

SAP PRESS

Figures

from

Integrating Architecture, Processes, and AI on SAP BTP

Designing an AI-Ready Execution Layer Using SAP Signavio,
SAP LeanIX, and WalkMe



By Kumar T. Piraviperumal

Figures from Integrating Architecture, Processes, and AI on SAP BTP

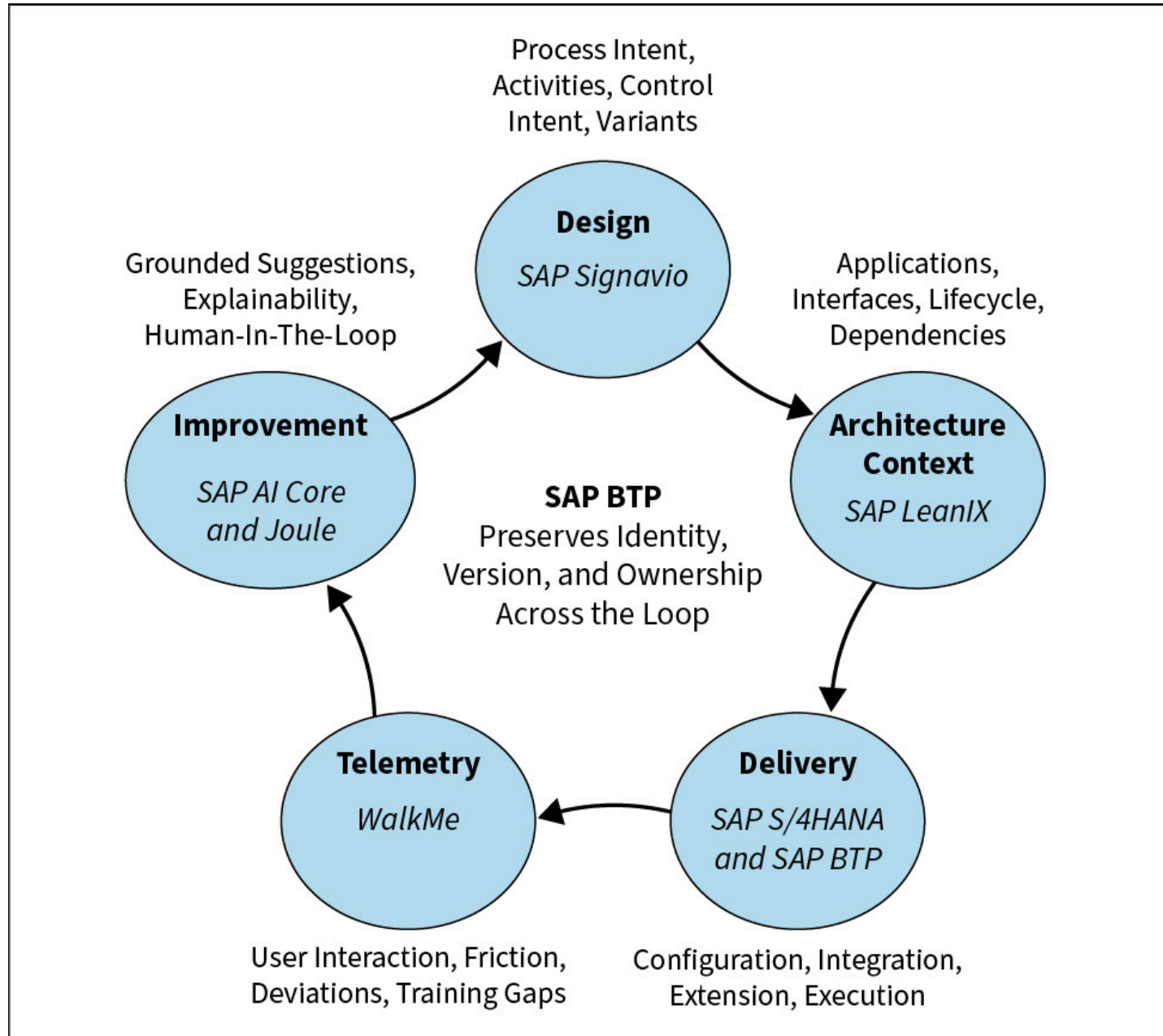


