SAP TechEd

Hands-On Experience with SAP Master Data Governance, cloud edition

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SAP

Agenda

Short Introduction to SAP MDG

Hands-On Exercises

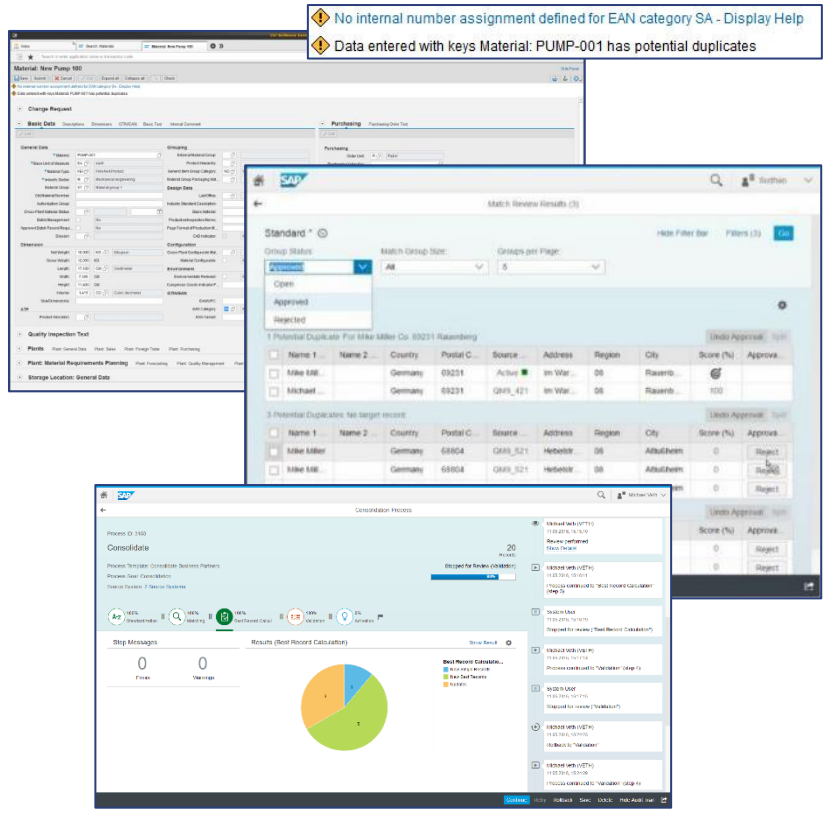
- **Exercise 1 – GETTING STARTED:**
  Access Your Group's Tenant
- **Exercise 2 – CENTRAL GOVERNANCE:**
  Business Partner Creation with Central Governance
- **Exercise 3 – CONSOLIDATION:**
  Upload and Consolidate Business Partner Data
- **Exercise 4 – MASS CHANGE:**
  Execute a Mass Process on Business Partner Data
- **Exercise 5 – DATA QUALITY MANAGEMENT:**
  Manage Rules, Evaluate Results, Correct Errors

SAP Master Data Governance

Consistent high-quality master data for your entire organization

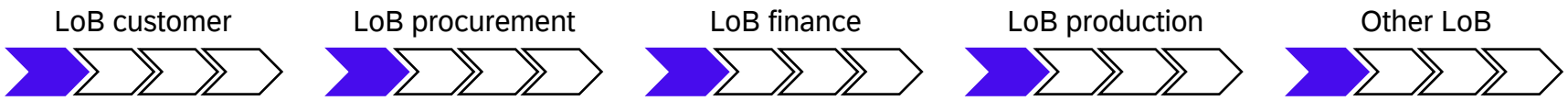
SAP Master Data Governance is a **state-of-the-art master data management application**, providing **preconfigured**, domain-specific master data governance to **monitor and correct** potential data quality issues, to **centrally** create, change, and distribute, or to **consolidate** master data across your **complete enterprise system landscape**.

