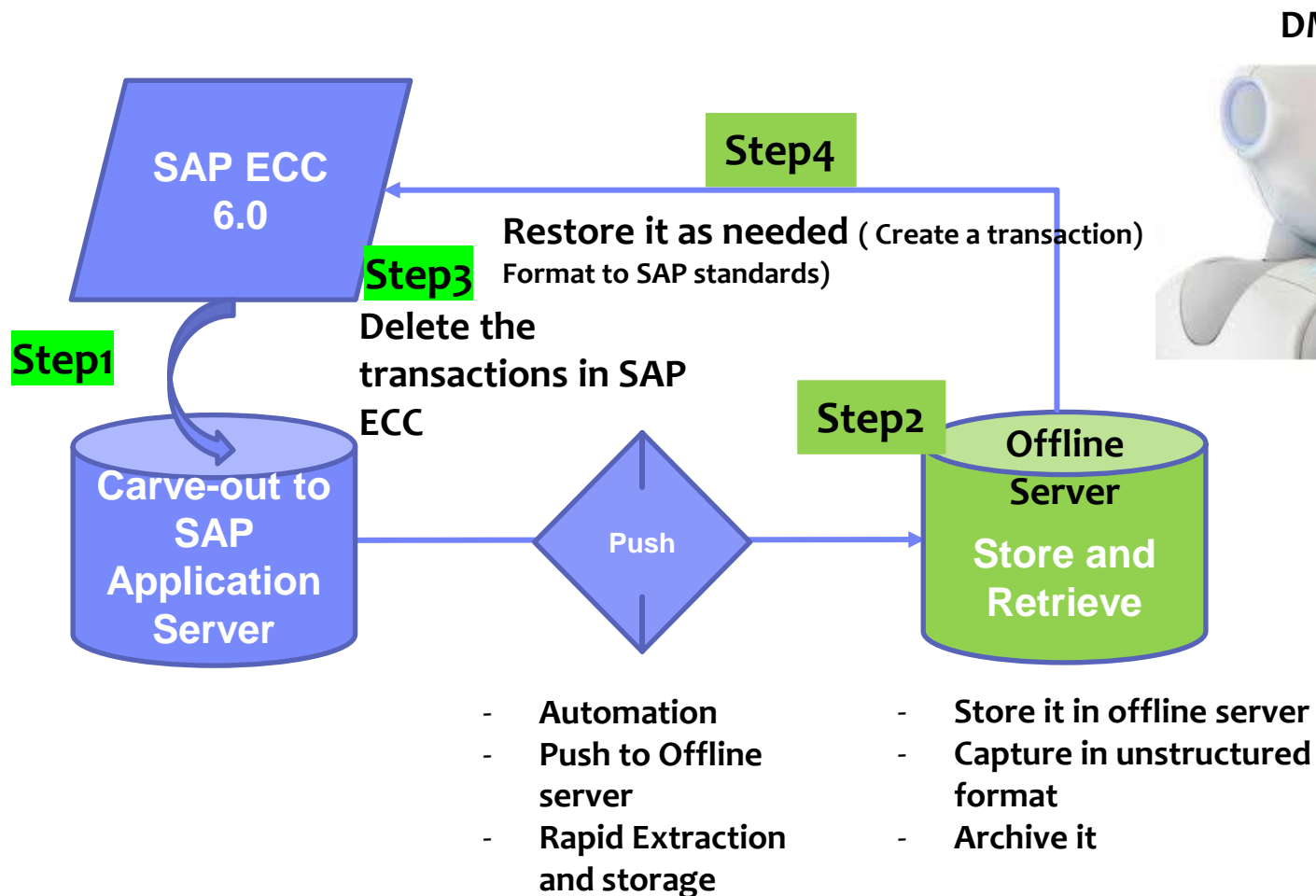
Six sigma Quality Data

- Identification of inconsistencies
- Data Audit based on Business rules
- Build Complex Business Rules Using the DMAG Configuration Tables – Scalable
- Produce Portfolio of Inconsistencies
- Review with Stakeholders and prioritize - 1,2 and 3 for remediation
- Data Cleansing and Corrections
- Map, Transform and Automate Data Models
- Make data compatible with S/4 HANA 1809 framework
- Automation runs to achieve six Sigma Quality levels

DMAG™ Data Conversion solution addresses SAP and Non-SAP Data



DMAG™ – Data Carve Out & Archiving Solution



External User



Webdispatcher
(secure layer)

DMAG™ Webforms (user interface leveraging SAP WebDynpro)

Webdynpro
/ SAP/ Excel
Upload

Customer

Vendor

Material

BoM

Pricing

XXXXXX

XXXXXX

XXXXXX

Business
Applicati
on Layer

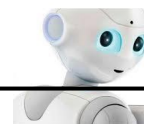
DMAG

(Business Process Validations, Governance, Audit trails, Approval flows)

SAP ERP
Layer

S/4 HANA

DMAG™ is a Robotic Data Management Tool that automates Master Data Management - Reduces the effort and time by 50% and Scalable for Roll Out