Figure 1.1

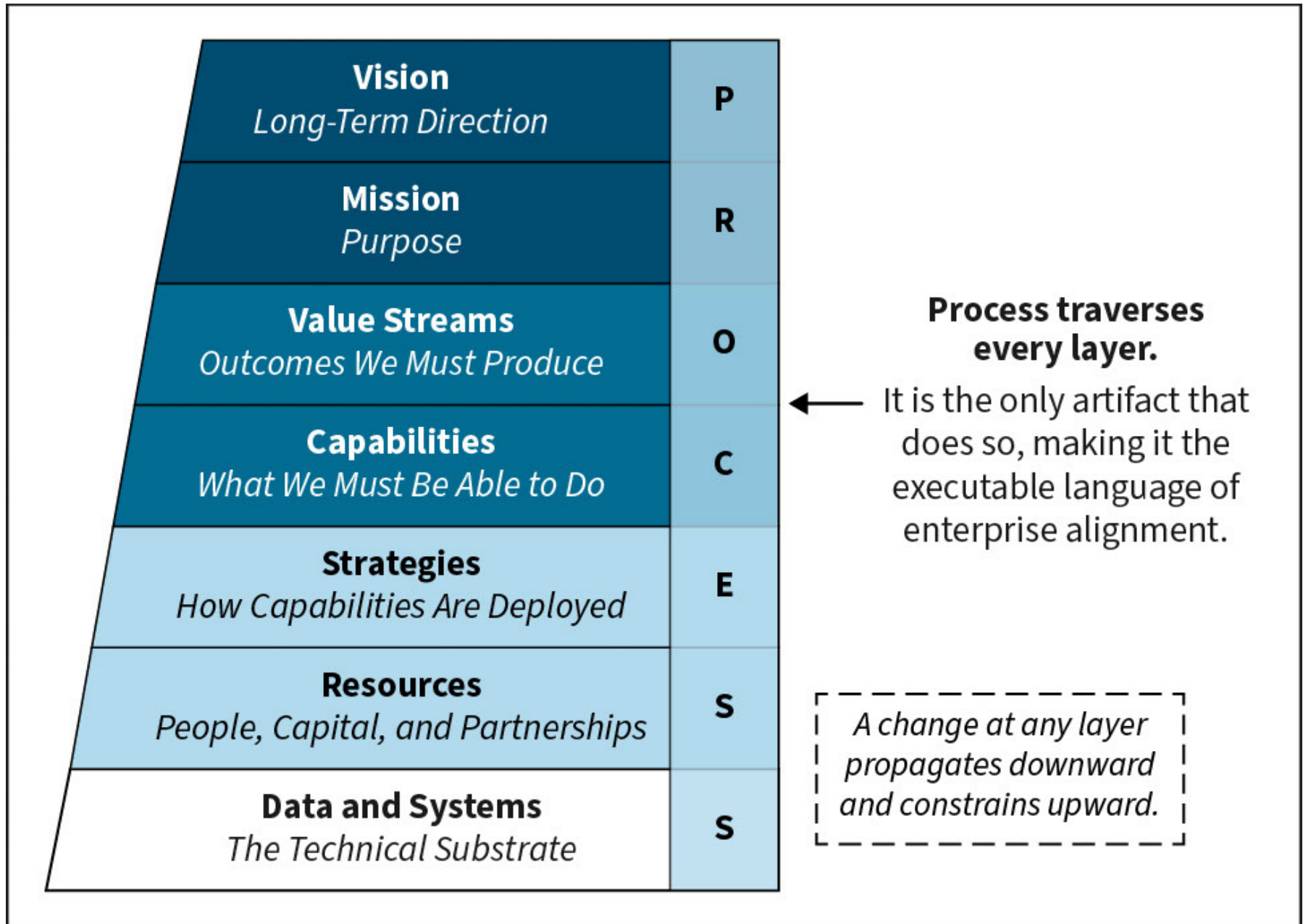


Figure 1.2

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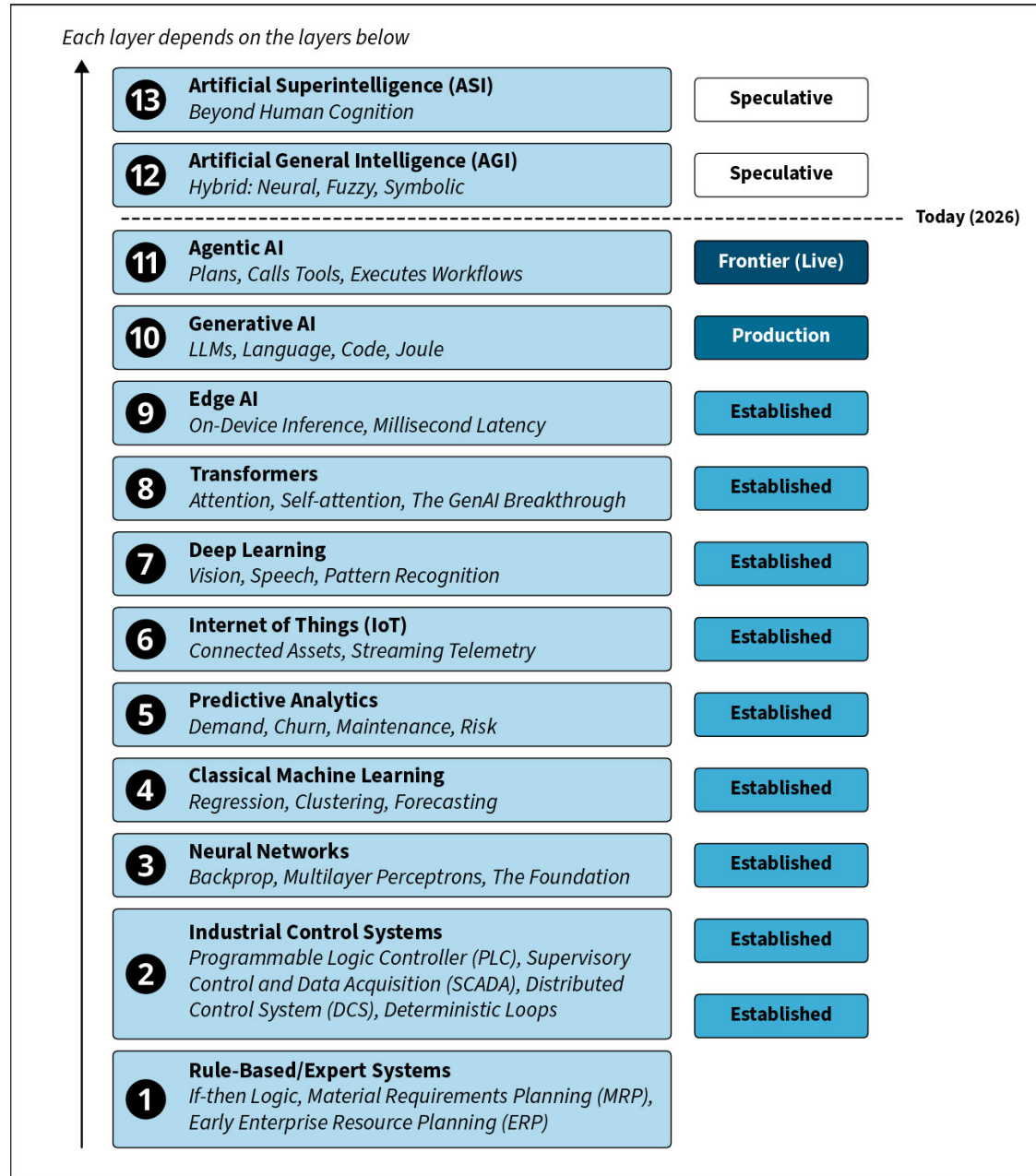


Figure 1.3

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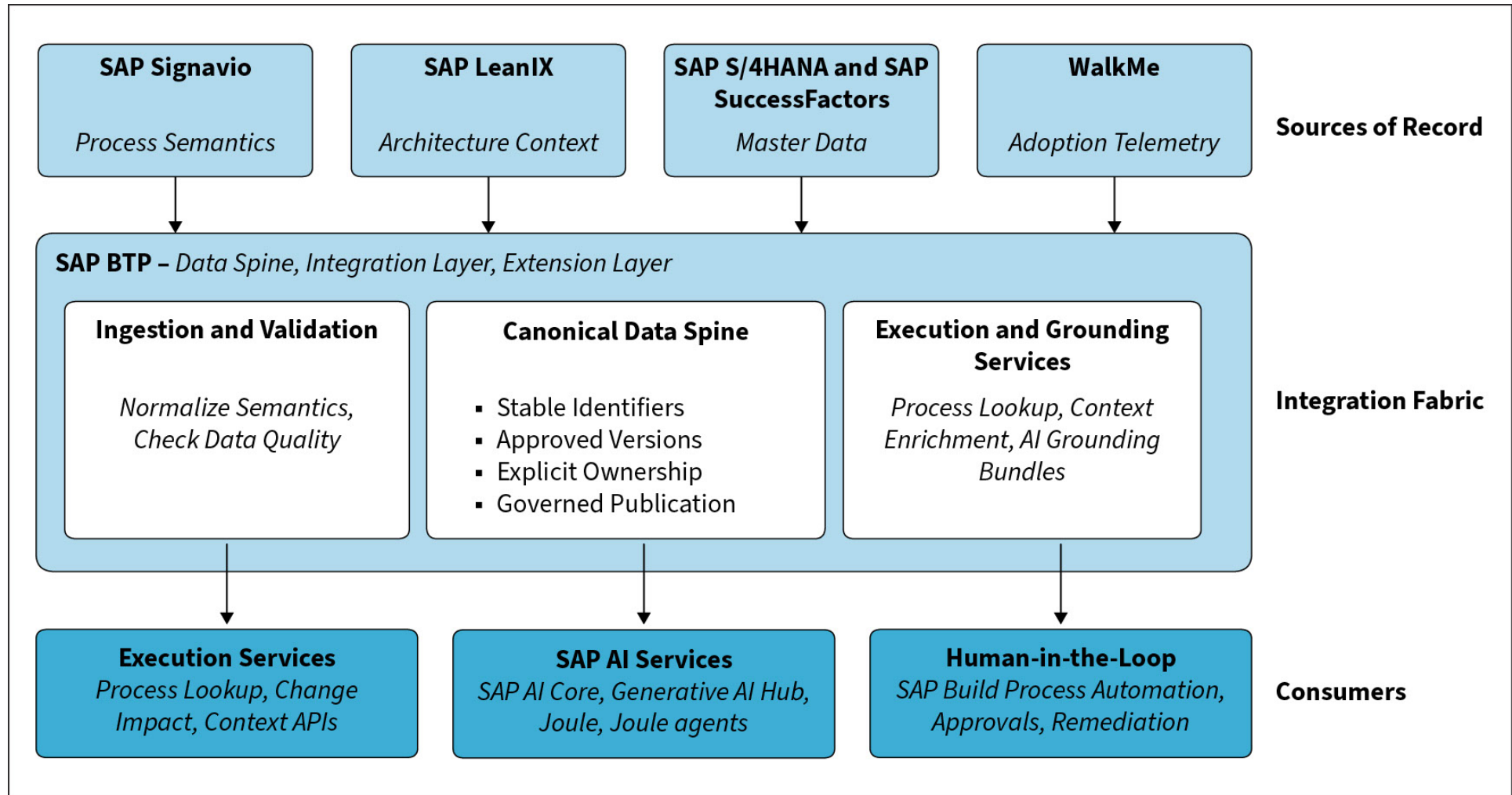


