

SAP Joint Venture Accounting **S/4HANA On-Premise Edition**

SAP SE
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CUSTOMER

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Product Management Oil&Gas



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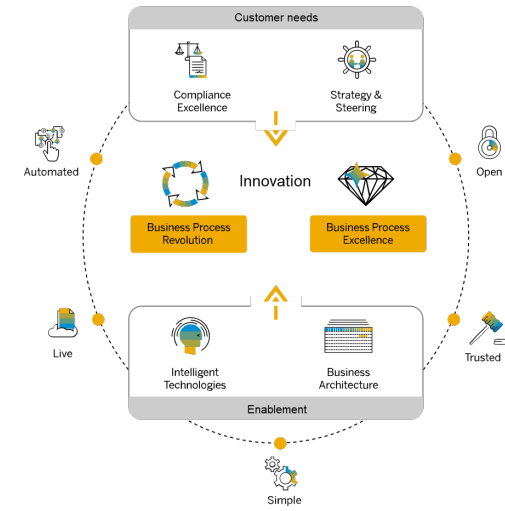
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Agenda

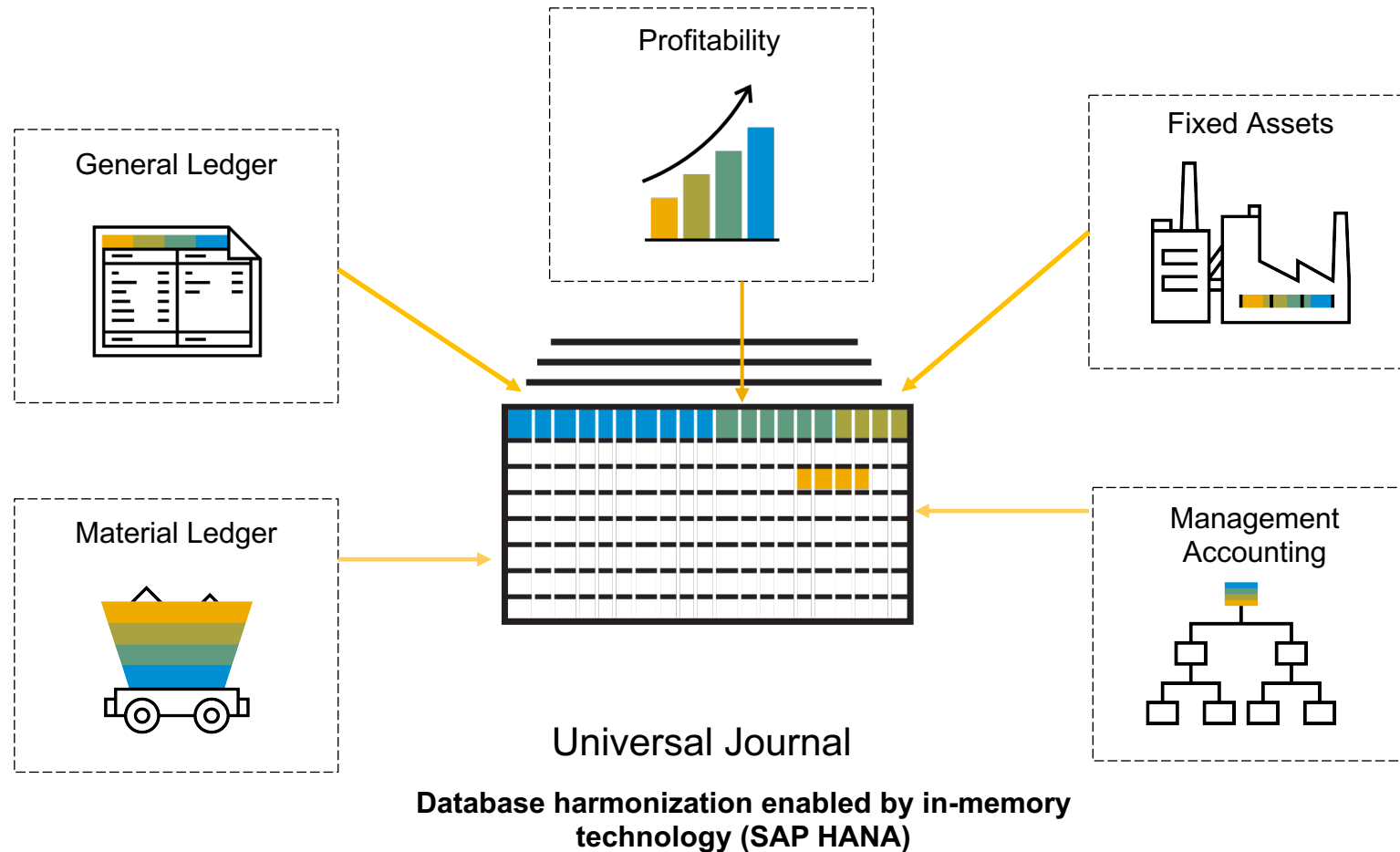
1. **S/4HANA Finance - Overview**
2. **SAP S/4HANA JVA On-Premise Edition - Roadmap**
3. **S/4HANA JVA On-Premise Edition 1909 – Innovations – JVA on ACDOCA Solution**
4. **SAP S/4HANA JVA-Central Finance Integration - Overview**

S/4HANA Finance



S/4HANA Finance On-Premise Edition

Business Architecture: Fundamental simplification in the architecture of accounting



S/4HANA Finance On-Premise Edition

S/4HANA: Universal Journal

General Ledger							
Ledger	Company	Account	Profit Center	Amount 1	Amount 2	Amount 3	...

Profitability		
Operating Concern	Market Segment	...

Management Accounting					
Controlling Area	Cost Element	Amount 1	Amount 2	Coding Block	...

Asset Accounting		
Company	Fixed Asset	...

Material Ledger		
Company	Material	...

S/4HANA 1909

JV Accounting		
Venture	Recovery Indicator	...



Universal Journal ACDOCA

S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA *

Universal Journal Single Line Item Table ACDOCA with JVA Fields

Adding JVA Fields in ACDOCA to replace the JVA Special Ledger tables

Universal Journal – JVA Fields													
Venture	EG	RI	Prod Month	Billing Month	Operations Month	Partner Venture	Partner Equity Group	Cutback Run ID	JVIND	Sender RI	Orig Account	Orig Cost Object

Billing Indicator is a field in ACDOCA now

New Data Model Adaption

- Actual (i.e. Cash Call, JV Funding)
- Month End (i.e. Cutback, Equity Change, Equity Adjustment, Farm In/Out)
- Billing (Invoice and Expenditure Detail Extract and Hardcopy Billing)
- Reporting (i.e. CDS View based JVA line item reporting Fiori app)

* This is the current state of planning and may be changed by SAP at any time without notice.

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

Universal Journal Single Line Item Table ACDOCA with JVA Fields

Universal Journal (incl. Summary and Billing Ledger Fields)				
Field	Data Element	D.Type	Length	Description
VNAME	JV_NAME	CHAR	6	Joint Venture
EGRUP	JV_EGROUP	CHAR	3	Equity Group
RECID	JV_RECIND	CHAR	2	Recovery Indicator
VPTNR	JV_PART	CHAR	10	Partner Account Number
BTYPE	JV_BILIND	CHAR	2	Billing Indicator
ETYPE	JV_ETYPE	CHAR	3	Equity Type
PRODPER	JV_PRODPER	DATS	8	Production Month (Date to find period and year)
BILLM	JV_BILLM	DATS	8	Billing Month
POM	JV_POM	DATS	8	Processing operational month
CBRUNID	JV_CBRUNID	DEC	21	Cutback Run ID (Joint Venture Accounting)
JVACTIVITY	JV_ACTIVITY	CHAR	2	JVA Activity (Joint Venture Accounting)
PVNAME	JV_PVNAME	CHAR	6	Partner Venture (Joint Venture Accounting)
PEGRUP	JV_PEGROUP	CHAR	3	Partner Equity Group (Joint Venture Accounting)
S_RECIND	JV_SRECIND	CHAR	2	Allocation: Sender Credit Recovery Indicator
CBRACCT	JV_CBRACCT	CHAR	10	Cutback Account (Joint Venture Accounting)
CBOBJNR	JV_CBOBJNR	CHAR	22	Cutback Cost Object (Joint Venture Accounting)