- **Central governance or consolidation for consistent master data**
  - Enables centralized governance, compliance, and transparency of master data during creation and change through integrated staging, approval, and central audit trail
  - Delivers consistent definition, authorization, and replication of key master data entities
  - Eliminates error-prone manual maintenance processes for master data in multiple systems
  - Supports consolidation of decentralized master data in any enterprise system landscape to create best records and key mapping between duplicates
  - Optionally combines consolidation with central governance for sustained master data quality
- **Quality Management**
  - Define master data quality rules, striving for consistent usage across all points of data entry, and enabling data quality monitoring, analysis and remediation
  - Observe and investigate master data management process quality to enable optimization
- **Integration and reuse**
  - Native integration and openness to integrate 3rd party services
  - Reuse of SAP's data models, existing business logic, and configuration for data validation
  - Open application to manage your own master data flexibly also for non-SAP environments



Typical approaches to **master data management (MDM)**

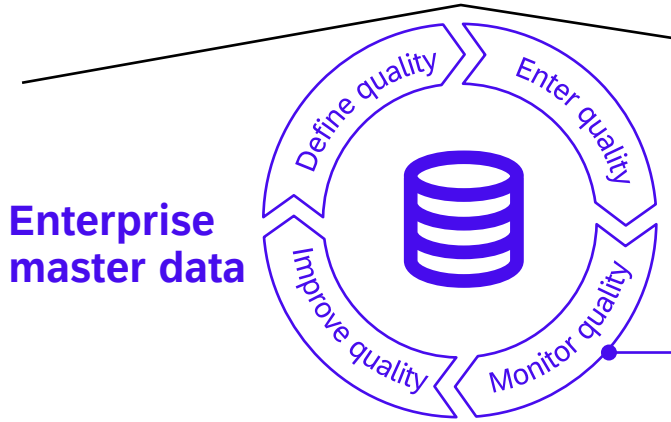
Central governance and distribution; decentralized ownership and consolidation



Systems under central governance

SAP Master Data Governance – central governance

Create master data in line with business processes (such as integrated product development or supplier management)



Enterprise master data

SAP Master Data Governance application – consolidation

Consolidate master data into a single view for accurate analytics and operational insight (continuously or on request, such as for initial load or mergers and acquisitions)

SAP Master Data Governance – data quality management

Manage master data quality by defining, enforcing, monitoring, and improving quality

Systems not under central governance

Legacy systems | Reporting and analytics | Business networks | Cloud

All typical approaches are supported: central governance with distribution, decentralized ownership with consolidation, data quality monitoring with remediation

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SAP Master Data Governance, Data Quality Management

Process flow

Define Quality

Requirements are defined based on your company's business processes

Priorities are set according to value, impact, and quality evolution

- ► Experts collaborate to define needed quality level and required checks
- ► The system helps to identify additional meaningful rules

Enter Quality

Ensure quality at point of entry

Consider all entry-points: single changes, mass changes, load scenarios, in daily business, projects, …