Figure 1.4

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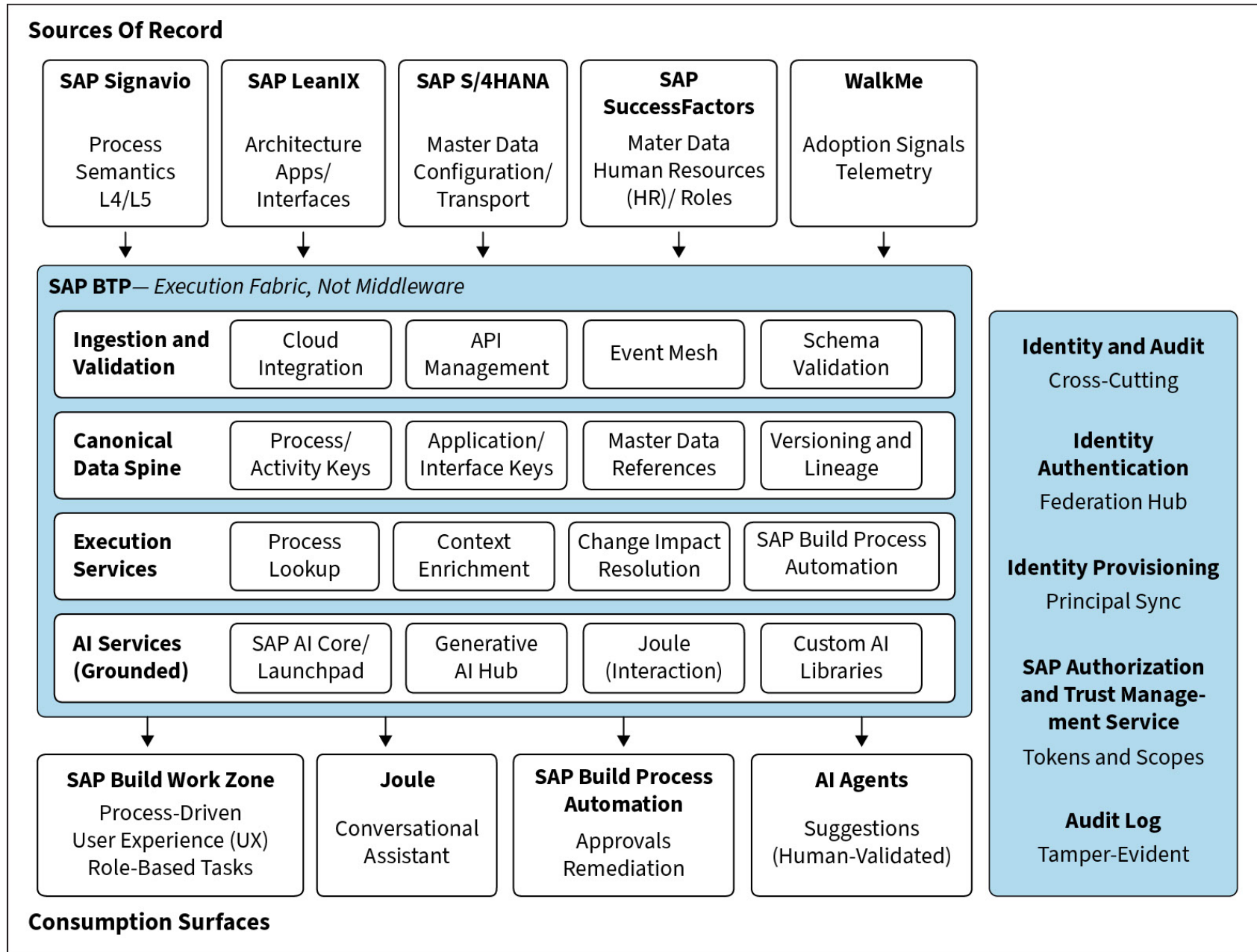


Figure 2.1

Figures from Integrating Architecture, Processes, and AI on SAP BTP

	SAP Signavio	SAP LeanIX	SAP S/4HANA	SAP SuccessFactors	WalkMe	SAP BTP (Data Spine)	SAP Build Process Automation
Process Definition (L4/L5)	Write	Read	—	—	—	Read	Read
Process Version/Approval State	Write	—	—	—	—	Derived	—
Application Catalog	—	Write	—	—	—	Read	Read
Interface/Dependency	—	Write	—	—	—	Read	—
Master Data—Cost Center	—	—	Write	—	—	Read	—
Master Data—Position	—	—	—	Write	—	Read	—
Adoption Telemetry	—	—	—	—	Write	Derived	—
Canonical Data Spine Entities	—	—	—	—	—	Write	—
Workflow Instance State	—	—	—	—	—	Read	Write
AI Suggestion (Proposed)	—	—	—	—	—	Derived	Read

Legend

Write Authoritative Writer (System of Record)
 Derived Derived Downstream View
 Read Read access
 — No Access By Design