S/4HANA JVA On-Premise Edition

Roadmap

Joint Venture Accounting

Key Business Processes

Operator's View

Venture Sourcing

- Accounts Payable
- GR/IR
- Open Item & Clearing

Venture Funding

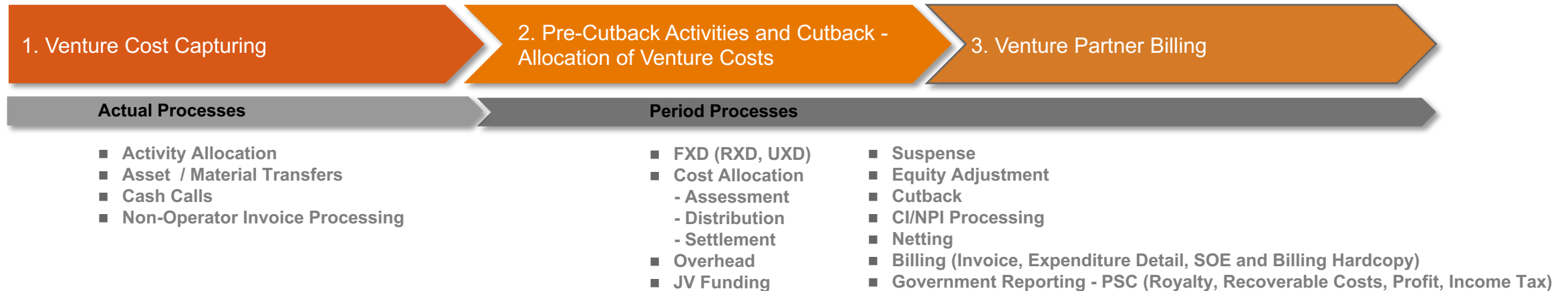
- Accounts Receivable
- Treasury & Banking
- Project Budgeting
- AFE Process

Master Data Management

- JVA MD
- FI, CO, PS MD

Accounting Approach Configuration

- Billing Basis
- Operator as Partner
- Operator Oriented

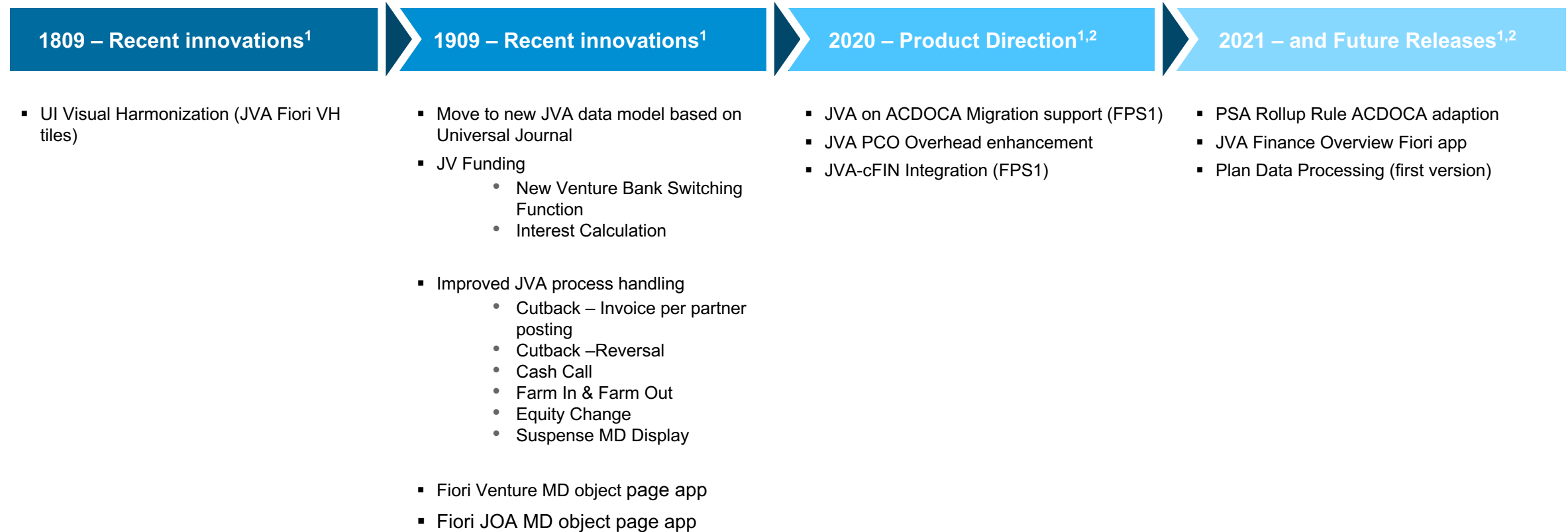


Finance Month End Process (FI /CO and JVA)



SAP S/4HANA JVA On-Premise edition – JVA on ACDOCA

Product road map overview – Key innovations

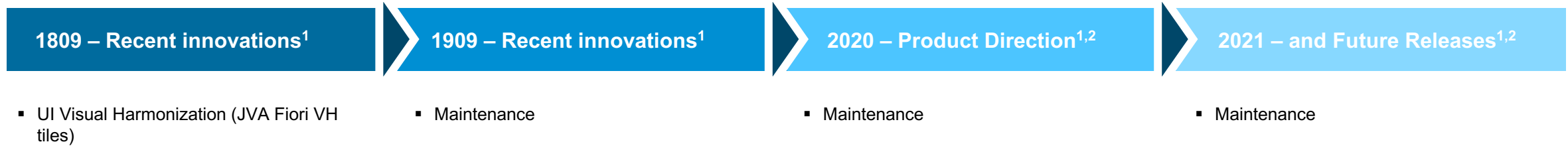


1. This is the current state of planning and may be changed by SAP at any time without notice, 2. Since release 2020 the release numbering schema has been changed and consists now only the year. Release is planned in Q3

SAP S/4HANA JVA On-Premise edition – JVA on Special Ledger (classic)

Product road map overview

Lab Preview



1. This is the current state of planning and may be changed by SAP at any time without notice, 2. Since release 2020 the release numbering schema has been changed and consists now only the year. Release is planned in Q3