- ► Rule-based checks in all processes of SAP MDG

Monitor Quality

Operational motivation: detect issues before processes fail

Tactical: ensure progress and performance of current activities

Strategic: enable achievements, define new initiatives

- ► Easy to consume monitoring and trend reporting

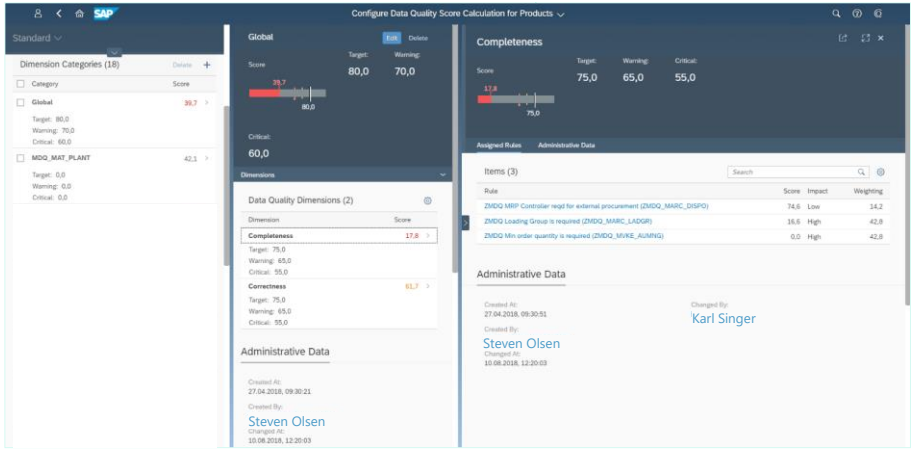
Improve Quality

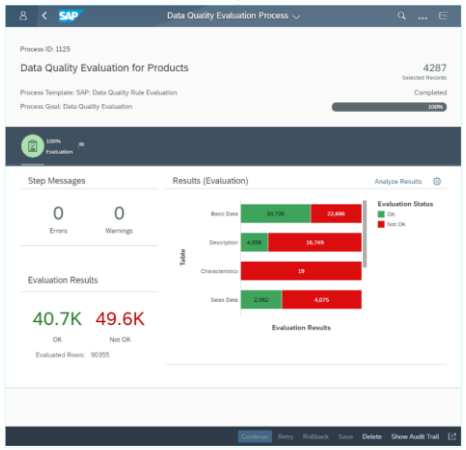
Correct data and drive the correction process

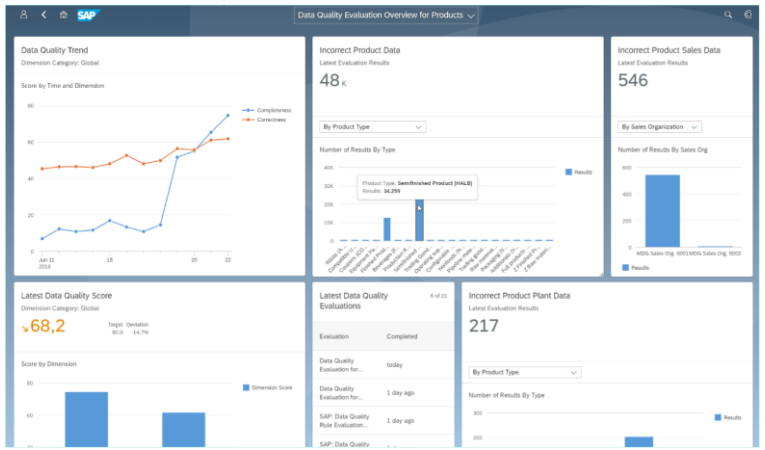
Fix data entry processes

Evolve the definition of quality

- ► Tools to fix data and to improve checks at point of entry







SAP Master Data Governance, Consolidation

Process flow

Data Load

Open to SAP HANA smart data integration, non-HANA based SAP ETL mechanisms, non-SAP ETL options, or data import from file

Initial Check

View loaded data and check data quality based on backend customizing

Standardize

Validate and enrich address data

Possibility to connect to 3rd party tools for standardization and enrichment

Usage of BRF+ for standardization and enrichment

Match

Find duplicates based on customer-specific matching rules

Review match result

Calculate Best Record

Create “Best Records” based on approved match groups

BRF+ can be used for customer-specific Best Record Calculation

Review Best Record Calculation result

Validate

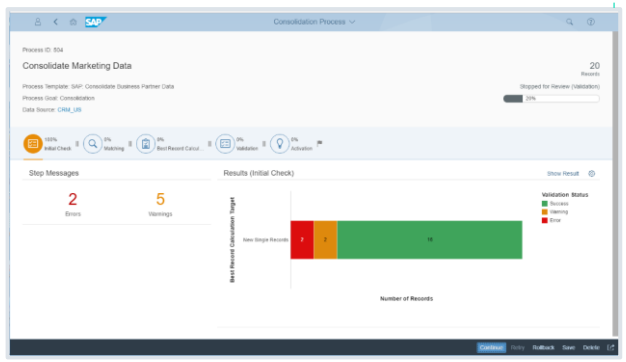
Validate best records against backend customizing to verify whether records can be activated