Figure 2.2

Figures from Integrating Architecture, Processes, and AI on SAP BTP

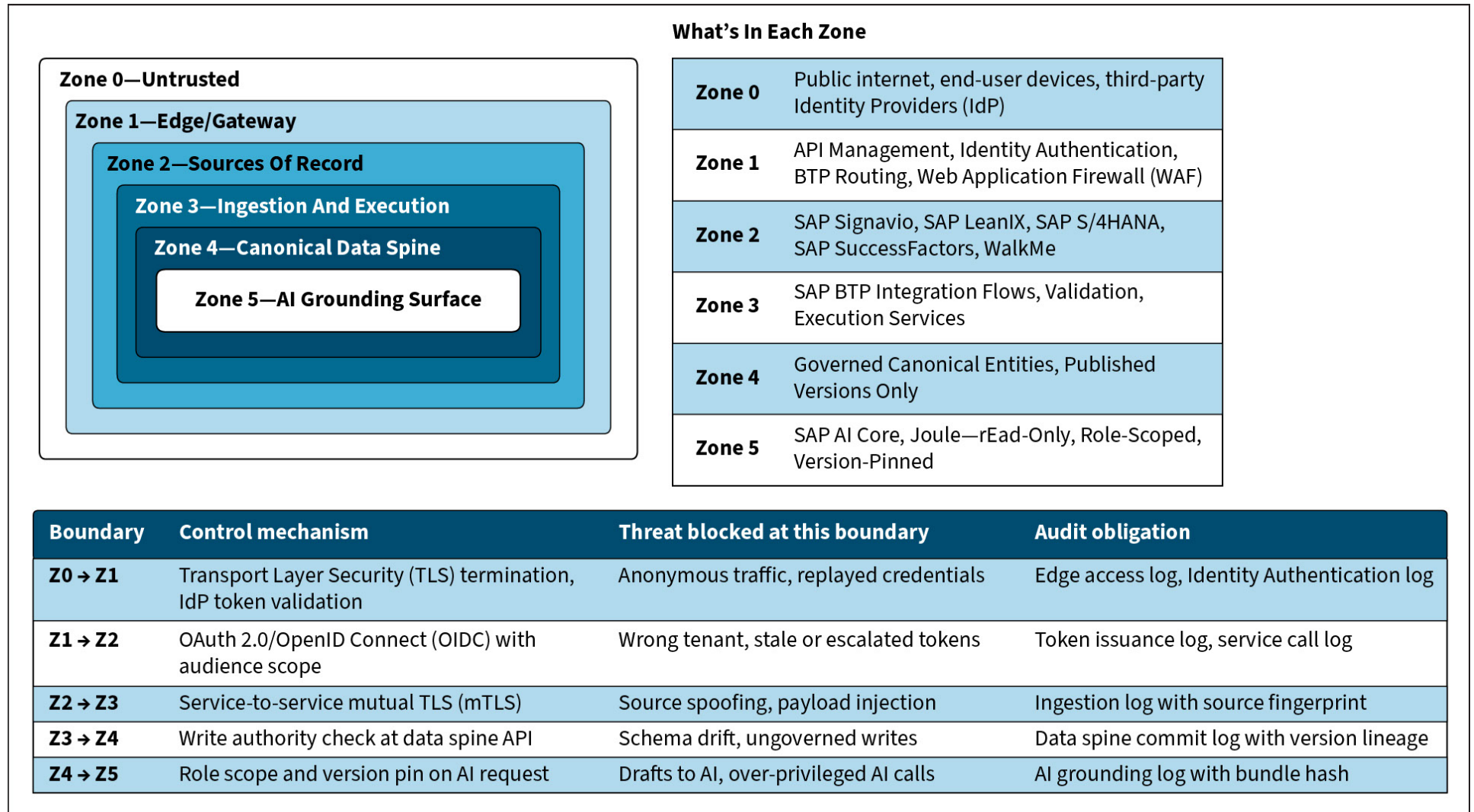


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