S/4HANA JVA On-Premise Edition

Processes & Innovations

for JVA on ACDOCA

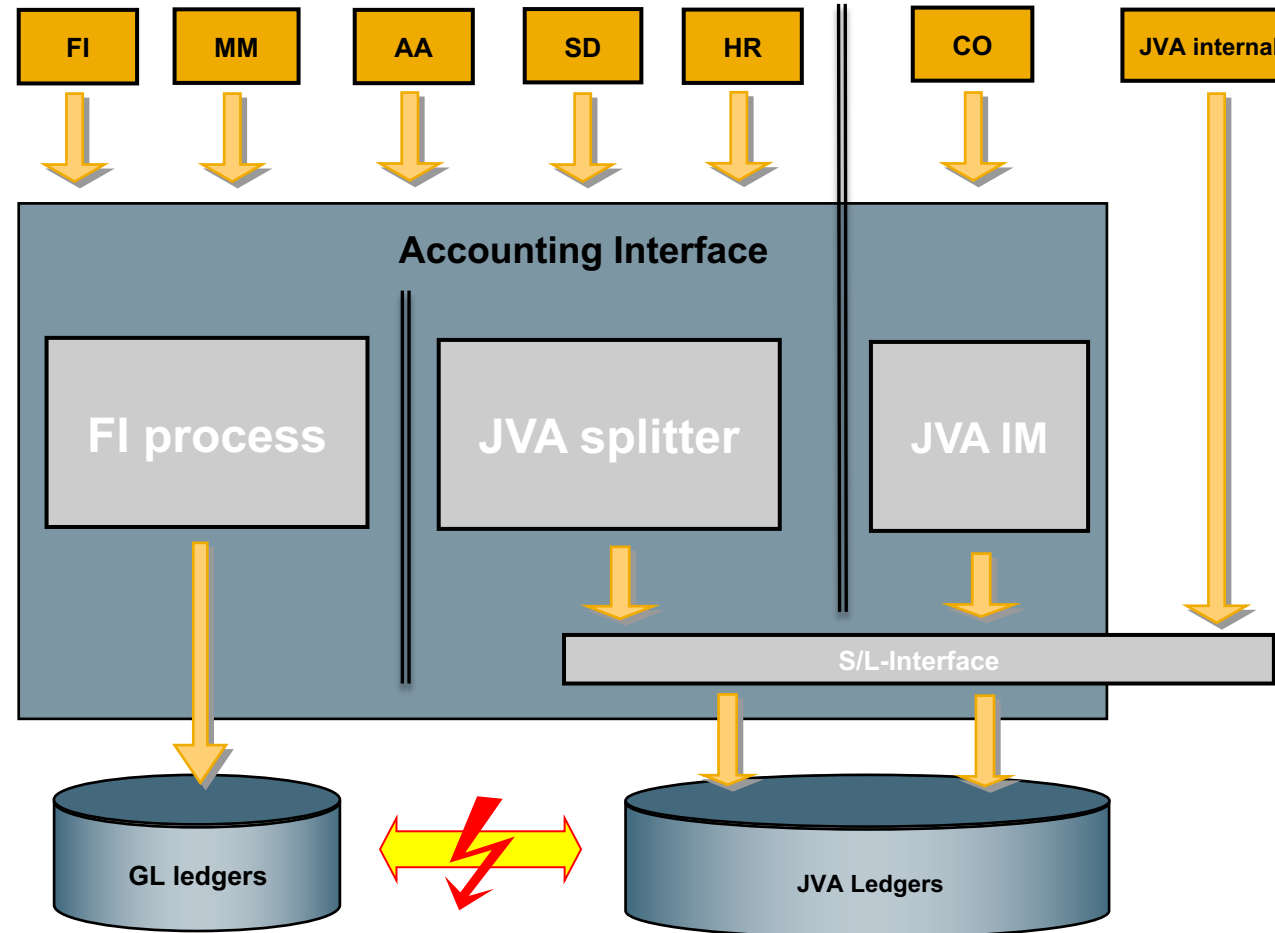
S/4HANA JVA On-Premise edition 1809 and prior releases (e.g. ECC6 etc..)

Classic JVA data workflow in ERP based on Special Ledgers without Finance integration

Document Split in JVA (Integration Manager)

2 sources of true for reporting

- Finance
- JVA



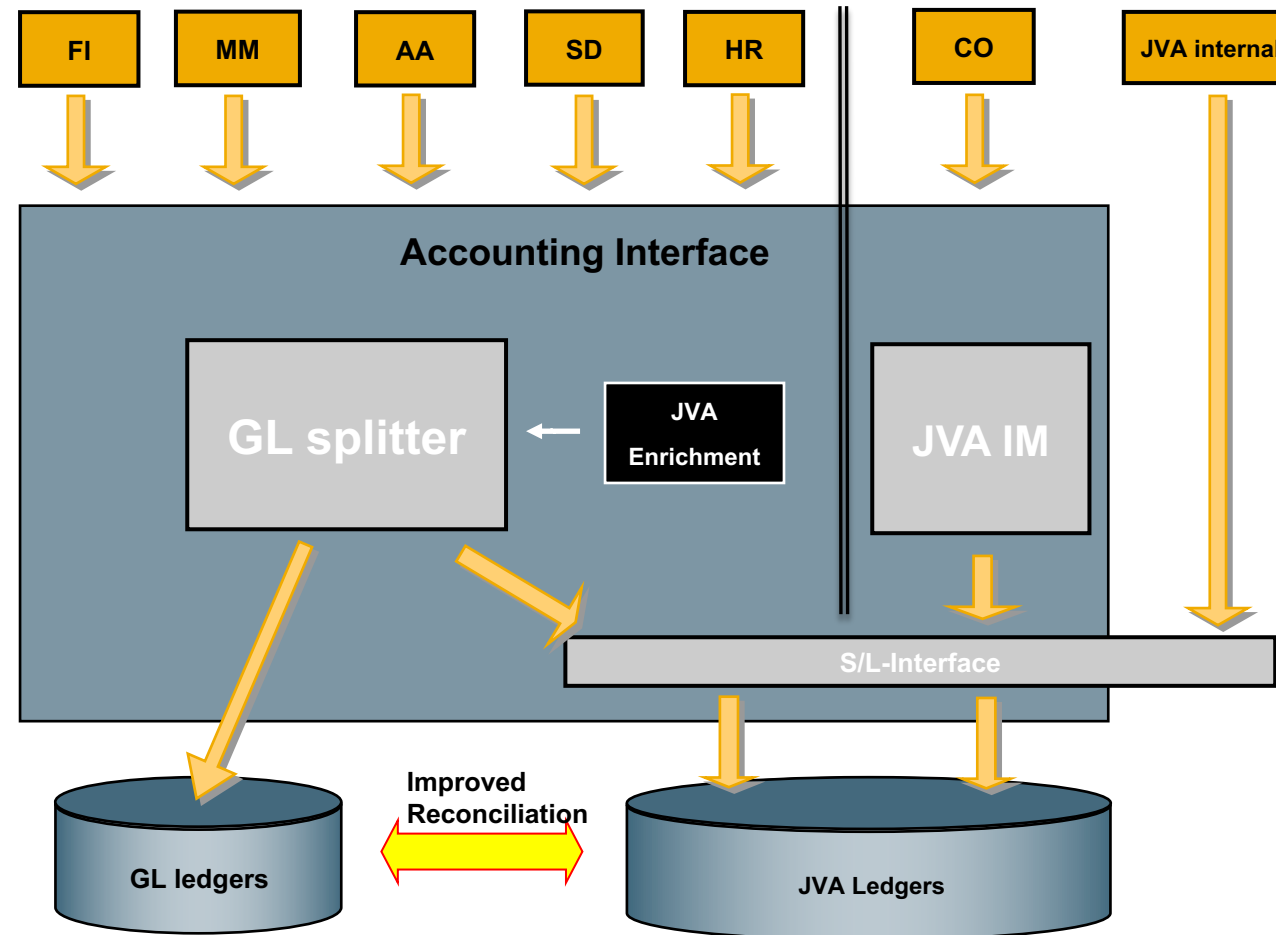
S/4HANA JVA On-Premise edition 1809 and prior releases (e.g. ECC6 EhP6 etc..)

JVA data in ERP with NewGL-JVA integration based on Special Ledger data model

Document Split in FI-GL

2 sources of true for reporting

- Finance
- JVA



Switchframework:

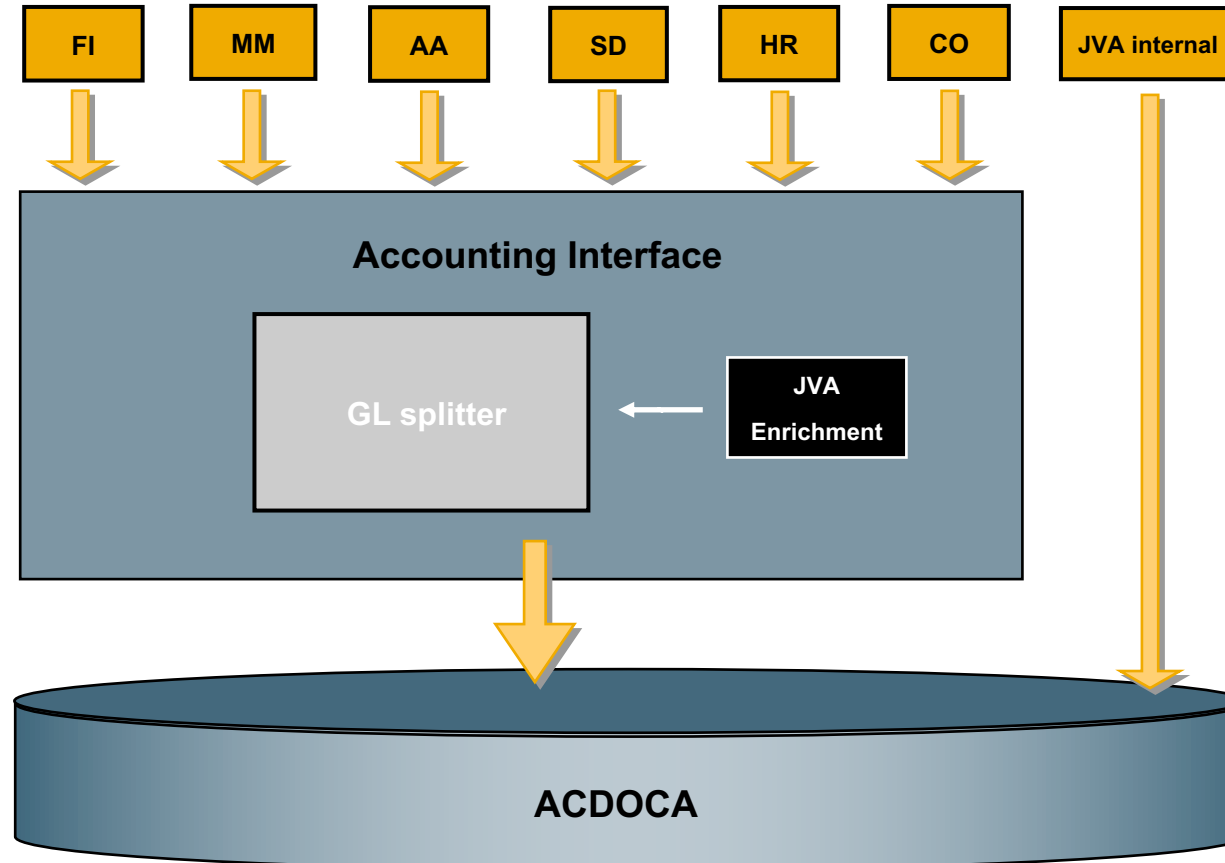
- JVA BF
- JVA-NewGL BF

Improvement:

- FI document for JVA internal documents
- GJ90 for RXD is replaced by CO-FI reconciliation
- GJ91 for UXD and GJNO for B/S valuation are replaced by FAGL_FC_VAL

S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

JVA on ACDOCA data flow



Document Split in Finance

1 single source of true for Finance and JVA reporting

Result:
1 single finance document split by Venture and EG

Note: SL data model will be still supported with release 1909 if customers does not use JVA on ACDOCA (JVA UJE Business Function).

The FI-GL document split is mandatory for the JVA UJE Business Function in 1909.

S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

FI General Ledger Document Split According JVA Splitting & Derivation Rules

Example, KR Document with 3 ventures, Operator Oriented and cash based billing

KR document, **entry view** (BSEG view)

CoC.	Item	PK	SG	Account	Description	DocumentNo	Cost Center	WBS Element	Venture	EGr	RI	BI	Prod. Month	Partner	Tx	Amount	Curr.
U100	1	31		100010	Walldorf Management Servi	1900000123							000000		VO	100.000,00	EUR
	2	40		420000	Direct labor costs	1900000123	CC_JV0303		JV1003	EXP	BI		000000		VO	20.000,00	EUR
	3	40		420000	Direct labor costs	1900000123	CC_JV1004		JV1004	EXP	BI		000000		VO	20.000,00	EUR
	4	40		420000	Direct labor costs	1900000123	CC_JV1005		JV1005	EXP	BI		000000		VO	60.000,00	EUR

KR document, **General Ledger view** (Venture document view)

CoC.	Item	L.Item	PK	SG	Account	Description	DocumentNo	Cost Center	WBS Element	Venture	EGr	RI	BI	Prod. Month	Partner	Tx	Amount	Curr.
U100	1	000001	31		160000	AP-domestic	1900000123	CC_JV0303		JV1003	EXP	BI		000000		VO	20.000,00	EUR
	1	000002	31		160000	AP-domestic	1900000123	CC_JV1004		JV1004	EXP	BI		000000		VO	20.000,00	EUR
	1	000003	31		160000	AP-domestic	1900000123	CC_JV1005		JV1005	EXP	BI		000000		VO	60.000,00	EUR
	2	000004	40		420000	Direct labor costs	1900000123	CC_JV0303		JV1003	EXP	BI		000000		VO	20.000,00	EUR
	3	000005	40		420000	Direct labor costs	1900000123	CC_JV1004		JV1004	EXP	BI		000000		VO	20.000,00	EUR
	4	000006	40		420000	Direct labor costs	1900000123	CC_JV1005		JV1005	EXP	BI		000000		VO	60.000,00	EUR

SAP S/4HANA JVA On-Premise Edition 1909 - JVA on ACDOCA

Changed JVA Processes

- JVA Special Ledger fields are replaced by the Universal Journal ACDOCA table
 - Thus the JVA Reporting and Partner billing are done out of the ACDOCA table (except for JVA plan data).
 - 100% reconciliation between CO, FI and JVA
- **JVA Document Split (JVA Integration Manager)**
 - is replaced by Finance document split (Venture and EG are becoming a mandatory split characteristic)
 - thus the venture document is replaced by finance document with split line item by Venture and EG
- **JVA internal postings** are updating Finance and generates Finance documents
- **FXD**
 - RXD replaced by FI-CO integration and Venture document split (by Venture and EG) in Finance
 - UXD and B/S Item Valuation replaced by standard Finance UXD program
- **JVA Bank Switching**
 - replaced by JV Funding
 - enhanced by Interest calculation for interventure liabilities

SAP S/4HANA JVA On-Premise Edition 1909 - JVA on ACDOCA

Changed JVA Processes

- **JVA Advance Tax Return (GJVA)** replaced by standard Finance ATR solution
- **JVA JADE Audit Report** is replaced by SAP ACR (Audit & Compliance Report) solution
- **JVA Special Ledger Reports** are replaced by Fiori Design Studio Reports
- **New Billing Extract** tables (transparent tables)
- **IMG Cutback Mapping** is replaced by MD program / VH tiles
- **IMG MM-Valuation Area** Integration is replaced by MD program / VH tiles

S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

Deployment Options:

With S/4HANA 1909 customers have several deployment options:

- Option 1** JVA classic with SL (document split in JVA and recorded in JVA SL)

- Option 2** JVA classic with SL and JVA-NewGL integration (document split in Finance but venture document is recorded in JVA SL)

- Option 3** JVA on ACDOCA (document split in Finance and Finance document is recorded in ACDOCA - split by VENTURE and Equity Group)

Option 2 and 3 may require document migration for historical data!

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

Simplification & Innovation for Joint Venture Accounting on Universal Journal*

- Attachment Service for Venture and JOA MD

Joint Venture Master: Display

Create Attachment
Attachment list

Company Code: Oil CompCode Europe (NL)

Joint Oper.Agr: Alder field - JOA 1

Joint Venture:

Venture Class: Operated ventures

Venture Type: Operated (no tax)

Basic Data | Equity Types/Equity Assignm | Equity Groups | PCO | Burden Rate % | History