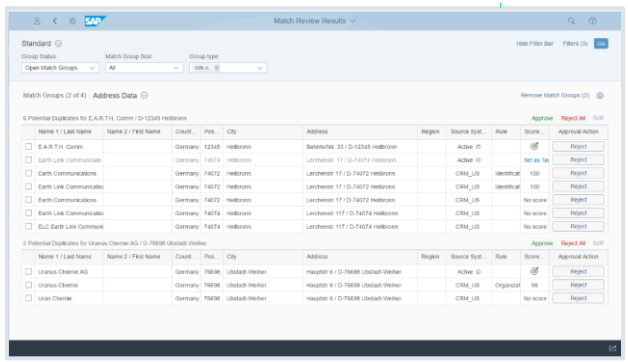
Validate against ctrl. governance checks (BAdI, BRF+)

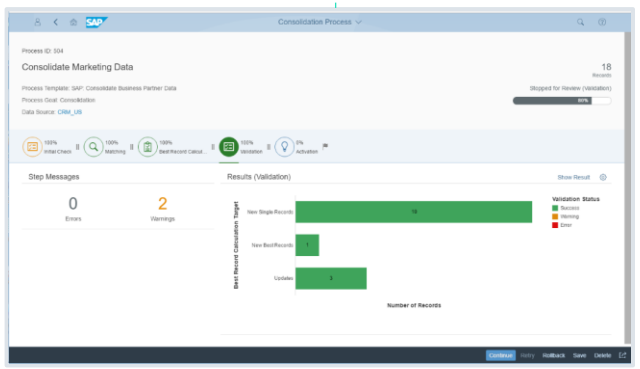
Activate

Provide consolidated master data for analytical or operational use

Option to activate directly, or indirectly triggering post processing using central governance