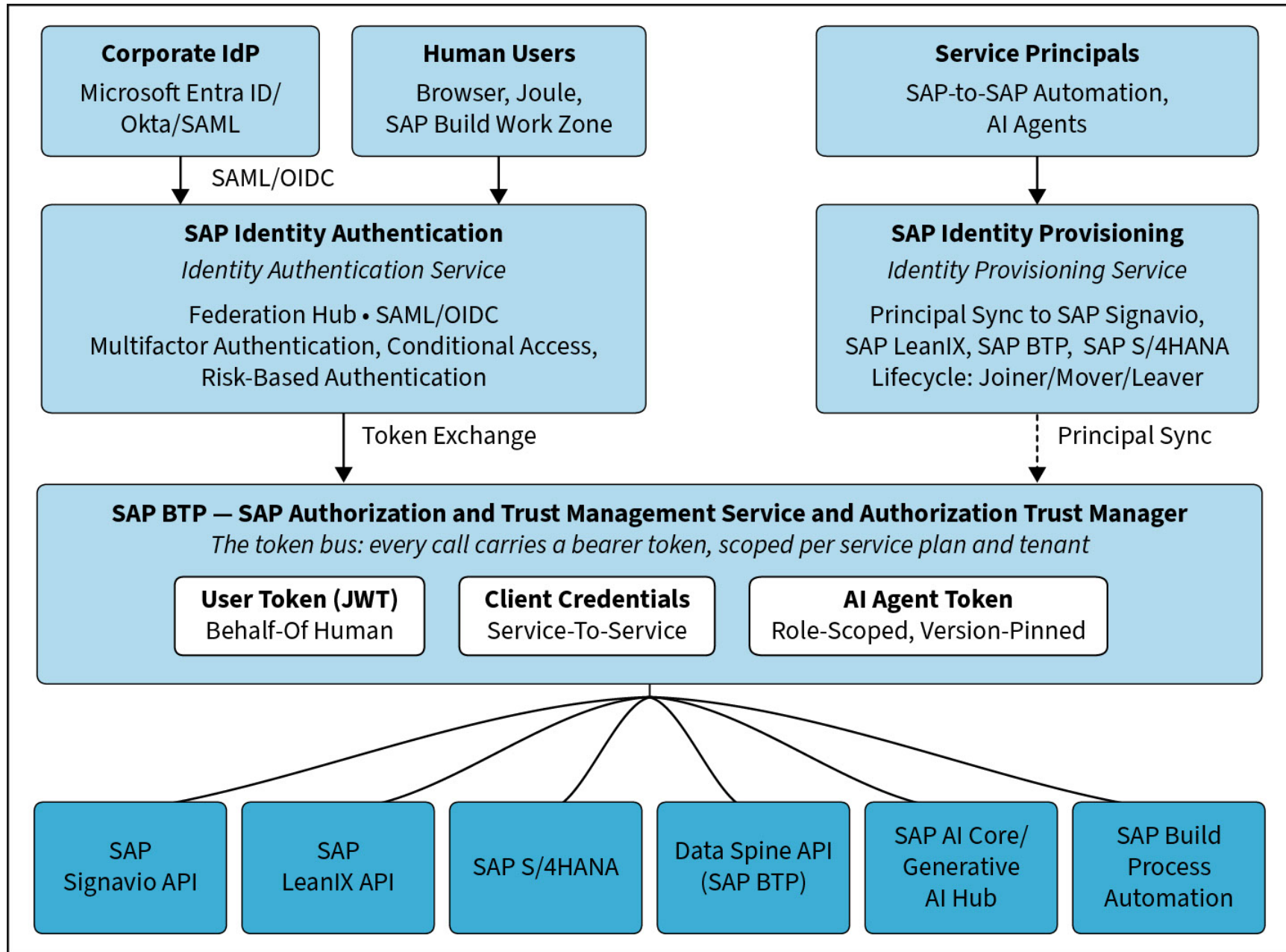
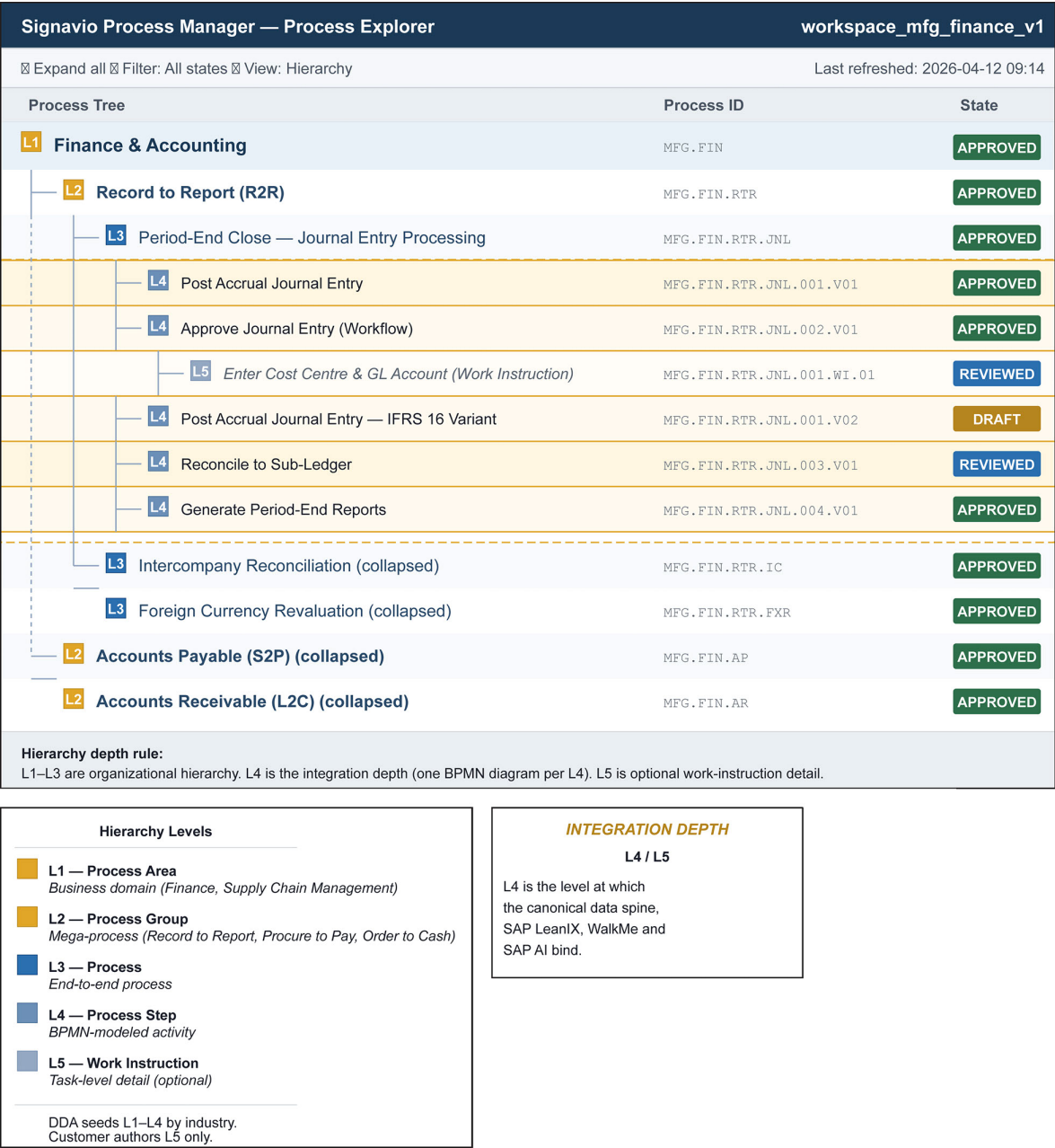


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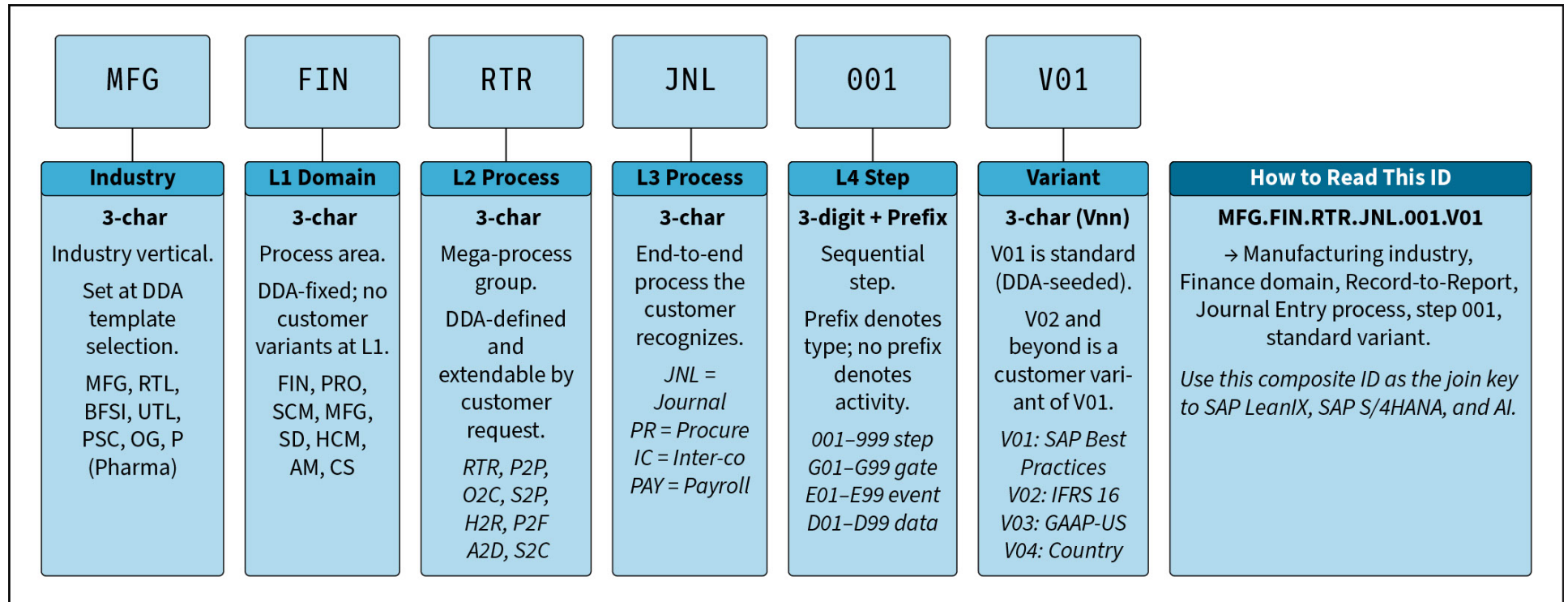


