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How to use Reference Solution Architecture for SAP Master Data Governance

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Agenda

1 Introduction – Solution Reference Architecture

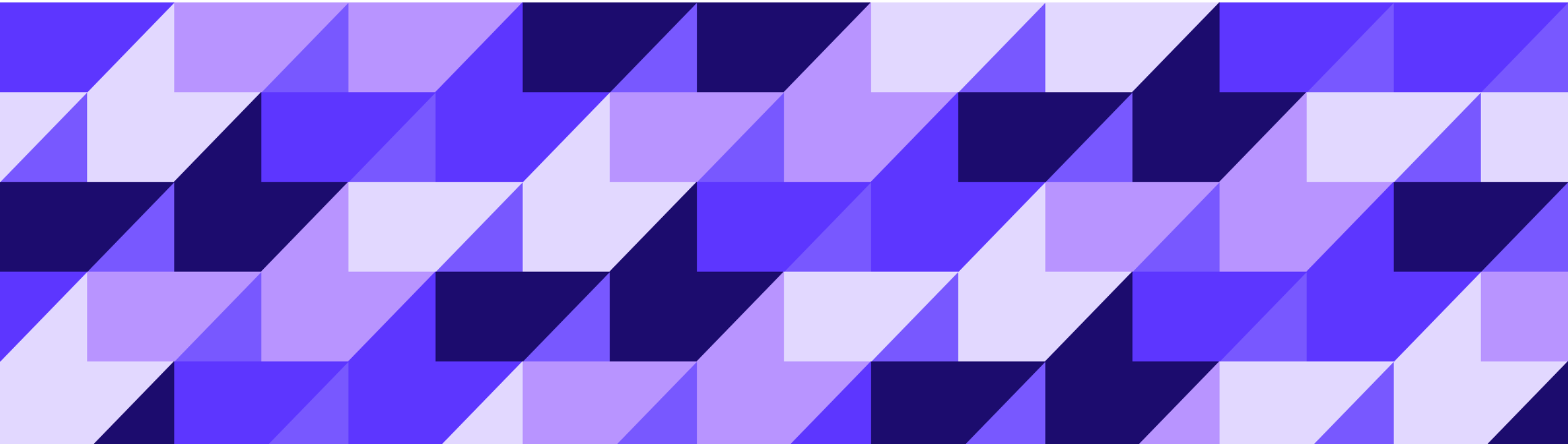
2 Solution Variants for Master Data Management