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

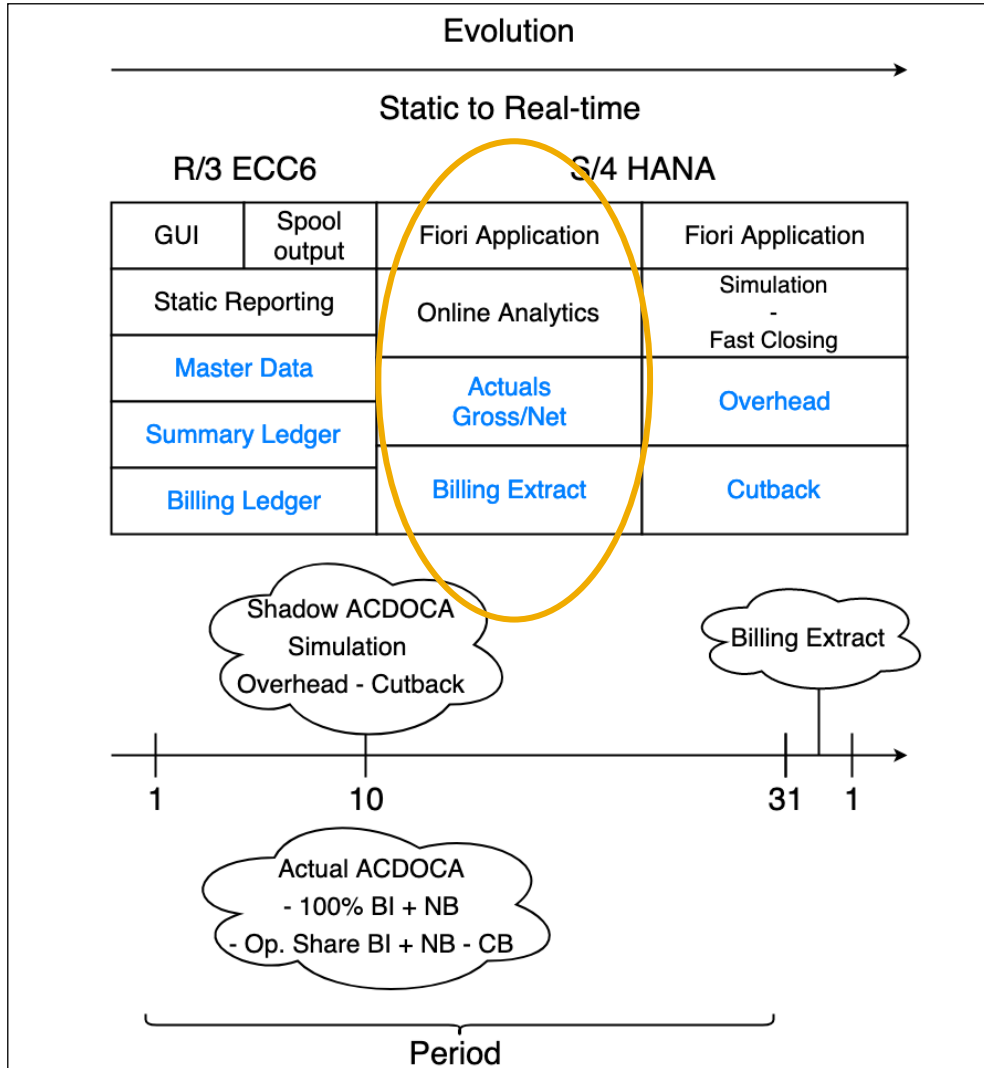
S/4HANA JVA Fiori Launchpad - Overview

The screenshot displays the SAP Fiori Launchpad interface for JVA Reporting. The top navigation bar includes the SAP logo and a 'Home' dropdown menu. Below the navigation bar, there are five tabs: 'JVA Master Data', 'JVA Reporting', 'JVA Month End Processes', 'Advanced Compliance Reporting', and 'JVA Actual Posting'. The 'JVA Reporting' tab is currently selected. The main content area is a grid of 23 tiles, each representing a different JVA function. The tiles are arranged in three rows. The first row contains seven tiles: 'Maintain JV Partners', 'Maintain Joint Operating Agreement', 'Maintain Joint Venture', 'Suspend Cost Centers', 'Suspend Ventures', 'Suspend Projects', and 'Manage Drilling Statistical Ratios'. The second row contains seven tiles: 'Manage Producing Statistical Ratios', 'Display Joint Ventures' (highlighted with a dotted border), 'Account Mapping Intracompany', 'Cost Center Mapping Intracompany', 'WBS Mapping Intracompany', 'Account Mapping Intercompany', and 'Cost Center Mapping Intercompany'. The third row contains four tiles: 'WBS Mapping Intercompany', 'Display Joint Operating Agreement', 'Suspended Objects Display Report', and 'JV valuation area'. The bottom left corner of the grid is labeled 'JVA Reporting'.

SAP S/4HANA JVA On-Premise Edition 1909 and future releases *

Upstream Accounting – Online Reporting and Analytics for JVA on ACDOCA

SAP LABS



SAP Fiori Design Studio Apps & Object Page App JVA Reporting by Period, Year to Date and ITD 1909

Master Data** <small>Object Page</small>	Transaction** <small>DS5</small>	Controlling* <small>DS5 w/o ITD</small>
<ul style="list-style-type: none"> - Venture Details - JOA Details 	<ul style="list-style-type: none"> - Venture Gross/Net - Billing by Venture, Equity Group and Partner, BI - Remaining Cutback 	<ul style="list-style-type: none"> - Actual / Actual - Cost Centers - Internal Order - WBS
		<ul style="list-style-type: none"> - Actual / Plan - Cost Centers - Internal Order - WBS

Online Analytics Fiori App*:

Data research, comparison between billing extract and actual data – including drilldown

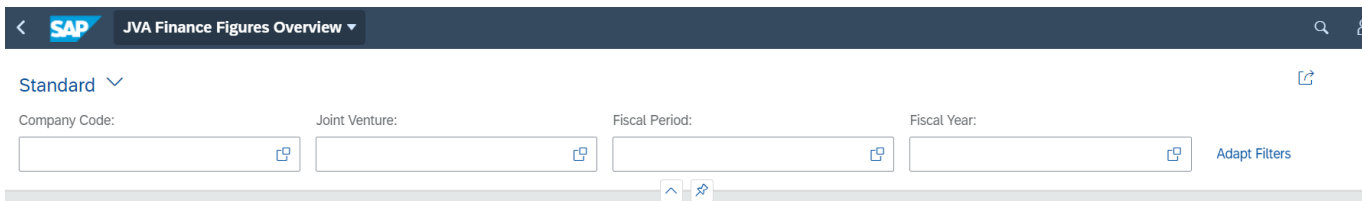
Example Use Case:

- JIB Partner Dispute Analyse
- Transparency on billing data and not yet invoiced billable data

SAP S/4HANA JVA On-Premise Edition 2021 – JVA on ACDOCA

S/4HANA Fiori Launchpad – Joint Venture Accounting Financial Overview Fiori app (planned for release S/4HANA 2021)

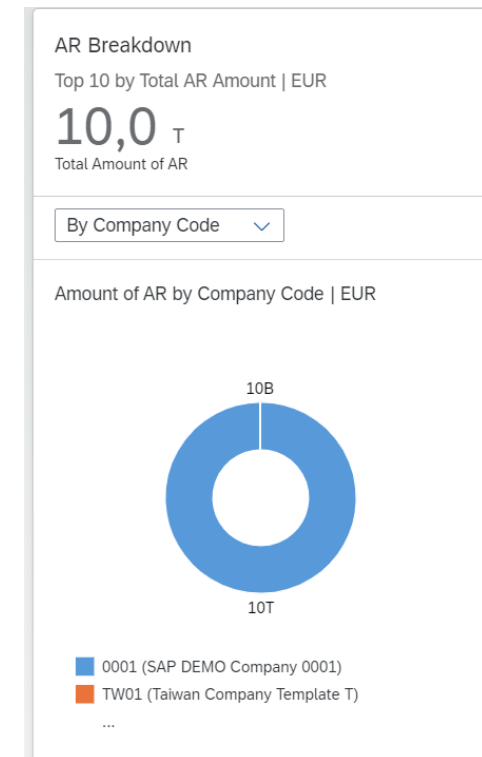
1. Global Filter for all the cards



2. Global Filter for all the cards



3. Global Filter for all the cards



SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

S/4HANA JVA Fiori Tile – Example Reporting - Venture Expenses

JVA Reporting

- Venture Expenses
- Partner Net by Cost Object
- Gross Non-Operated by Cost Object
- Remaining Cutback
- Partner Billing Report

