

SAP CLOUD PLATFORM | EXTERNAL

# Business Solution Description

Master Data Process Approval and Visualization for  
cloud-ready mode in SAP Master Data Governance

# Table of Contents

Table of Contents.....	2
OVERVIEW .....	3
Business Challenge .....	3
Business Needs .....	3
Solution .....	4
Value Proposition .....	4
Artifacts (Workflow, Visibility Scenarios).....	4
Workflow.....	5
Visibility.....	5
Solution Components .....	6

# OVERVIEW

This solution document provides business-related information about the Live Process Package (LPP) Master Data Process Approval and Visualization for cloud-ready mode in SAP Master Data Governance. The document provides you with information to help you determine if this LPP is suitable for your needs.

## Business Challenge

The heterogeneity of different business units and complex system landscapes can add undue complexity to corporate Master Data Management (MDM). While core attributes can typically be harmonized across all units, application master data is diverse by nature. It is difficult to centrally harmonize all application data and translate this back to decentralized systems while making it easily comprehensible.

## Business Needs

You want leverage cloud-ready mode in MDG on SAP S/4HANA to set the right level of centralization and harmonization for effective master data management. This requires the following features:

### Governance

To provide the 4-eyes principle and involve the right people cross-organization for federation of master data governance, any master data creation/editing in cloud-ready mode in MDG requires cross-system workflow approval.

### Governance Insight

To accelerate processing, users need to stay informed about the requests they submit, understand the processing status of these requests, and follow up with other users or ask for missing approvals.

### Federated Process Monitoring

Federated MDG processes typically span multiple systems, involving users from diverse organizations. These processes require a monitoring tool to connect all distributed process together to give one big picture. End users and specialists need to understand the processing status of requests in all involved systems, to know whether/where to step in, to quickly identify root causes, and to accelerate processing.

## Solution

### Cloud-Ready Mode in SAP MDG with Federation Capability

Setting the right level of centralization and harmonization for effective master data management:

- Manage the data in the system/location it is best understood
- Manage core attributes centrally
- Manage application-specific attributes in the context of homogenous business units (as centrally as possible, as de-centrally as needed)
- Federate processes across all contributing applications, to flexibly address all corporate and business units needs

Cloud-ready mode in SAP MDG utilizes Workflow and Process Visibility from SAP Build Process Automation to provide governance functions and insight monitoring for end users.

In the process template of cloud-ready mode in SAP MDG, it is possible to configure workflow for each step. Whenever these steps are executed, a workflow is triggered to reach responsible users for further processing. For example, when there are open match groups to be reviewed after the matching step execution in a consolidation process, a workflow is triggered to inform business experts to review the matching group from their workflow inboxes.

It is possible to navigate to central Process Path visualization, from any process in the MDG system landscape. Process Path visualization provides a visual representation the processes, thereby helping users to understand the processing status. In Process Path Visualization, past and current process steps and workflow tasks are displayed in graphical views with processing time and workflow recipient details. It can also visualize federated MDG process for cross-system process monitoring.

## Value Proposition

The Live Package **Master Data Process Approval and Visualization** enables you to leverage the full power of the cloud-ready mode in SAP MDG in matters of governance and process transparency.

The live package speeds up the cloud-transformation journey and reduces the cost of ownership for your IT infrastructure.

Faster time to value and vastly increased flexibility enables a broader MDM scope,

## Artifacts (Workflow, Visibility Scenarios)

The live process **Master Data Process Approval and Visualization** enables you to approve,

confirm, and visualize cloud-ready mode MDG Processes created from an SAP S/4HANA system. It contains the following main artifacts:

## Workflow

A workflow is a set of tasks that, once completed, fulfills an organizational goal. The table below presents the list of workflows defined to support the 4-eye principle for cloud-ready mode MDG processes on SAP S/4HANA.

Workflow	Detailed Description
com.sap.mdg.wf.MDGCloudApprovalWithRework	MDG Approval with Rework
com.sap.mdg.wf.MDGCloudBasicApproval	MDG Basic Approval
com.sap.mdg.wf.MDGCloudReworkOnly	MDG Rework Only
com.sap.mdg.wf.MDGCloudReviewMatchGroups	MDG Review Match Groups

The Workflow Task UI is displayed in the Workflow Inbox to enable end users to approve and confirm tasks triggered for the workflow.

Task UI	Detailed Description
com.sap.mdg.UserTaskUI	Master Data Governance Task Processing

## Visibility

Process Visibility enables process transparency and process transformation by providing one view of a process, regardless of where it runs – SAP or non-SAP, cloud or on-premise.

The table below contains the list of visibility scenarios available to support Process Visualization for cloud-ready mode process in MDG on S/4HANA 2023.