3 Reference Solution Architecture Artefacts

4 Demo

5 Additional Information
Q&A

Introduction

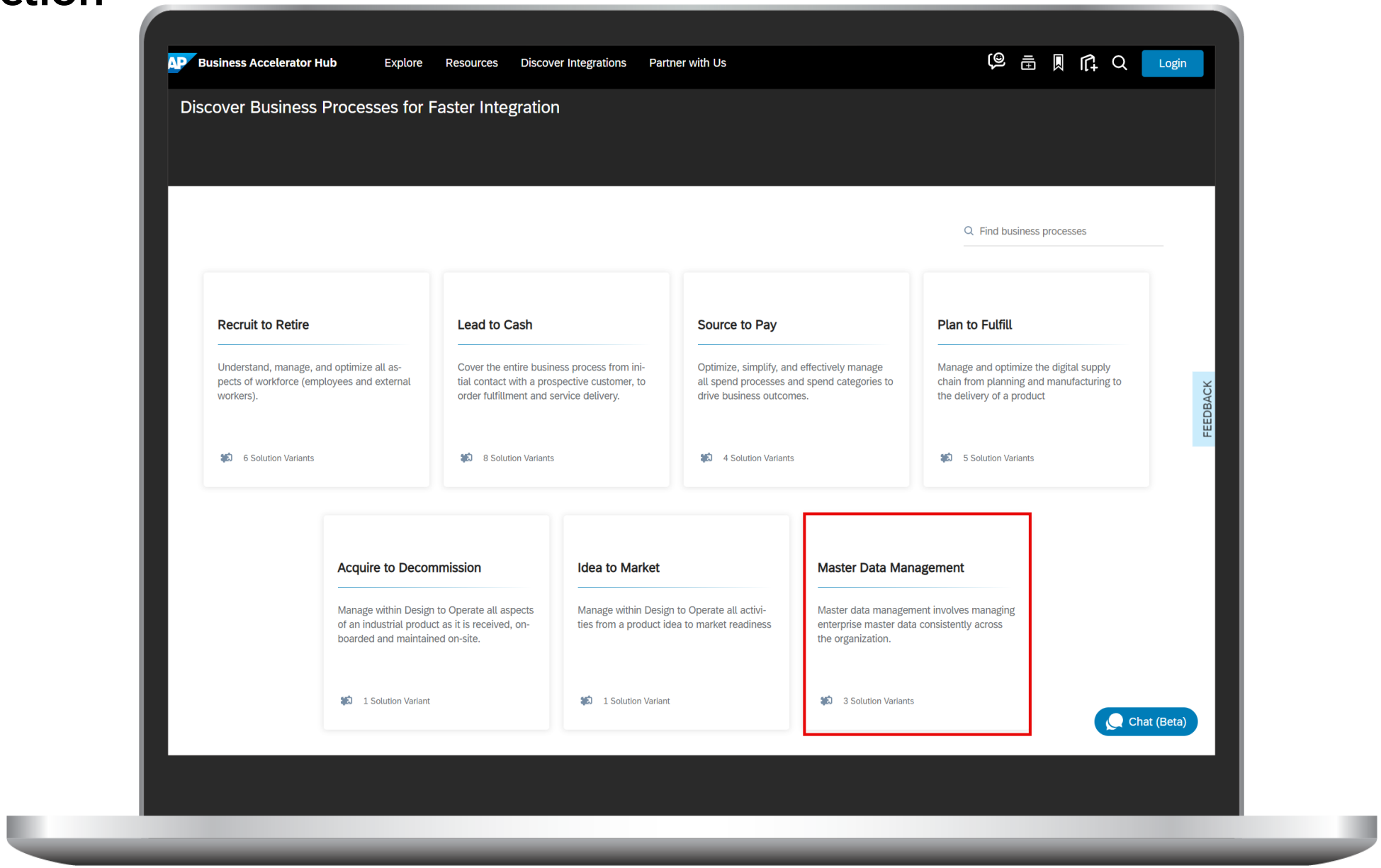


Introduction

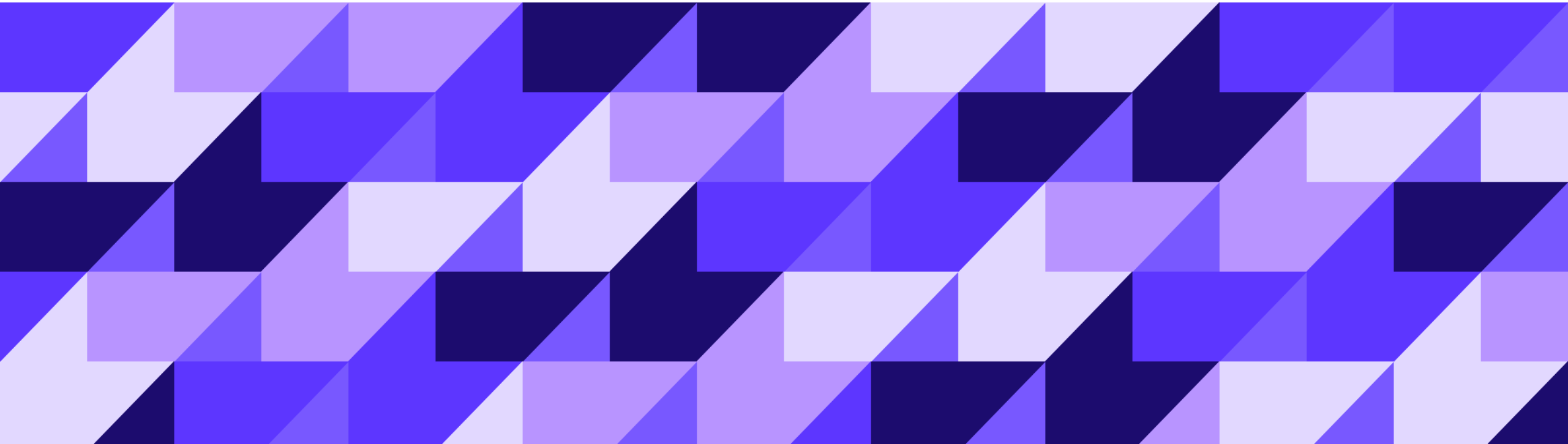
Reference Solution Architecture for SAP Master Data Governance…