SAP Venture Expenses

Search Bar Filters (1) Go

To show filters here, add them to the filter bar in Filters

DIMENSIONS		COLUMNS		Company Code	Company Code	Joint Venture	Cost Center	G/L Account	Company Code C	Cur Perd Amt Trans Crncy	YTD Amt Trans Crncy	ITD Amt Trans Crncy	Cur Perd Amt CC	YTD Amt Comp.
> Measures	Measures									7.500,00 EUR	7.500,00 EUR	7.500,00 EUR	7.500,00 EUR	7
Asset Subnumber										0,00 EUR	-14.920,00 EUR	-14.920,00 EUR	0,00 EUR	-14
Ast Transaction Ty...										171.504,50 EUR	74.748,28 EUR	74.748,28 EUR	171.504,50 EUR	74
Balance Trans Crncy										512,00 EUR	44.922,00 EUR	44.922,00 EUR	512,00 EUR	44
Base Unit of Meas...										-4.446,75 EUR			-4.446,75 EUR	-2
Business Area										\$ 0,00	\$ -42.000,00	\$ -42.000,00	0,00 EUR	-38
Company Code										-5.882,28 EUR	32.250,16 EUR	32.250,16 EUR	-5.882,28 EUR	32
Company Code Cr...										0,00 EUR	666,00 EUR	666,00 EUR	0,00 EUR	
Controlling Area										22.580,68 EUR	156.476,06 EUR	156.476,06 EUR	22.580,68 EUR	156
Cost Center										-16.698,40 EUR	-160.954,22 EUR	-160.954,22 EUR	-16.698,40 EUR	-160
Debit/Credit Code													310.989,36 EUR	408
Fixed Asset										0,00 EUR	506,39 EUR	506,39 EUR	0,00 EUR	
Free Defined Crncy 1										-49.240,00 EUR			-49.240,00 EUR	-154
Free Defined Crncy 2													25.210,10 EUR	21
Free Defined Crncy 3	ROWS									0,00 EUR	-877,00 EUR	-877,00 EUR	0,00 EUR	-
Free Defined Crncy 4	Company Code	U100	Oil CompCode Europe (NL)	JV1011						44.732,28 EUR			44.732,28 EUR	237
Free Defined Crncy 5	Joint Venture									-39.526,50 EUR	-33.643,50 EUR	-33.643,50 EUR	-39.526,50 EUR	-33
Free Defined Crncy 6	Cost Center									420000			-13.500,00 EUR	-1
Free Defined Crncy 7	G/L Account									471000			-232.415,30 EUR	-143
Free Defined Crncy 8	Company Code Crncy									472000			-65.297,05 EUR	-43
G/L Account										475000			-26.770,30 EUR	-17
Global Currency										490100			-1.350,00 EUR	-1
Joint Venture										490101			0,00 EUR	
Joint Venture Billi...										167000			0,00 EUR	
Joint Venture Cost...										471000			0,00 EUR	2
Joint Venture Equi...										113100			6.880,00 EUR	-11
Joint Venture Equi...										113101			32.676,00 EUR	-142
Joint Venture Part...										113109			-13.734,40 EUR	-32
										147010			0,00 EUR	
										147020			0,00 EUR	
										147999			-2.131,20 EUR	-2
										160000			0,00 EUR	
										160999			-11.913,60 EUR	9
										167000			0,00 EUR	-5

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

JVA Fiori Venture MD Display Object Page

17101 OPERATED JOINT VENTURE

Company Code: 1710 (Company Code 1710) Venture Class: Operated Venture Status:
 Joint Operating Agreement: 17101 Venture Type: Operated venture **Active**

Basic Data Equity Types Equity Groups Cost Centers WBS Elements Orders Burden Rate Percent

Basic Information

Posting Information:
Posting Method

Terms of Payment:

Operator:

Billing Extract Method:
Based on current month data

Funding Group:

Controlling Area:
A000 (Controlling Area A000)

Venture Suspense Information

Suspense Flag:

Suspended Period:

Suspended Year:

Unsuspend Flag:

Unsuspend Period:

Unsuspend Year:

Log Information

Created By:
[SAP System Processing](#)

Created On:
03/15/2019, 08:57:23

Changed By:
[Ani Petrova](#)

Chan: **17101** OPERATED JOINT VENTURE
05/16

Basic Data Equity Types Equity Groups Cost Centers WBS Elements Orders Burden Rate Percent

Joint Venture Equity Groups (3)

Equity Group	Operated Share (%)	Non Operated Share (%)	Suspense
DEV (Development)	80.000000	0.000000	>
EXP (Exploration)	70.000000	0.000000	>
PRD (Production)	80.000000	0.000000	>

Cost Centers

Cost Center	Valid To	Recovery Indicator	Equity Type	Object Type	JIB/JIBE Class	JIB/JIBE Subclass A	Suspense
17108051 (Migration 05)	12/31/2025	Adjustment 1	Equity Type 1 (1)	OPEX	AREA ACQUISITION (C00)	General Acquisition costs (00090)	
17108053	12/31/2025	Adjustment 1	Equity Type 1 (1)	OPEX	AREA ACQUISITION (C00)	General Acquisition costs (00090)	
17108054	12/31/2025	Adjustment 1	Equity Type 1 (1)	OPEX	AREA ACQUISITION (C00)	General Acquisition costs (00090)	
17108055	12/31/2025	Adjustment 1	Equity Type 1 (1)	OPEX	AREA ACQUISITION (C00)	General Acquisition costs (00090)	

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

JVA Fiori Joint Operating Agreement MD Display Object Page

Standard *
Not Filtered

Joint Operating Agreements (95)

Joint Operating Agreement	Company Code	JOA Class	Contract Number	Created By
JA1003 Operated JOA Test Ani	U100 (Oil CompCode Europe (NL))	01 (Operated JOA)		PETROVAAN
JA1004 Operated JOA Test 2 Ani	U100 (Oil CompCode Europe (NL))	01 (Operated JOA)		PETROVAAN
JA1011 Alder field - JOA 1	U100 (Oil CompCode Europe (NL))	01 (Operated JOA)		CAOCH

[JA1012](#)
Alder field

[JA1013](#)
Alder field

[JA1015](#)
Operated

[JA1021](#)
Birch Field

Equity Groups **General Overhead** Payroll Burden Carried Interest Penalties

Producing Ratio

Statistical Producing Ratios (3)

Producing Statistical Ratio	From Depth	To Depth	Sequence Number	Threshold Wells	Producing Rate
WELL	0,0000	0,0000	1	1	750,000
WELL	0,0000	0,0000	2	6	500,000
WELL	0,0000	0,0000	3	11	250,000

Drilling Ratio

Statistical Drilling Ratios (1)

Drilling Statistical Ratio	Drilling Rate	Monthly Rate	From Depth	To Depth
DRLDAY	20,000	Yes	0,0000	0,0000

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

JV Funding – Inter-Venture Liability is replacing Venture Bank Switching GJ20

The JV Funding program consists of following features:

1. Data capture (automated process for the Reimbursement-Select feature)
- 2. Reimbursement**
 1. Select
 2. Post
 3. Reverse
 4. Reporting
- 3. Interest calculation**
 1. Post
 2. Reverse
 3. Reporting

The Reimbursement and Interest Calculation feature is assigned to the S/4HANA Cloud Job Scheduler, for managing your jobs that run either only once, or on recurring schedules. A job is a collection of schedules with an action endpoint.

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

Venture Funding – Corporate Pay by Corporate Bank- Use Case **Norway**

Use Case: Corporate Pay

Determine Venture liabilities (Funding Run) and Reimburse Venture liabilities

Example:

1. **Vendor Invoice** KR document with RI BI 1000 USD for operated venture on **November 8th (FG1)**
2. **Vendor KR Document Payment** from corporate bank account on **December 6th**
3. **JV Funding–Reimbursement Posting** from sending operated venture to receiving Corporate Venture on **December 19th**
4. **Reporting**

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

JV Funding – Liability Reimbursement - Use Case

Use Case: Invoice Payment from wrong Venture

Determine Venture liabilities (Funding Run) and Reimburse Venture liabilities

Example:

1. **Vendor Invoice** KR document with RI BI 1000 USD for Venture 1 and Venture 2 on **November 8th (FG1 and FG2)**
2. **Vendor KR Document Payment** from Venture 2 bank account on **December 6th**
3. **JV Funding–Reimbursement Posting** from sending venture Venture 1 to receiving Venture 2 on **December 19th**
4. **Reporting**

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

JV Funding – Inter-Venture Liability is replacing Venture Bank Switching GJ20

Restrict Value Range (1)

Restrictions

Run date	Run id	St.	Title
12.03.2019	0001	1	JV 2 -> Corporate
19.03.2019	0001	1	JV Funding - Selection
19.03.2019	0002	3	Funding Test Case 3
19.03.2019	0003	3	Funding Selection Cash Payment
20.03.2019	0001	3	Funding Test Case
22.03.2019	0001	3	Corporate Payment Example
09.04.2019	0001	3	Funding with RI CP in FB60
09.04.2019	0002	1	Funding with RI CP in FB60
09.04.2019	0003	1	Funding with RI CP in FB60 and corp pay
09.04.2019	0004	1	Funding with RI CP in FB60 and corp pay
11.04.2019	0001	1	Funding Test
11.04.2019	0002	1	Funding Test
11.04.2019	0003	1	Funding Test
11.04.2019	0004	1	Funding Test
11.04.2019	0005	1	Funding Test
16.04.2019	0001	1	Funding Test
30.04.2019	0001	1	Funding Test
30.04.2019	0002	1	Funding Test
30.04.2019	0003	1	Funding Test
30.04.2019	0004	1	Funding Test