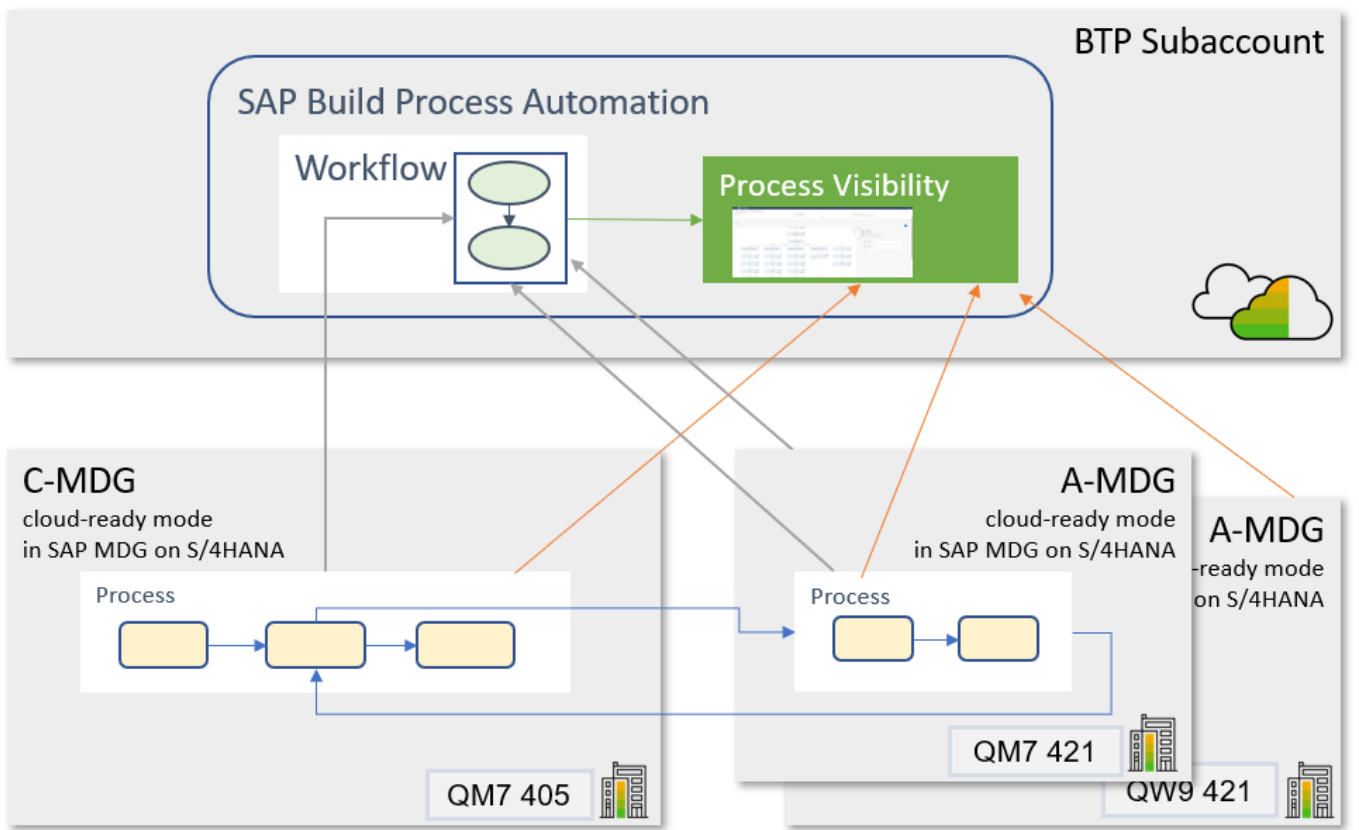
*Table 1. Visibility.*







Visibility Scenario	Detailed Description
com.sap.mdg.pv.ProcessVis	Process Path
com.sap.mdg.wf.MDGCloudApprovalWithRework	Process Path for Workflow MDG Approval with Rework
com.sap.mdg.wf.MDGCloudBasicApproval	Process Path for Workflow MDG Basic Approval
com.sap.mdg.wf.MDGCloudReworkOnly	Process Path for Workflow MDG Rework Only
com.sap.mdg.wf.MDGCloudReviewMatchGroups	Process Path for Workflow MDG Match Groups

# Solution Components

Cloud-Ready mode in MDG, integrates Workflow functions from the SAP Build Process Automation SaaS solution to provide governance functionality. All Cloud-Ready mode MDG systems in the landscape can trigger the approval workflow in the BTP tenant to involve users across the organization.

Each MDG system (cloud-ready mode) and workflow sends its progress to the Process Visibility function from SAP Build Process Automation. All information from MDG systems is combined and visualized in the central Process Visibility app, which is called the **Process Path** app in MDG terminology. The end user can navigate to and access the Process Path app.



-  MDG Process Step
-  Service Calls
-  Generic PV Event
-  BTP Workflow Step
-  Data Flow
-  Workflow Event to PV