- assists in exploring SAP Master Data Governance adhering to SAP EAM methodology
  - In SAP Business Accelerator Hub
  - In SAP Signavio Process Navigator
- aids in every step of the development process
  - from definition of specifications to implementation, testing, knowledge sharing

Introduction

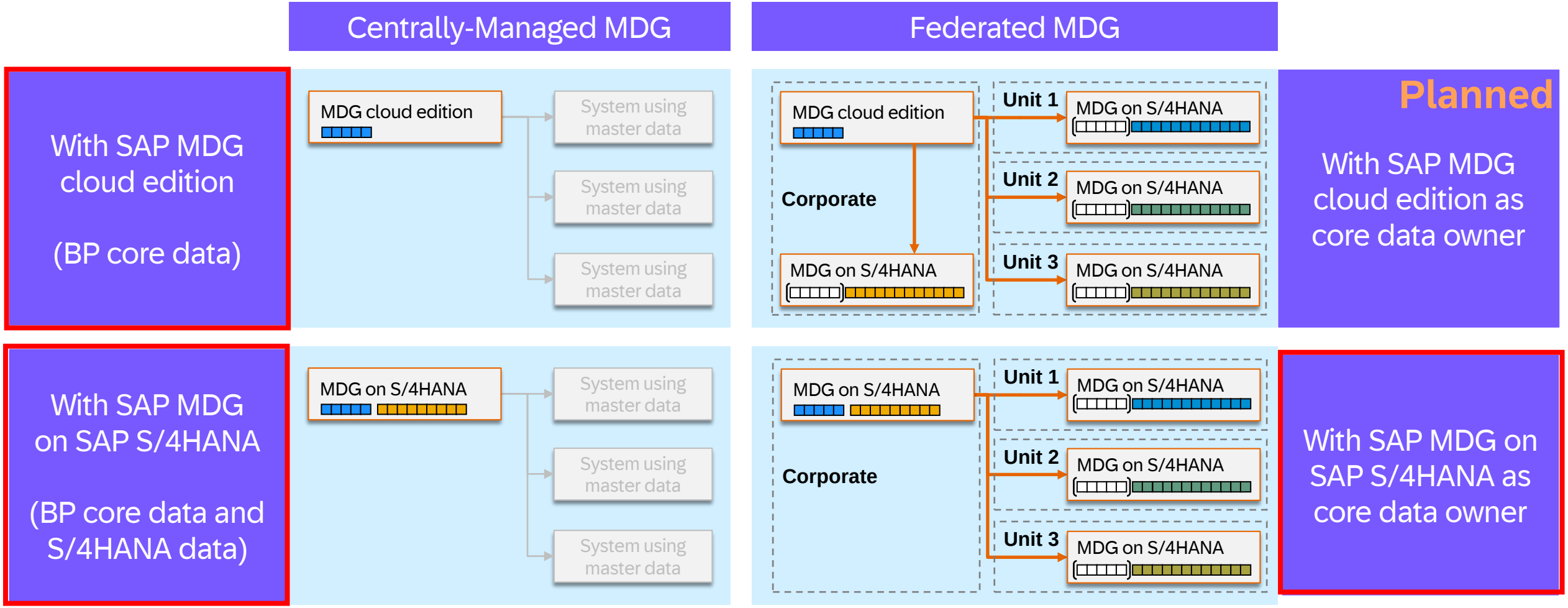


Solution Variants for Master Data Management



Options for Centrally-Managed and Federated MDG

for business partner (BP) master data



Solution Variants for Master Data Management

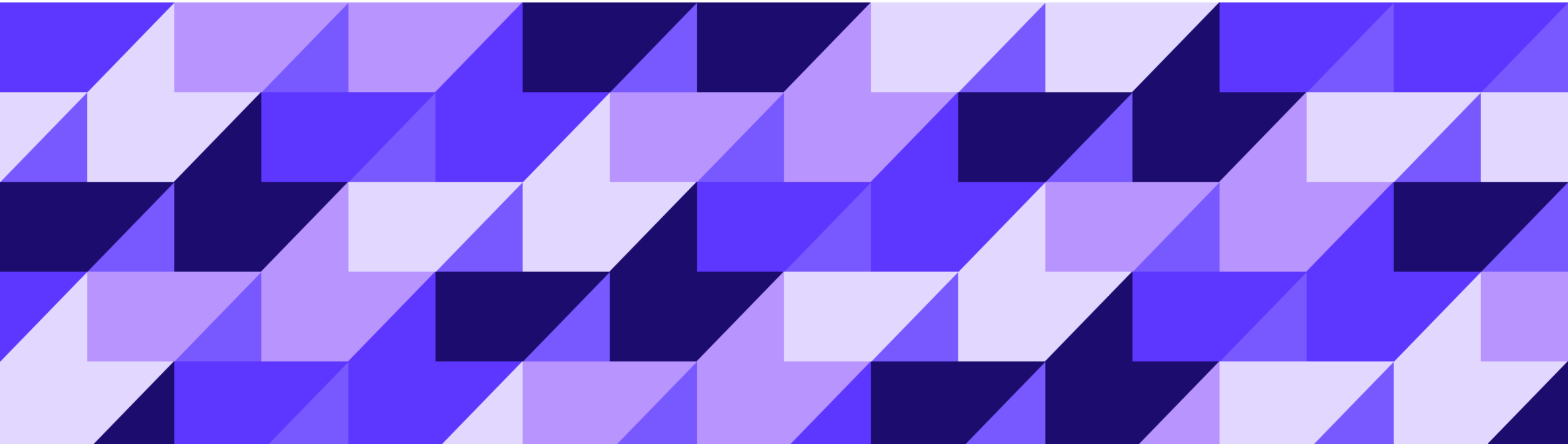
Solution variants for **SAP MDG on SAP S/4HANA 2023**

- Centrally Managed Master Data Governance on SAP S/4HANA
- Federated Master Data Governance with Core Data Owner on SAP S/4HANA