Roles

System

Initiator

Requestor

Approver

System

Steps

1

Excel MD Upload



2

Error Processing



3

Staging Process



4

Approvals/ Rejections



5

MD Creation in SAP

ECC EhpX



Data Management & Governance

Data Maintenance and Governance in ECC system

1

Data Creation & Maintenance

- Excel Data Upload
- Error Processing and Scrubbing

2

Data Error Processing

- Data Scrubbing based on the Validation Rules

3

Requestor is the Holy Grail of the data

- End to end Processing of Master Data

4

Data Approvals & Rejections

- Approvals and Rejections based on Approval Hierarchy

5

MD Creation in the System

- Creation of MD with 100% Quality Records

6

- Data Governance - Remediation** based on business rule sets
- *Ongoing MD Governance based on the Business Rules Set*

DMAG™ Demo Scenarios and Components

Data Migration

Scenarios:

- Non-SAP to SAP migration
 - G/L
 - Customer(BP)
- SAP to SAP migration
 - Sales cycle
 - Procurement cycle
 - Finance cycle

Data Archiving

Scenarios:

- Sales cycle
- Procurement cycle
- Finance cycle

Data Cleansing & Governance

Scenarios:

- Customers
- Vendors
- Materials

Master Data Mgt.

Scenarios:

- Customers
- Vendors
- Materials

System Refresh & Masking

Scenarios:

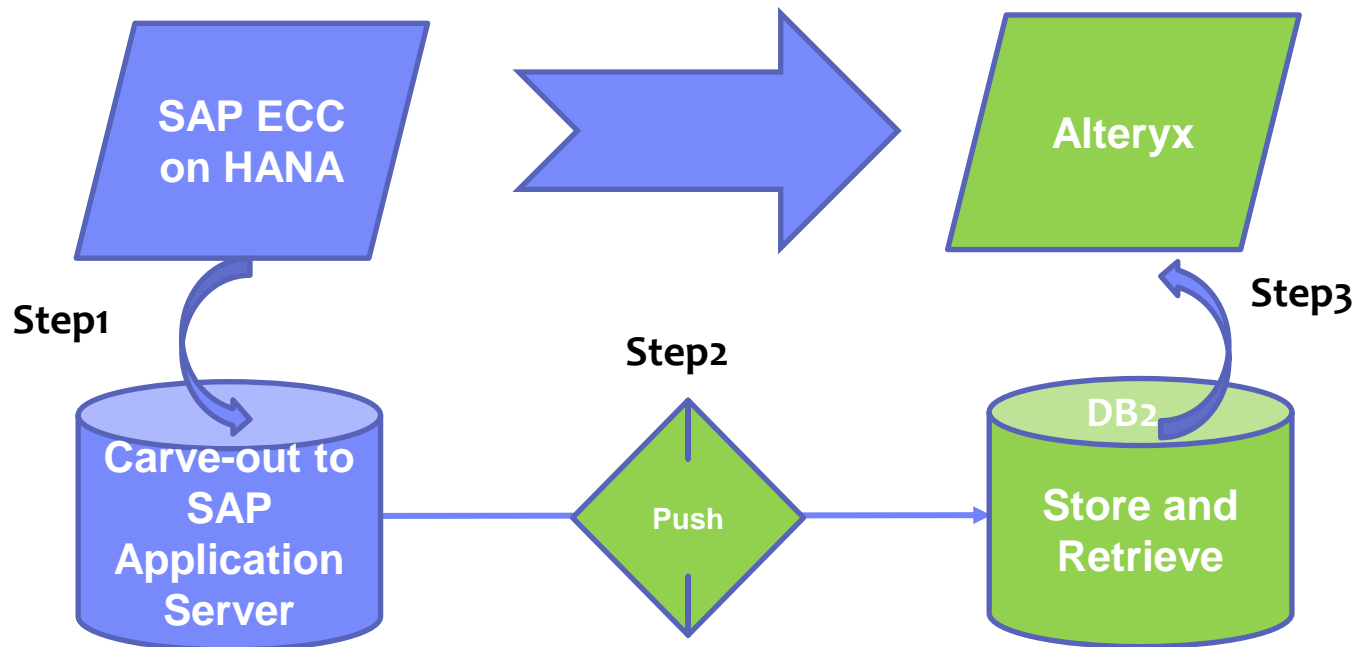
- Customers
- Pricing
- Sales
- Purchasing
-

Data Masking

Sample

DMAG™ – Data Carve Out, Archive, and Retrieve solution

- Periodic run
- Exceptions via email
- Validations



- Extract Data from ECC
- Selection based on Sales Channel
- Store it on App Server
- Pushed to DB2 Application
- Delete after Push
- Repeat the deletion process daily / weekly