Figure 3.2

Figures from Integrating Architecture, Processes, and AI on SAP BTP

Signavio Dictionary — Manufacturing / Finance						14 of 247 entries	
Filters: Domain: FIN L2: RTR State: APPROVED						☒ Add Entry ☒ Export ☐ Search	
Identifier	Display Name	Type	Process Owner	Fiori App ID	Tcode	LeanIX App	
MFG.FIN.RTR.JNL v3.2 — APPROVED 2026-03-08	Period-End Close — Journal Entry Processing L3 process · 11 child activities	PROCESS	M. Hartmann CFO Office	— (parent)	—	—	
MFG.FIN.RTR.JNL.001.V01 v3.2 — APPROVED 2026-03-08	Post Accrual Journal Entry L4 activity · System: SAP S/4HANA	ACTIVITY	A. Kowalski GL Manager	F0717 Post General Journal	FB50	APP-S4-FIN-001	
MFG.FIN.RTR.JNL.002.V01 v3.2 — APPROVED 2026-03-08	Approve Journal Entry (Workflow) L4 activity · System trigger: SAP Workflow	ACTIVITY	M. Hartmann CFO Office	F0719	FBV0	APP-S4-FIN-001	
MFG.FIN.RTR.JNL.G01.V01 v3.2 — APPROVED 2026-03-08	Decision: Amount > Approval Threshold? XOR gateway · SOX-relevant	DECISION	M. Hartmann CFO Office	— (rule)	—	APP-S4-FIN-001	
MFG.FIN.RTR.JNL.001.V02 DRAFT — variant of V01 (parent)	Post Accrual Journal Entry — IFRS 16 Lease Variant L4 activity · Variant of MFG.FIN.RTR.JNL.001.V01	ACTIVITY	A. Kowalski GL Manager	F0717	FB50	APP-S4-FIN-001	
MFG.FIN.RTR.JNL.003.V01 v3.2 — APPROVED 2026-03-08	Reconcile to Sub-Ledger L4 activity · System: SAP S/4HANA	ACTIVITY	A. Kowalski GL Manager	F2918	F.13	APP-S4-FIN-001	
MFG.FIN.RTR.JNL.E01.V01 v3.2 — APPROVED 2026-03-08	Event: Period-End Close Triggered Start event · Schedule-driven (last business day)	EVENT	System Scheduler	—	—	APP-S4-FIN-001	
MFG.FIN.RTR.JNL.004.V01 v3.2 — APPROVED 2026-03-08	Generate Period-End Reports L4 activity · System: SAP S/4HANA + Analytics Cloud	ACTIVITY	M. Hartmann CFO Office	F2547	FAGLB03	APP-SAC-001	
MFG.FIN.RTR.IC v2.1 — APPROVED 2026-02-19	Intercompany Reconciliation L3 process · 7 child activities	PROCESS	M. Hartmann CFO Office	— (parent)	—	—	
MFG.FIN.RTR.IC.001.V01 v2.1 · DDA-seeded standard · APPROVED	Identify Intercompany Transactions L4 activity · DDA-seeded; no customer modification	ACTIVITY	A. Kowalski	F1234	FBICA1	APP-S4-FIN-001	
MFG.FIN.AP.EXP.005.V01 v1.4 — APPROVED 2026-01-30	Submit Expense Report (Concur) L4 activity · External system: Concur Expense	ACTIVITY	P. Romero AP Manager	— (Concur)	—	APP-CONCUR-001	
MFG.FIN.AP.PR.999.V01 RETIRED 2026-02-12 — superseded by V02	Manual Three-Way Match (Pre-Automation) Retained for audit history; no longer executed	ACTIVITY	P. Romero	F0859	MIRO	APP-S4-MM-001	

Figure 3.3

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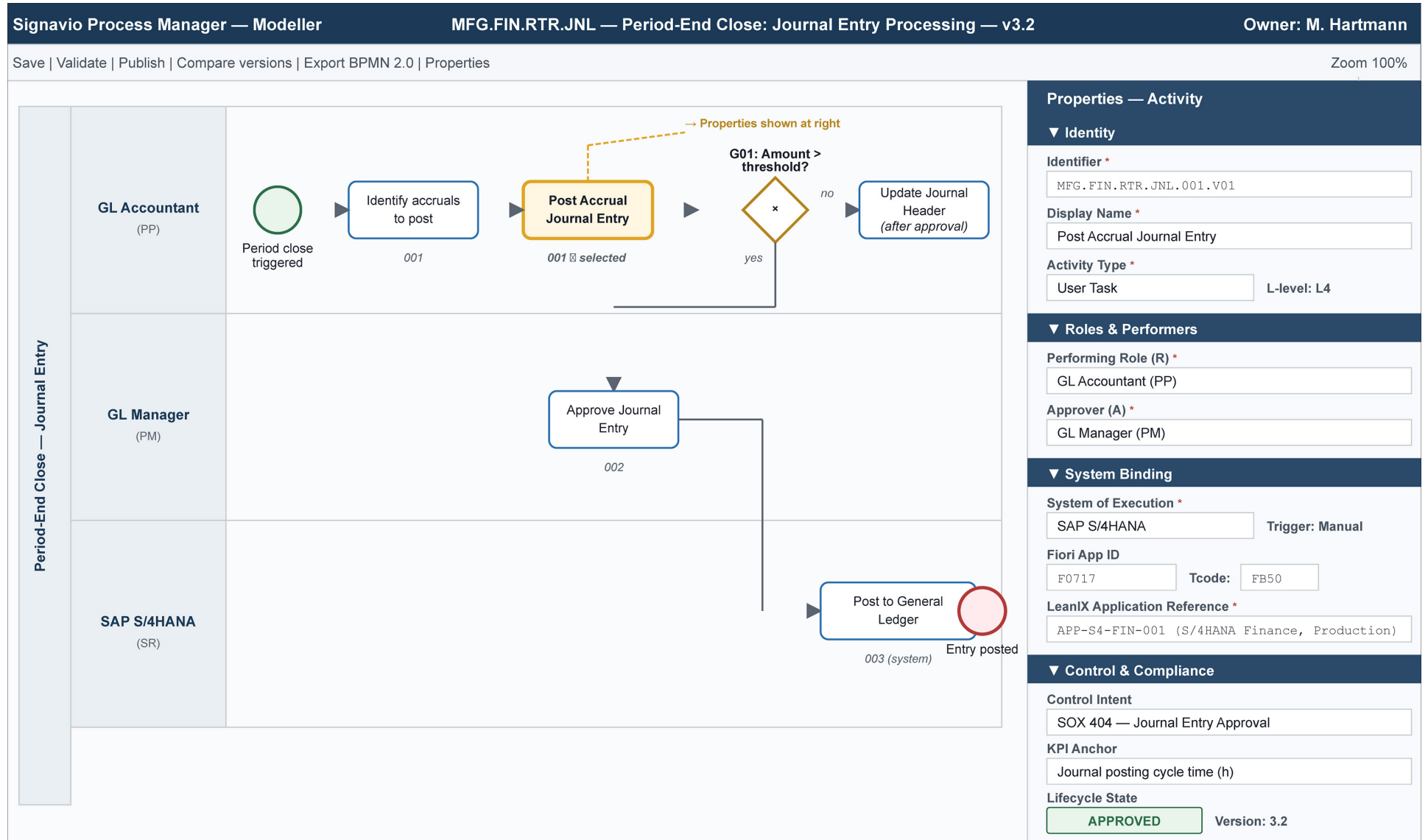