Solution variant for **SAP MDG, cloud edition 2308**

- Centrally Managed Master Data Governance in SAP MDG, cloud edition

Reference Solution Architecture Artefacts

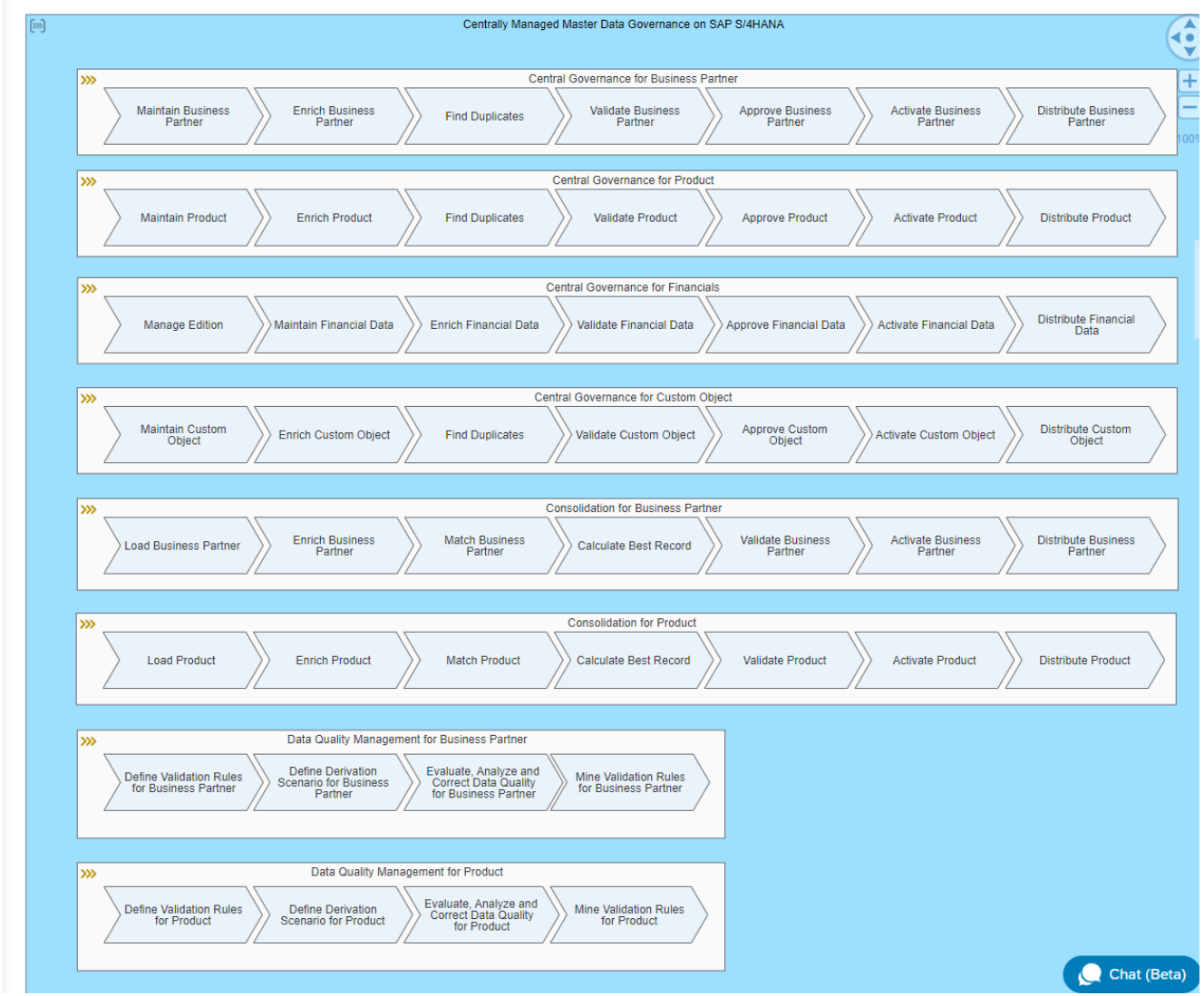


Reference Solution Architecture Artefacts