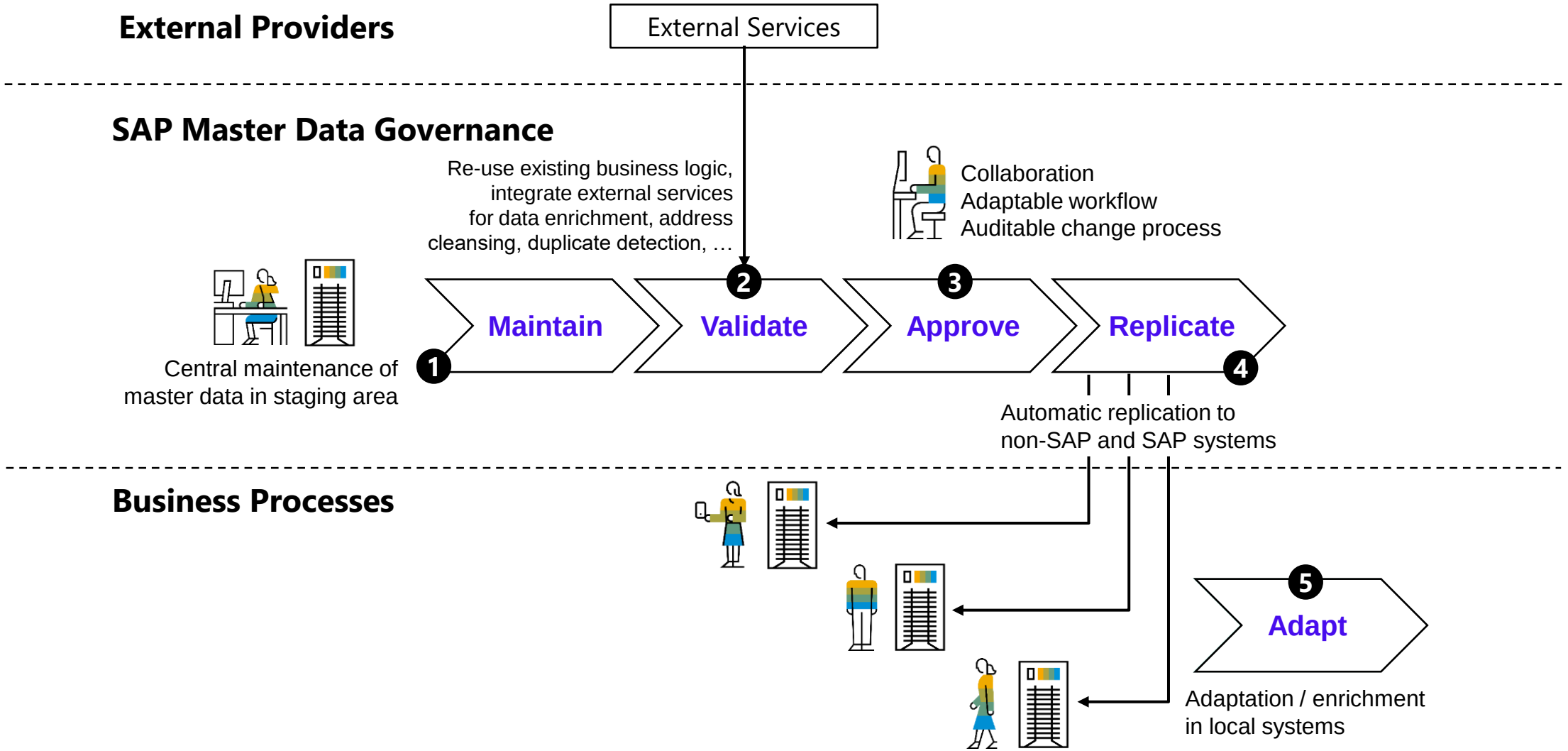






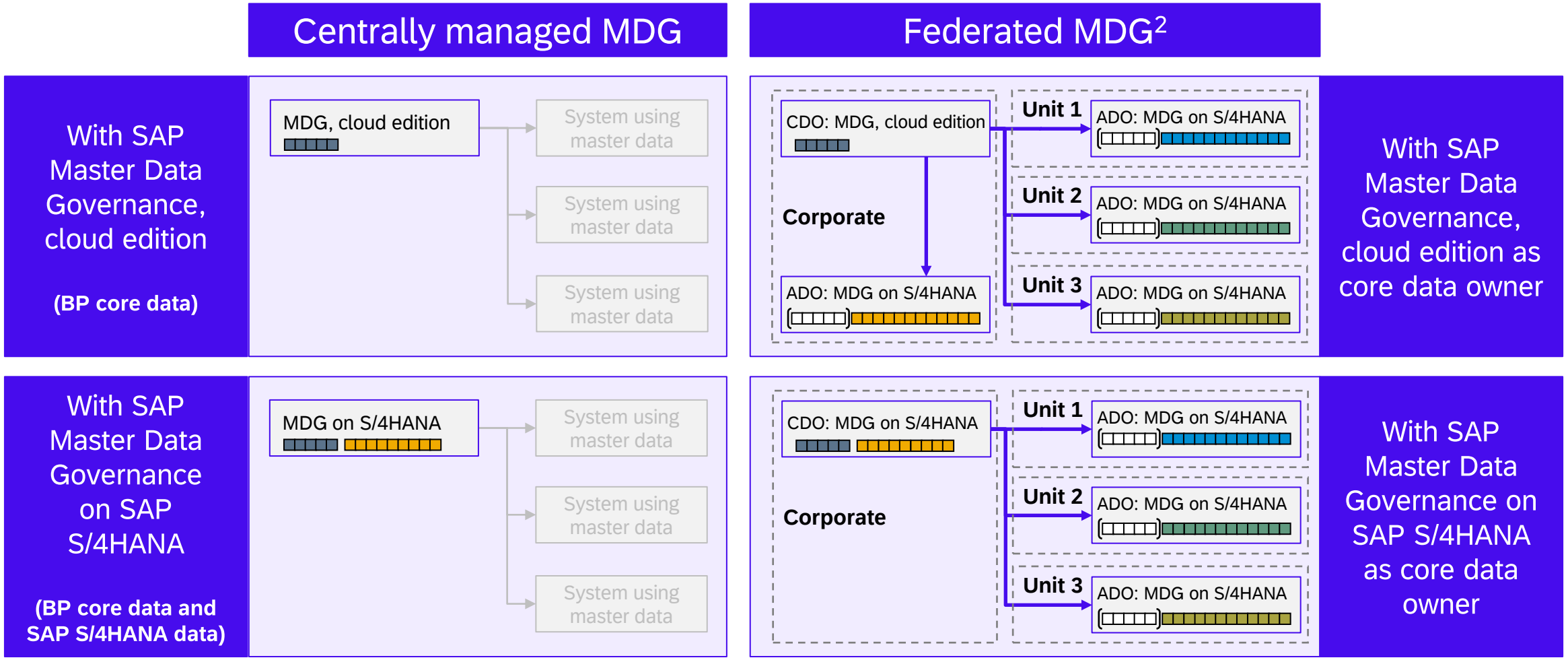
SAP Master Data Governance, Central Governance