65 Entries found

Display Document: General Ledger View

Display Another Document | Display Document Header | Display Currency | Entry View | Services for Object | More

Data Entry View

Document Number: 1200000063 | Company Code: U100 | Fiscal Year: 2019
 Document Date: 26.06.2019 | Posting Date: 26.06.2019 | Period: 6
 Reference: 20190319000100 | Cross-Comp.No.: | Ledger Group: |
 Currency: EUR | Texts Exist: |

Ledger OL

Fiscal Year: 2019 | Period: 6

C...	Item	L.Item	PK	SG	Account	Description	DocumentNo	Cost Center	WBS Element	Venture	EGr	Partner	RI	BI	Prod. Month	Partn...	Tx	Amount	Curr.
U100	1	000001	50		113201	Bank 2 Loc. Out	1200000063			JV1021	P02		NB		000000			1.000,00	EUR
	2	000002	40		113102	Bank 1 Loc. In	1200000063			JV1011	P02		NB		000000			1.000,00	EUR
	3	000003	50		194500	GL Balancing	1200000063			JV1011	P02		NB		000000	JV1021		1.000,00	EUR
	4	000004	40		194500	GL Balancing	1200000063			JV1021	P02		NB		000000	JV1011		1.000,00	EUR

SAP Change JV Funding run 19.03.2019

New | Other run | Switch to display mode | Reverse | Log | More

Header details

Run date: 19.03.2019 | JV Funding - Selection | Posted

Run id: 1 | Netting

Venture totals

CoCo...	F.Grp.Fr	F.Grp.To	Vent.Fr	EqGrp.Fr	Vent.to	EqGr...	FC Amount	FCurr	Amnt in CompCd	Crcy	CCCrcy	Act	Pst	Msg	DocumentNo
U100	FG0002	FG0001	JV1021	P02	JV1011	P02	1.000,00	EUR	1.000,00	EUR	EUR	✓	✓	■	1200000063

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

JV Funding – Inter-Venture Liability

Inter-venture liability

Data Entry View

Document Number	100000086	Company Code	JVU1	Fiscal Year	2018
Document Date	02.10.2018	Posting Date	02.10.2018	Period	10
Reference		Cross-Comp.No.			
Currency	EUR	Texts Exist	<input type="checkbox"/>	Ledger Group	

Item	Account	Description	Cost Center	Venture	EGr	PartnerVen	Partner	EG	RI	D/C	Amount	Curr.
1	417000	Costs of purchased	CC_JV221	JV121	EG1				BI	S	1.500,00	EUR
2	417000	Costs of purchased	CC_JV122	JV122	EG5				BI	H	1.500,00-	EUR

Transfer EUR 1,500 costs from venture 2 to venture 1

Inter-Venture liability is represented by own fields (Partner Venture JVA) in ACDOCA

Data Entry View

Document Number	100000086	Company Code	JVU1	Fiscal Year	2018
Document Date	02.10.2018	Posting Date	02.10.2018	Period	10
Reference		Cross-Comp.No.			
Currency	EUR	Texts Exist	<input type="checkbox"/>	Ledger Group	

Inter-venture liability posted by FAGL balancing
Venture 2 charges Venture 1 EUR 1,500

Ledger 0L

FiscalYear	2018	Period	10
------------	------	--------	----

Item	Account	L.Item	Description	Cost Center	Venture	EGr	PartnerVen	Partner	EG	RI	D/C	Amount	Curr.
1	417000	000001	Costs of purchased	CC_JV221	JV121	EG1				BI	S	1.500,00	EUR
2	417000	000002	Costs of purchased	CC_JV122	JV122	EG5				BI	H	1.500,00-	EUR
3	194500	000003	Bus. area clearing		JV121	EG1	JV122	EG5		NB	H	1.500,00-	EUR
4	194500	000004	Bus. area clearing		JV122	EG5	JV121	EG1		NB	S	1.500,00	EUR

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

JV Funding – Venture Liability from Payment

FAGL JV – Liability from payment (Inter-venture)

Outgoing payment

Funding group 2

Funding group 1

Funding group 1

Bank item is always coded to own funding group
Venture is taken from same document if possible and defaulted otherwise

Inter-venture liability posted by FAGL balancing
Venture 1 charges venture 2 EUR 600 for payment made from FG1 bank

Item	Account	Description	Cost Center	Venture	EGr	PartnerVen	Partner EG	RI	D/C	Amount	Curr.
1	113811	JV Bank - FG 1 EUR							S	1,000,00	EUR
2	417000	Costs of purchased	CC_JV122	JV122	EG5				BI H	600,00-	EUR
3	417000	Costs of purchased	CC_JV221	JV121	EG1				BI H	400,00-	EUR

Item	Account	L.Item	Description	Cost Center	Venture	EGr	PartnerVen	Partner EG	RI	D/C	Amount	Curr.
1	113811	000001	JV Bank - FG 1 EUR	CC_JV221	JV121	EG1				BI S	1,000,00	EUR
2	417000	000002	Costs of purchased	CC_JV122	JV122	EG5				BI H	600,00-	EUR
3	417000	000003	Costs of purchased	CC_JV221	JV121	EG1				BI H	400,00-	EUR
4	194500	000004	Bus. area clearing		JV121	EG1	JV122	EG5		NB H	600,00-	EUR
5	194500	000005	Bus. area clearing		JV122	EG5	JV121	EG1		NB S	600,00	EUR

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

JV Funding – Reimbursement - Select

Reimbursement - Select

The screenshot displays the 'JV Funding - Selection' interface. It is organized into several sections:

- Main selections:** Includes fields for Company Code, G/L Fiscal Year, Posting Period, Sending venture, and Receiving venture, each with a 'to' field and a selection icon.
- Other selections:** Includes fields for Document Number, Document Type, Posting Date, and Document Date, each with a 'to' field and a selection icon.
- Options:**
 - Netting
 - Save immediately
 - Funding run:** Fields for Funding run date (09.09.2018) and Title.
 - Post immediately
 - Posting parameters:** Fields for Posting Date (09.09.2018), Document Date (09.09.2018), and Document Header Text (JV Funding Re-imbusement).
 - Test posting only (no update)
- Display:** A dropdown menu for Layout set to DEFAULT.

Inter-venture items are selected from the FAGL balancing account and assigned to a Funding Run as a reimbursement proposal.

New funding runs are assigned an identifier made up of 'run date' and a sequential number. When a funding run is saved, this identifier is coded on the field CBRUNID of the selected inter-venture items so that they are not selected for inclusion in other funding runs.

An option is provided to 'post immediately' so that the program may be run as a simulation of the old bank switch program.

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

JV Funding – Reimbursement - Post

Reimbursement - Post

JV Funding - Post

Funding run

Funding run date

Funding run id

Posting parameters

Posting Date 09.09.2018

Document Date 09.09.2018

Document Header Text JV Funding Re-imburement

Posting options

Test posting only (no update)

Display

Layout

This process posts reimbursements as accounting documents into the FI module.

The charges may be posted against vendor accounts so that they are picked up and processed by the payment program.

CoCo	F.Grp.	Fr	Fund.group name	Amnt in TC Trans		Amnt in CC CompC	
F.Grp. To Fund.group name							
DocumentNo	Fisc	Ite	Ventur Equ Partne Par Text	Amnt in TC Trans		Amnt in CC CompC	
JVU1	FGC		Corporate	450,00	EUR	450,00	EUR
	FG1		Funding Group 1				
			100000063 2018 CP0001 CP1 JV121 EG1	450,00-	EUR	450,00-	EUR
JVU1	FGC		Corporate	900,00	EUR	900,00	EUR
	FG2		Funding Group 2				
			100000062 2018 JV0009 A01 JV122 EG5	450,00-	EUR	450,00-	EUR
			100000064 2018 CP0001 CP1 JV122 EG5	450,00-	EUR	450,00-	EUR

SAP S/4HANA JVA On-Premise Edition 1909 FPS1 – JVA on ACDOCA

JV Funding - Interest Calculation

- Calculate interest based on daily balances defined according to value date, document date
- Interest rates are defined using standard configuration tables. Rates are calculated according to threshold values and based on accepted bank rates such as LIBOR and NIBOR (Interest Calculation Group)
- Balances on which interest is calculated are defined using **groups of venture, equity group and funding currency**, referred to as interest calculation groups
- The program will post interest as billable charges from the corporate venture into the affected joint ventures prior to cutback
- A '**cycle**' represents a run of the interest calculation program for a particular interest group in a particular period
- Value date can be entered, document date is used if no value date is present.