For each of the described solution variants we use the following **diagram types:**

1. Value Flow Diagram
2. Component Diagram
3. Data Flow Diagram
4. Process Flow Diagram

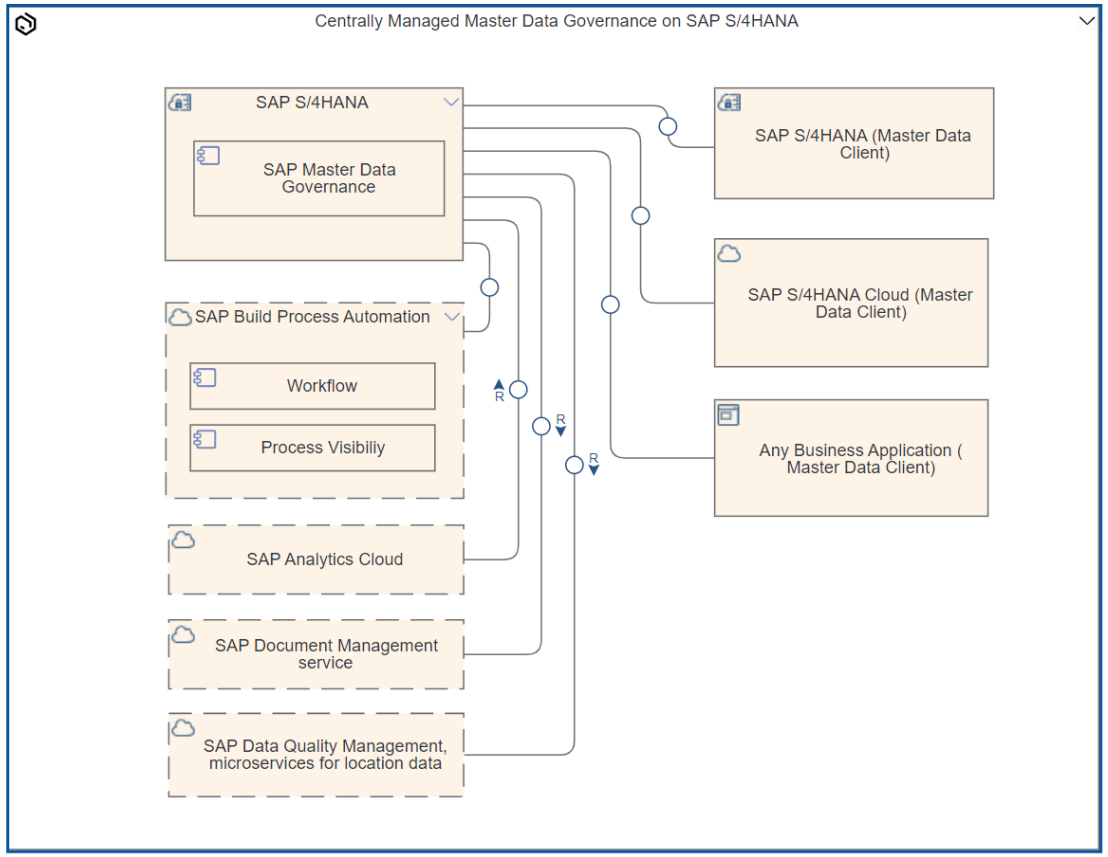
Solution Value Flow Diagram



A Solution Value Flow Diagram...