Figure 3.4

Figures from Integrating Architecture, Processes, and AI on SAP BTP

PO Process Owner RACI A	Process Owner <i>Accountable For End-To-End Process</i> Approves all major version changes. Sponsors L3 baseline approval gate. Owns benefit realization reporting. Finance lens: CFO/VP Finance for R2R, FP&A; Group Treasurer for Tax/Treasury	PM Process Manager RACI R	Process Manager <i>Day-To-Day Process Execution And Service Level Agreements</i> Signs off Minor version changes. Manages actor assignments and shift schedule. First-line approver in workflows. Finance lens: Financial Controller, Reporting Manager, AP/AR Manager, Tax Manager.	PE Process Expert RACI C	Process Expert <i>Subject-Matter Expertise And Design</i> Validates DDA-seeded content in fit-to-standard workshops. Authors Draft process updates. Finance lens: Senior Accountant, FP&A Analyst, Process Architect.
PP Process Participant RACI R	Process Participant <i>Performs The Work—Most Populous Role</i> Assigned to L4 task-level steps. The role to which WalkMe guidance is primarily addressed. Finance lens: Accounts Payable Clerk, General Ledger Accountant, Cashier, Tax Preparer	SR System Role RACI R*	System Role <i>Automated Execution—Non-Human</i> An SAP workflow, batch job, event-driven handler, or AI agent. Always declared and never implicit. Must be auditable. Finance lens: SAP-Automated General Ledger Posting, Scheduled Depreciation Run, AI Accrual Proposer	EA External Actor RACI C/I	External Actor <i>Third-Party In The Process Boundary</i> A vendor, customer, bank, auditor, or regulator. Always modelled, even when outside the system. Finance lens: External auditor, supplier, customer, tax authority, bank

Figure 3.5

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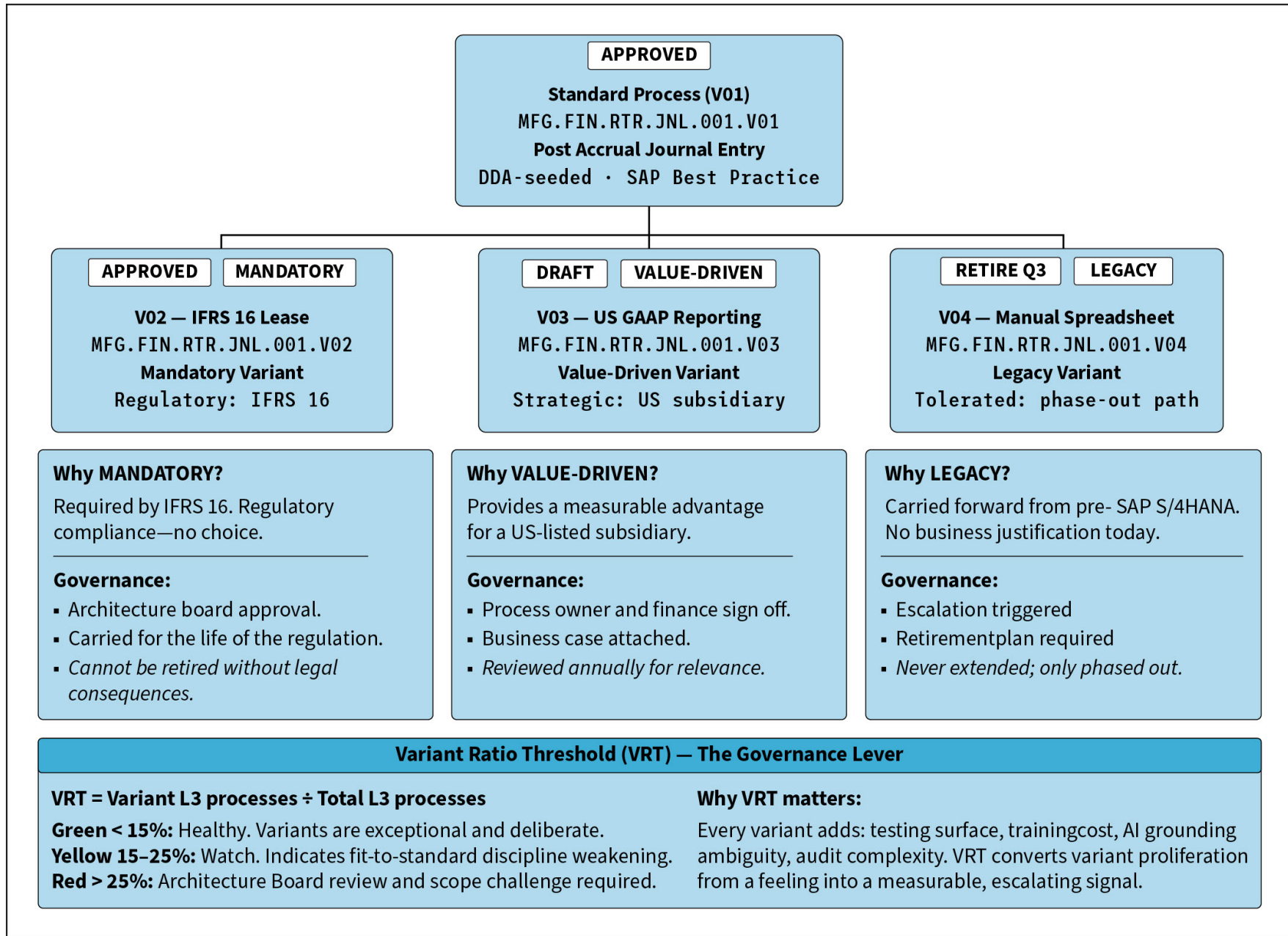