SAP S/4HANA JVA On-Premise Edition 1909 FPS1 – JVA on ACDOCA

JV Funding – Interest Calculation – Use Case **Norway**

Calculate interest charges on daily inter-venture balances

Use Case 1. : If a non-operator partner defaulted on the cash call, then interest will be calculated on late payment

Use Case 2. : Over/under call

SAP S/4HANA JVA On-Premise Edition 1909 – JVA on ACDOCA

New Cutback App*

Selection Criteria

Company Codes: to:

Venture: to:

Fiscal Year:*

Period:*

Posting Details

Posting Date:

Cutback Document Segment Text:

Tax Posting Date:

Tax Document Segment Text:

Fixed Payment Terms:

Posting Options

Invoice per Equity Group:

Invoice per Partner:

Invoice per Partner/Expense:

Processing Options

Parallel Processing:

Server Group:

Maximum Number of Processes:

Number of Ventures per Process:

Intermediate Cutback Run:

Non-Completed Ventures Only:

Add Lines w/ Exch. Rate Diffs:

New UI with harmonized selection screen

New Posting Options

- Invoice per Partner
- Invoice per Partner / Expense

* This is the current state of planning and may be changed by SAP at any time without notice.

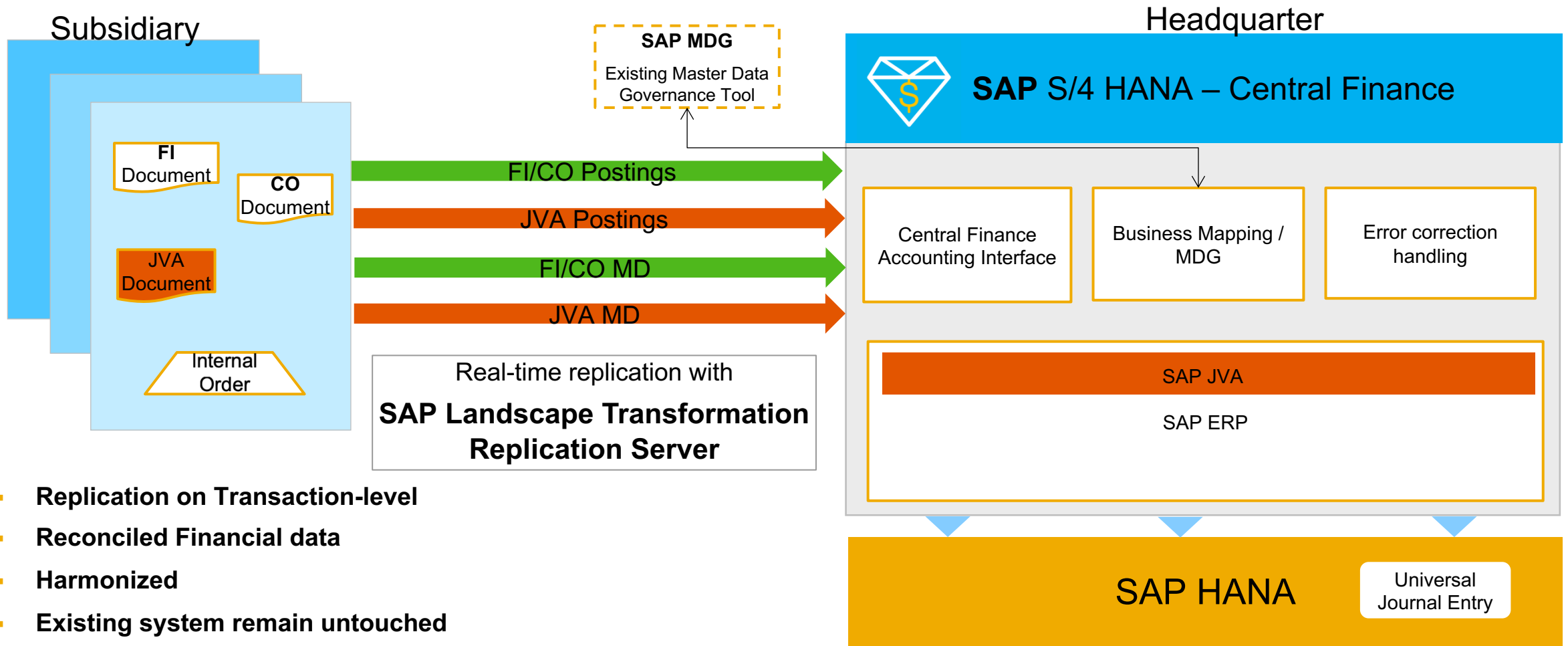
S/4HANA JVA On-Premise Edition

Central Finance Integration

Planned Release S/4HANA On-Premise Edition

JVA-Central Finance Functionalities – Replication of Documents and MD

SAP LABS



- Replication on Transaction-level
- Reconciled Financial data
- Harmonized
- Existing system remain untouched
- Replication of JVA MD and Documents incl. internal JVA internal documents require additional enhancements of existing standard Central Finance solution.

Planned Release S/4HANA On-Premise Edition 2020 FPS1 in Q1 2021

S/4HANA JVA-cFIN Integration - Planned Standard Scope Items*

Scope item	Technical Information
Documents	Basic technology: the existing cFin channels are used to transfer all document types.
FI documents (enriched by JVA split)	Transfer of split results via the additional table CFIN_SPLINFO
CO documents (enriched by venture data)	Enhancement of several structures required
Internal JV documents (documents posted by JVA month-end processes to ledger 4A or 4B only)	Uses the same channel as FI documents (CFIN_ACCIT)

Scope item	Technical Information
Initial Load	Reports to be run in the senders systems that transfer data from the sender system via RFC call to in the cFin system
FI documents (JVA split)	Covered by existing cFin functionality (?)
CO documents (JVA data)	Covered by existing cFin functionality (?)
Internal JVA documents	Report to transfer all documents that were posted to the JVA ledgers only (or to ACDOCA only, if JVA is running on ACDOCA)
Joint Operating Agreements (incl. Equity Groups)	Report to transfer all JOAs
Ventures	Report to transfer all ventures
Venture Partners	Report to transfer all venture partners

Scope item	Technical Information
Master Data	Basic technology for all master data: on the sender side the DRF is called up via BADI. The DRF, in turn, calls up the AIF in the cFin system via RFC call
Joint Operating Agreements (incl. Equity Groups)	BADI in transaction GJAA (and in master data class?)
Ventures	BADI in transaction GJVV (and in master data class?)
Venture Partners	BADI in transaction GJ2B (and in master data class?)

Scope item	Technical Information
Data Verification/Reconciliation	Reports to be run in the cFin system that retrieves data from the sender system via RFC call and compares these data with the data in the cFin system
FI documents	Report to compare the JVA split in the sender systems (JVSO1/ACDOCA) with the JVA split in the cFin system (JVSO1/ACDOCA)
CO documents	Report to compare the JVA data in the CO data of the sender systems (JVSO1/ACDOCA) with the JVA split in the cFin system (JVSO1/ACDOCA)
Internal JVA documents	Report to compare the details of the internal documents in the sender systems (JVSO1/JVSO2/ACDOCA) with the corresponding internal JVA documents in the receiver systems (JVSO1/JVSO2/ACDOCA)
Joint Operating Agreements (incl. Equity Groups)	Report to compare the details of the JOA data in the sender systems with the corresponding data in the cFin system (taking into account any mapping)
Ventures	Report to compare the details of the venture data in the sender systems with the corresponding data in the cFin system (taking into account any mapping)
Venture Partners	Report to compare the details of the venture data in the sender systems with the corresponding data in the cFin system (taking into account any mapping)

Thank you.

Jürgen Newrzella

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