- is an **abstract representation of a solution process** focussing on **value-adding activities** and their technical implementation
- ...provides an **easy-to-understand representation** of how business process variants are realized and supported by a specific solution
- ...provides a **first overview of the process** including solution components, capabilities and associated application roles

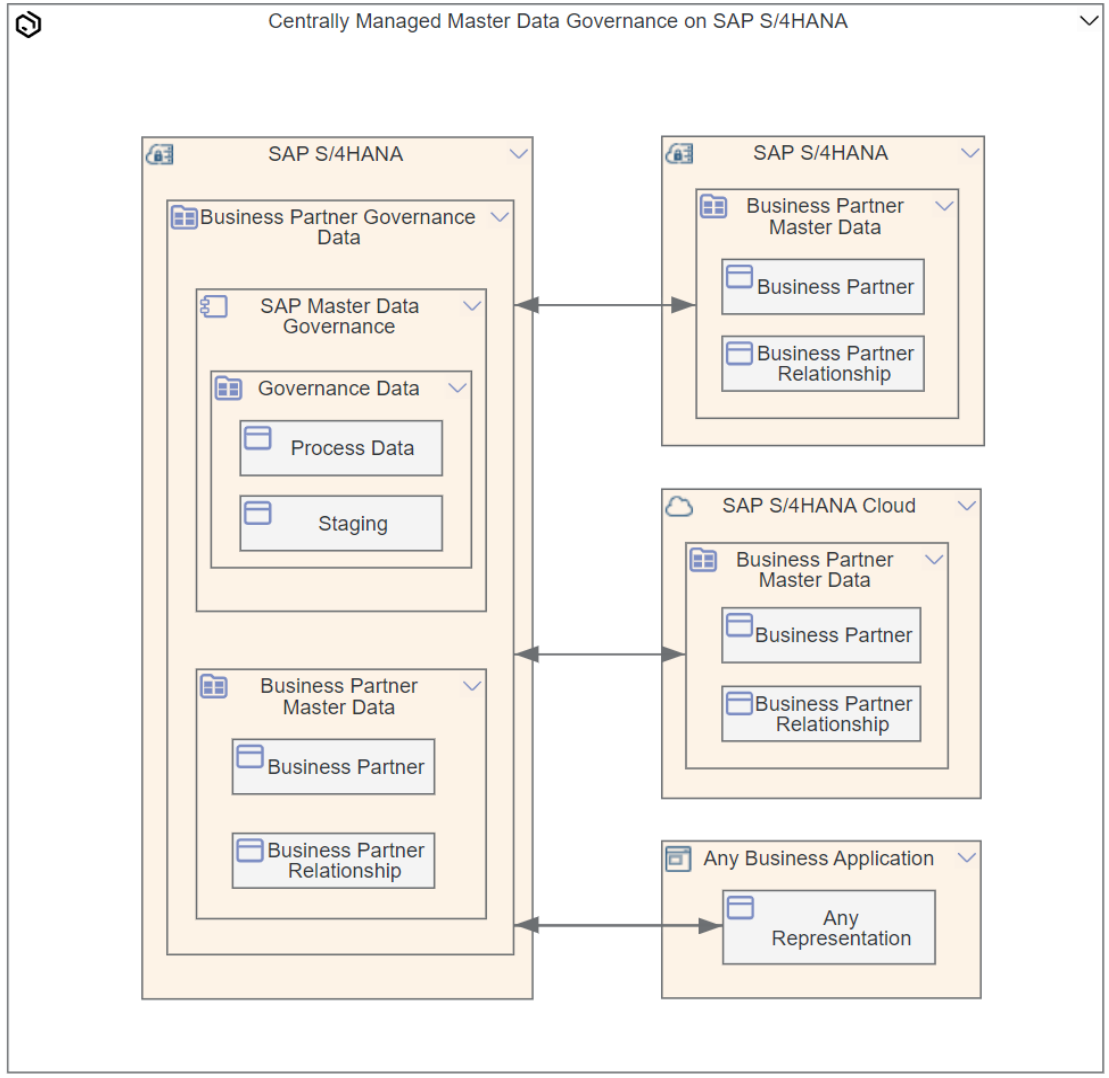
Solution Component Diagram



A Solution Component Diagram...