Process flow



Options for **centrally managed** and **federated**[1] MDG

for business partner (BP) master data



1. Coverage of all federated MDG scenarios planned for future releases.
2. **CDO** = SAP Master Data Governance in the role of the **c**ore **d**ata **o**wner.
   ADO = SAP Master Data Governance in the role of the **a**pplication **d**ata **o**wner.

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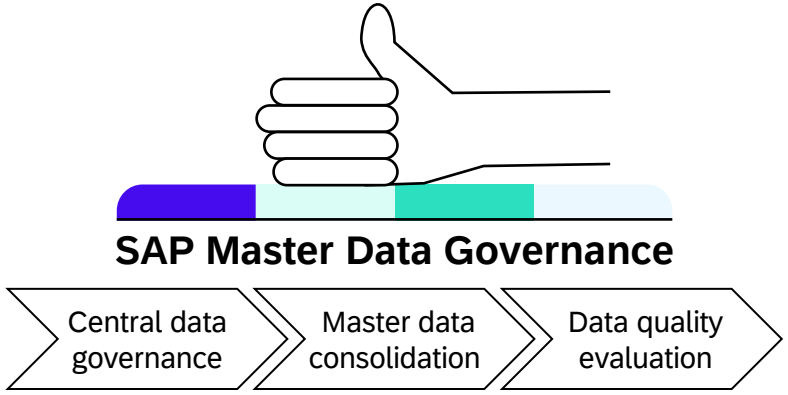
SAP Master Data Governance: Product portfolio and key capabilities*

Options to centrally manage or federate your master data governance

Today's hands-on workshop

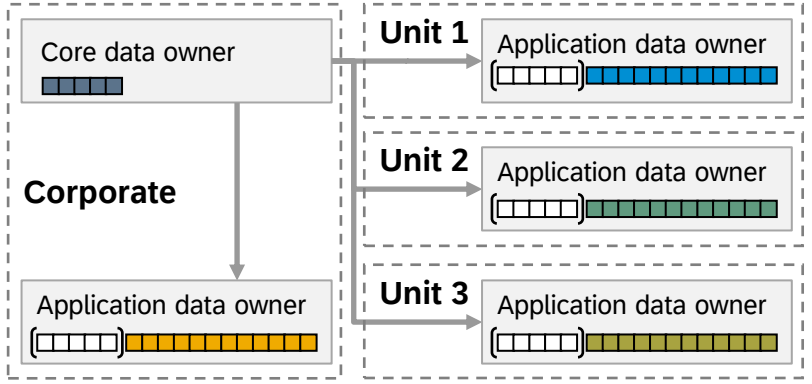
SAP Master Data Governance, cloud edition

- Focus on **core master data attributes** (domain: BP, more to follow)
- Either the **stand-alone** application for centrally managed MDG
- . . . or the **CDO** in federated MDG
- Provided as SaaS application today (PaaS planned for the future)



