

SAP's global data mesh for composable data management supporting cross-domain consumption

Mihnea Andrei, Anil Goel, SAP September 9, 2022



Agenda

Data Integration in the cloud

The Data Plane Service (DPS)

DDD: the DPS as a data mesh

DPS architecture

From the DPS to the Data Suite (DS)

Organizations face complex and unintegrated data landscapes **Planning** application Cloud data Data lakes swamps Cloud object stores File SAP systems 3rd party S/4 HANA Data databases Cloud Cloud databases marts 3rd party applications Legacy applications SAP Fieldglass 3rd party data warehouses SAP HANA SAP Ariba SAP Concur C SAP SuccessFactors 💙 SAP BW/4HANA SAP S/4 HANA

Organizations face siloed and disconnected data that lacks business context

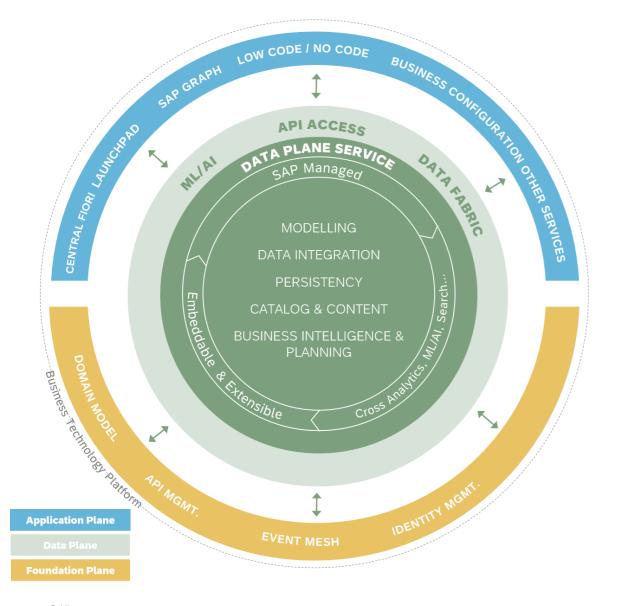


Application Data with Business Context

Data Lake



Data Plane Service Vision



Provide the Data Foundation for SAP business applications

- Provide a unified data management layer to SAP LoBs
- Be competitive
- Substantial customer value in cross-domain analytics and datadriven applications

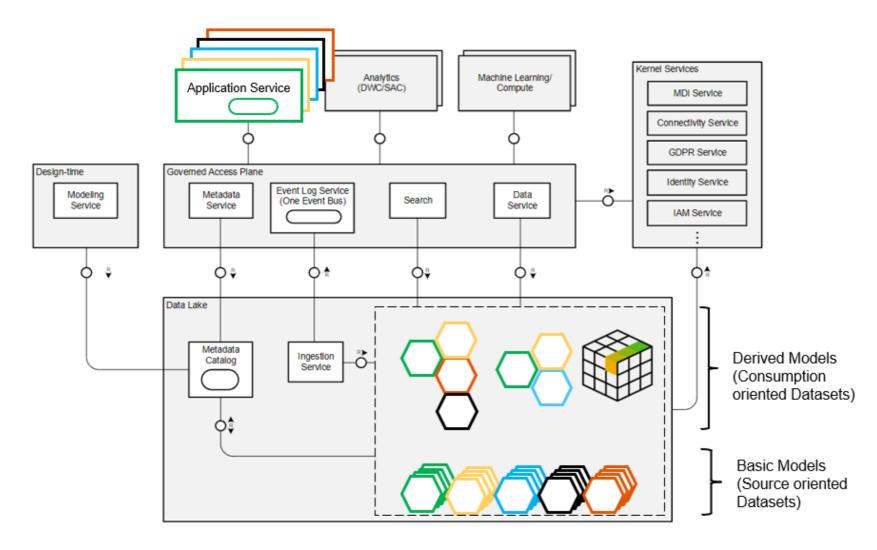
Provide semantic-based data integration

- The SAP environments are the arena for context-rich data integration
- Innovate on SAP data in SAP environments
- Harness the value of all SAP data and foster data driven value creation