- is a structural component diagram that provides an **overview of a given solution variant**
- visualizes the **main solution components**, describes structural groupings and communication channels between deployment units
- provides a high-level overview of key solution components and their communication channels
- helps to understand which solution components are required and which communication scenarios must be set up.

Solution Data Flow Diagram



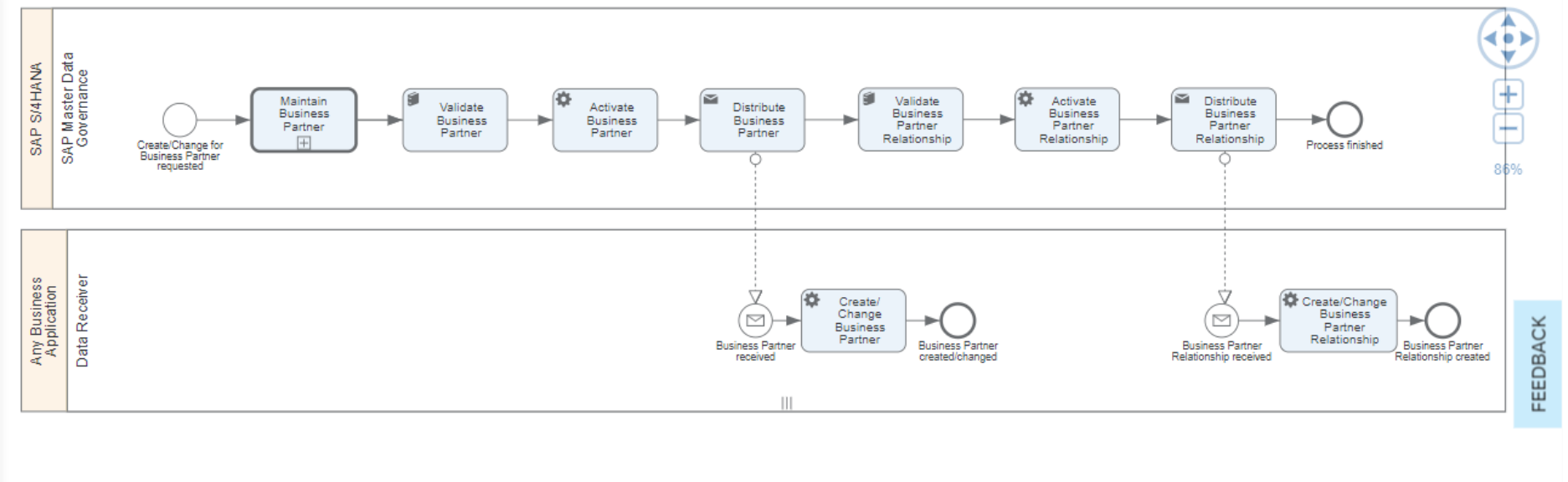
A Solution Data Flow Diagram...

- represents the **typical data flow between solution components**
- displays solution components and their implemented, integration relevant solution data objects
- show the flow of data between the system of record and subsequent solution components