SAP Master Data Governance on SAP S/4HANA

- Focus on **core and application master data attributes**
- Either the **stand-alone** application for centrally managed MDG
- . . . or the **CDO** in federated MDG
- . . . or one of the **ADOs** in federated MDG
- Provided for on-premise and private cloud versions (centrally managed, CDO, ADO) and in the public cloud (planned: ADO)



Target state across all versions

- **Same**: Processes, user experience, extensibility
- **Different**: Data models (based on the underlying platform)

*Coverage of all federated MDG scenarios planned for future releases

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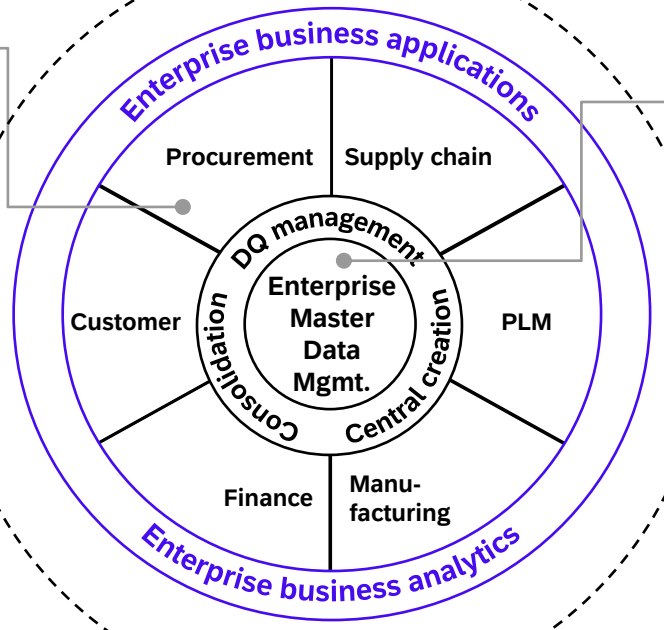
SAP Master Data Governance

Key trends, customer needs, and value proposition



Cloud

Bridging master data across cloud and on-premise applications and services, and deploy MDM capabilities where required by the applications

Governance of master data integrated into line of business processes and analytics

"Multivector" master data management capabilities that are supported across domains, industries, and approaches

Federation and modularization

Increasing the agility and reach of corporate master data management, and managing the data exactly where it is best understood

Automation

Intelligent master data mgmt. allowing for higher efficiency, better cost for quality, and leveraging trusted data from external sources and networks

Digitalization

High-quality master data – the foundation of digital business and every transformation

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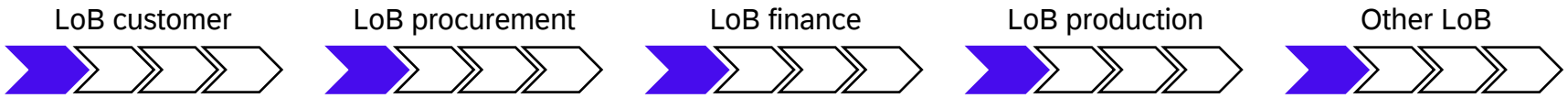

Systems under central governance

SAP Master Data Governance

Exercise 2 – CENTRAL GOVERNANCE:
BP Creation with Central Governance

development or supplier management)

Exercise 4 – MASS CHANGE:
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SAP Master Data Governance
– data quality management

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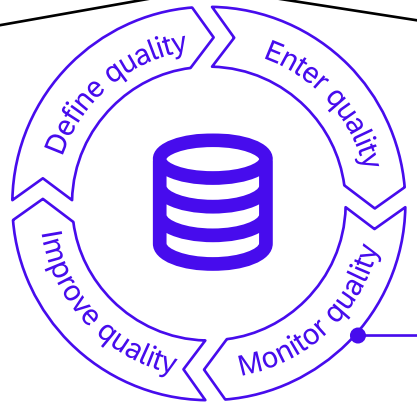

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*"2023 Value of IT Certification Candidate Report," Pearson VUE, 2023.

Thank you

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