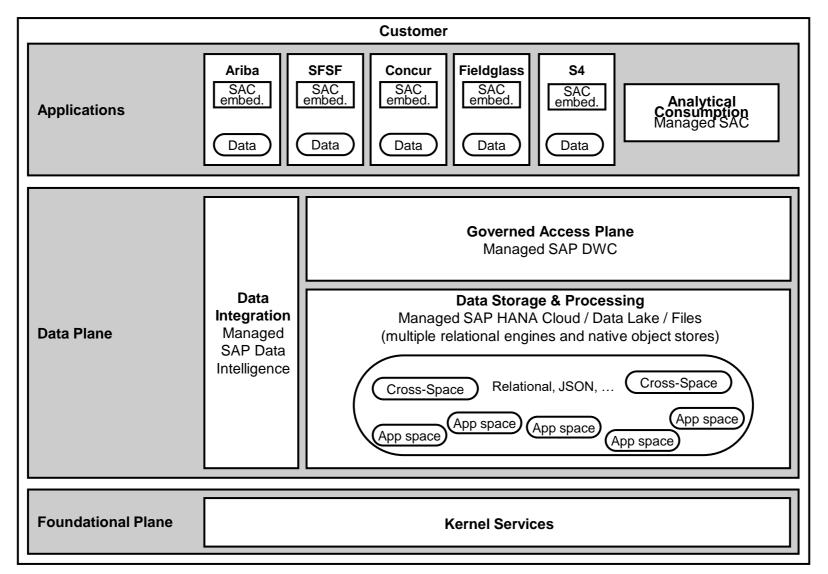
Transform SAP data and analytics portfolio into composable services

- Design a common set of cloud services
- Drive common platform usage of such services

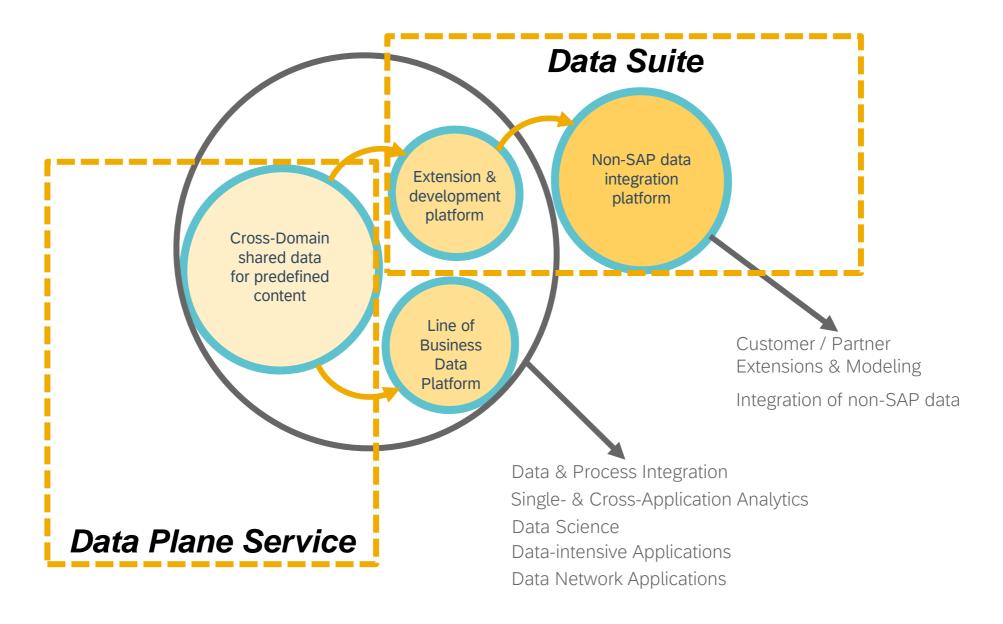
The SAP Data Mesh & DDD: Decentralized Data Modeling, [Collocated] Data Ingestion, Data [Cross-] Consumption



SAP Data Plane Service – Data Mesh based on composable SAP technology



Data Plane Service Use Cases and the Data Suite



Thank you.

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