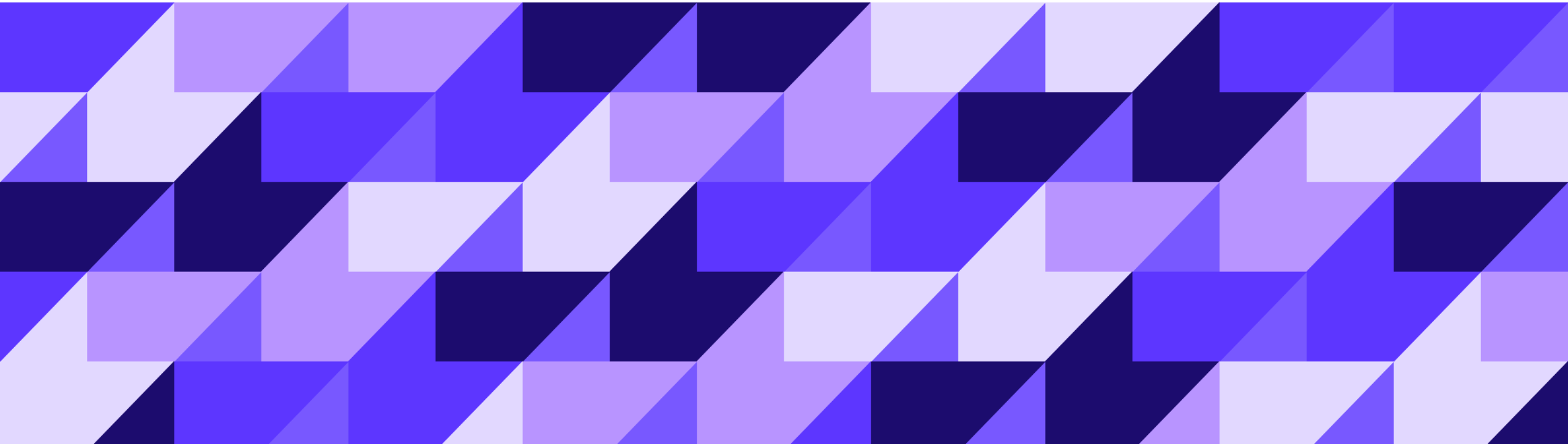
Solution Process Flow Diagram

A Solution Process Flow Diagram...

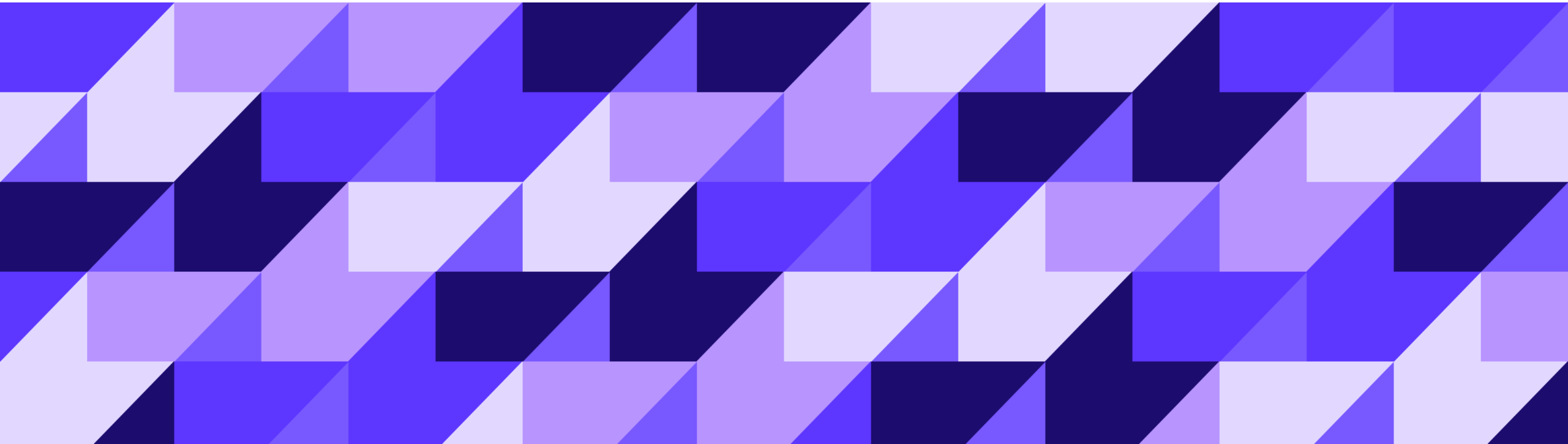
- is a behavioral diagram which **describes a concrete process flow of a solution process**
  - Each Solution Variant has several Process Flow Diagrams to explain the different possibilities to start a governance process
  - Process flows are modelled with BPMN 2.0
    - Components which are relevant for the process flow are represented in the diagram as a pool or lane
    - Each process step is placed in the component where it is executed
    - Message flows between solution components describe the integration



Demo



Additional Information
Q&A



Additional Information

Here you can find the Solution Reference Architecture for SAP MDG:

- SAP Business Accelerator Hub
  - hub.sap.com > Business Processes > Master Data Management
- SAP Signavio Process Navigator
  - me.sap.com/processnavigator > Solution Scenario > Master Data Management

We plan to extend this initial content with further releases.

Stay up to date and check out the blog post from Karin Blank

Q & A

Thank you.

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