- Automation
- Push to DB2
- Rapid Extraction and storage

- Retrieve it as needed
- Capture in DB2 format
- Archive it

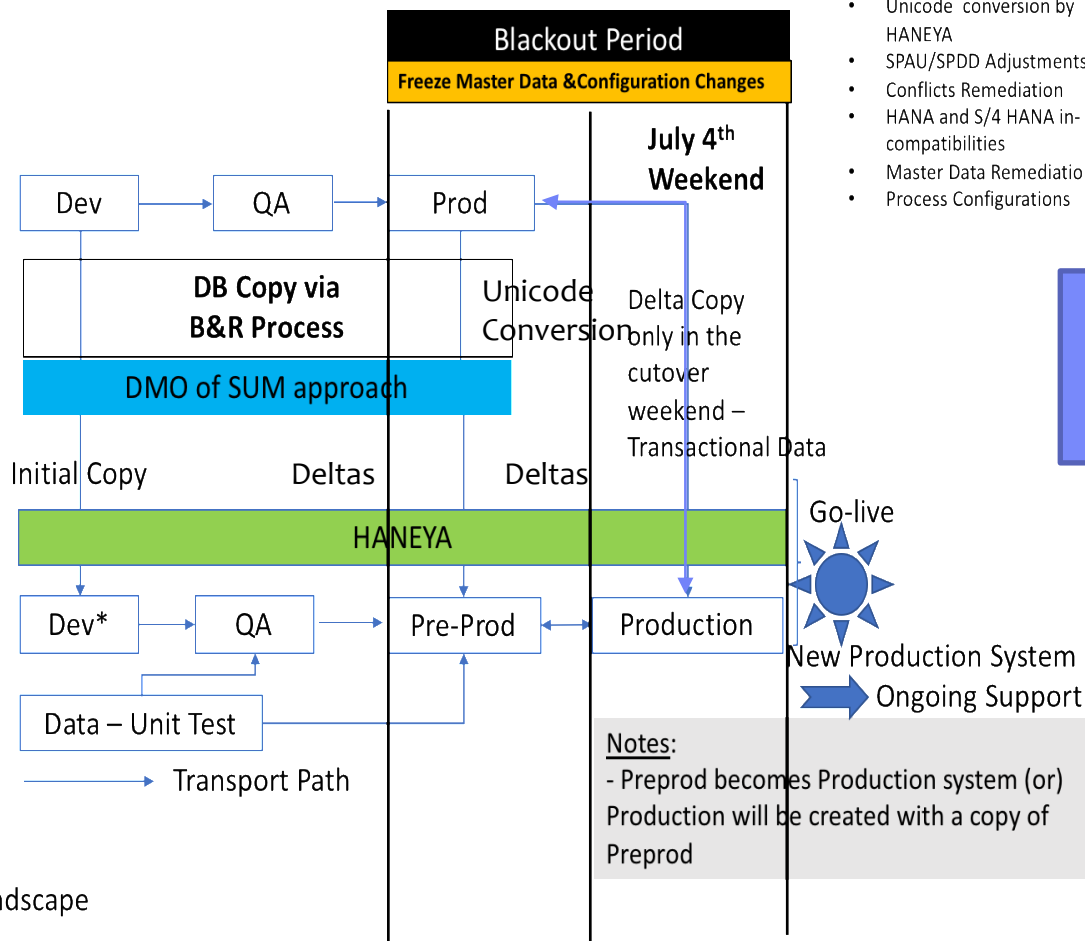
- Sales
- Procurement
- Financials
- POS data

Zero Down Time Solution – Data Carve out & System Refresh

Solution Statement

Current - N Landscape

HANA Landscape



*Pre-requisites:

- Unicode conversion by HANEYA
- SPAU/SPDD Adjustments
- Conflicts Remediation
- HANA and S/4 HANA incompatibilities
- Master Data Remediation
- Process Configurations

1. ~Zero Down Time
2. Speed to Migration
3. Reduces time and effort by 60%
4. Business runs as usual
5. Contingency incase – Back to ECC

Figure 1- Approach DB copy, Upgrade, and Migration

DMAG™

Value Proposition

DMAG™ Value is demonstrated beyond MDM and Cleansing

Functionality	Value
<ol style="list-style-type: none"> 1. System Refresh 2. Data Archiving 3. Data Cleansing 4. <i>Data Audits and Diagnosis</i> 5. <i>Web Interface for Data Capture (Customer, Vendor, Material, etc)</i> 6. Proactive Data Validations & Work Flow Approvals 7. Supports mapping, transformation & conversion while migrating from ECC or Non-SAP systems to S/4 HANA 8. Data Inconsistencies report during migration between source and target S/4 HANA systems 9. Ongoing Data Quality Metrics & Data Governance Framework 	<ul style="list-style-type: none"> ▪ Scalable Data Archiving solution with 1/ 2 of the storage cost ▪ On-Demand Data Archiving Solution ▪ Zero DOWN time during the system refresh ▪ 1/3 of the implementation cost with speed to delivery and high quality ▪ Data retained outside of SAP on an offline server and retrieved as needed – 50% reduction in data ▪ Data Carve outs for Non-Productive data ▪ 100% Error Free Data and Secure Capture ▪ Reliable and Scalable solution for additional Scenarios ▪ High quality Product Information Management (PIM) ▪ The effort and timeline reduced by HALF – Upto 50% overall effort reduction ▪ Speed to Master Data Implementation by 50 - 60% ▪ Optimizes Master Data Stewards FTE – ON GOING - 60% FTE Synergy Savings