Figure 3.6

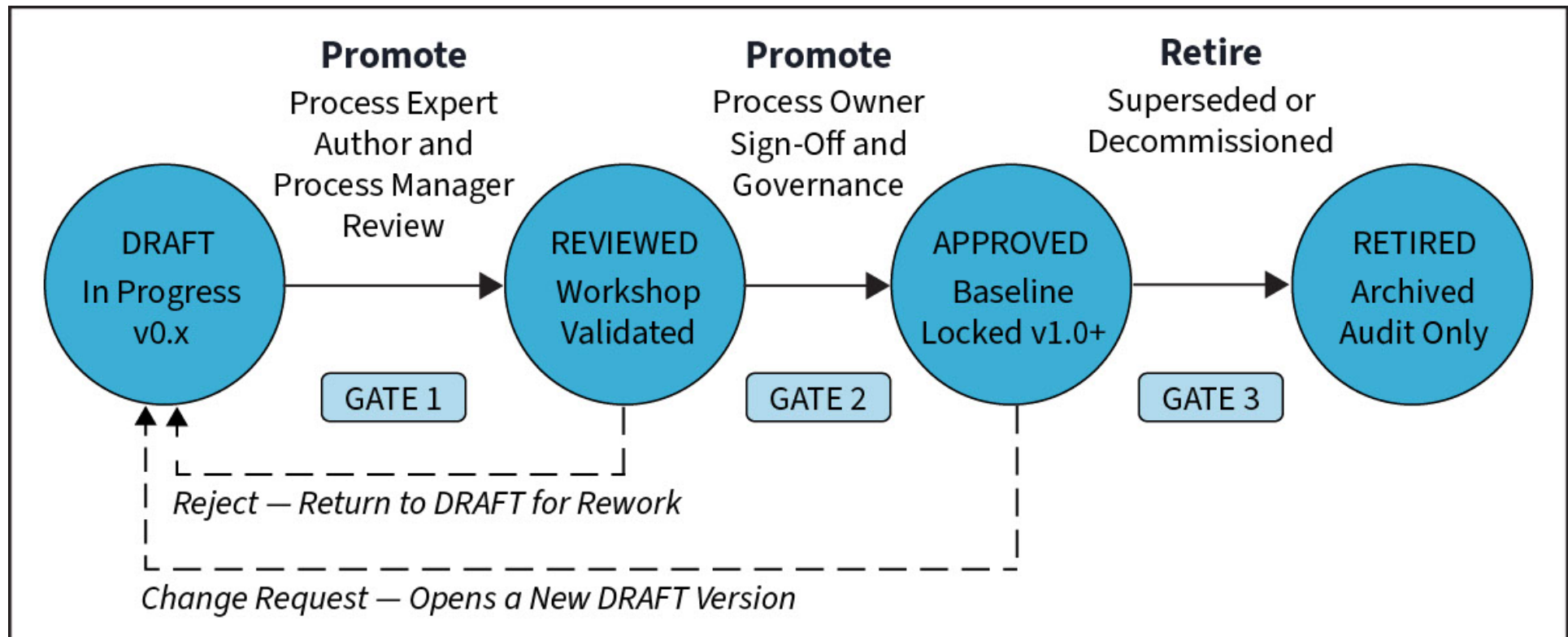


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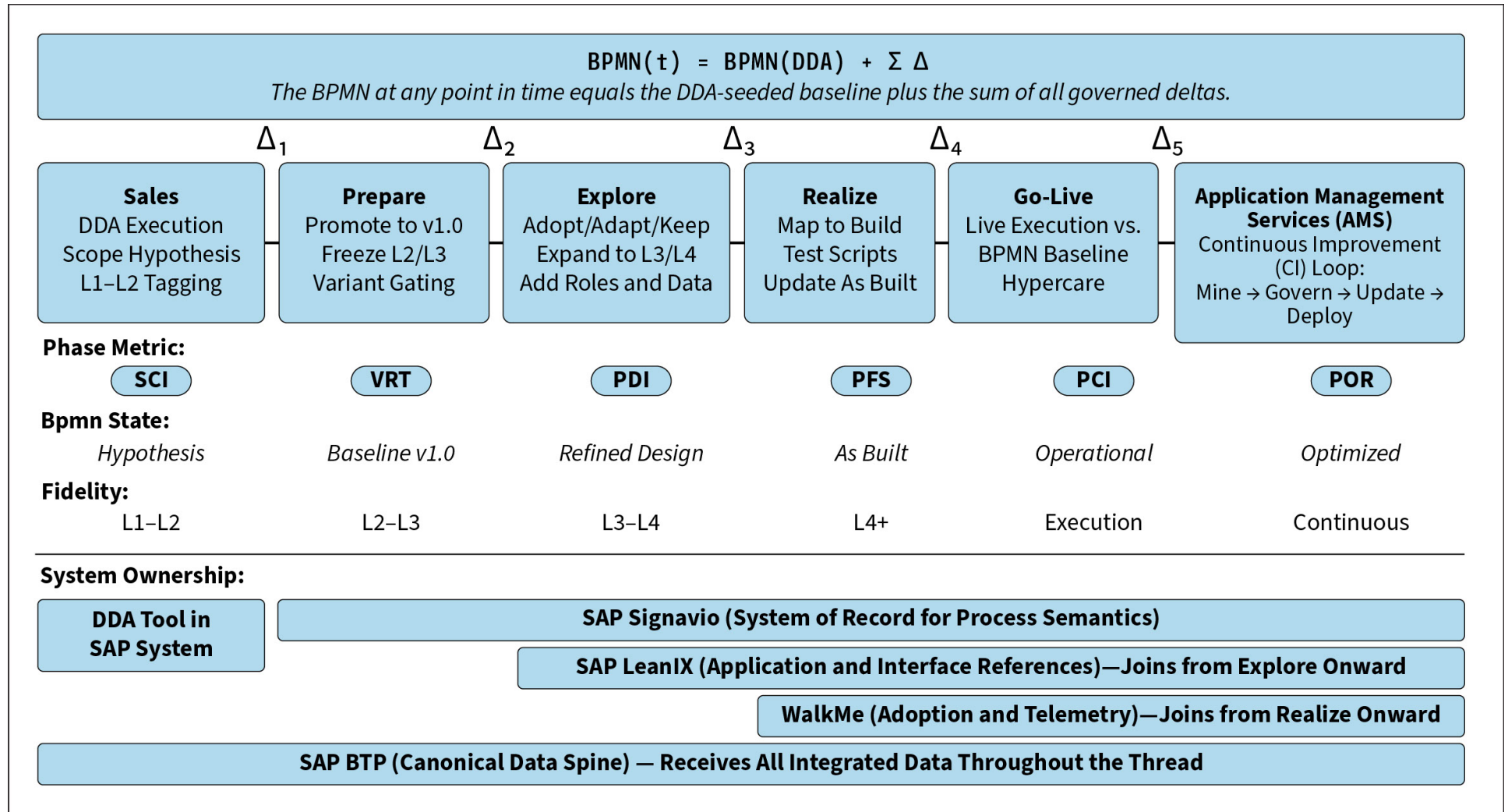


Figure 3.8

Figures from Integrating Architecture, Processes, and AI on SAP BTP

Dictionary

Categories

Custom Attributes

Activity Attributes

Process Attributes

Attribute Categories

Identification

Execution Context

Control & Compliance

AI Governance

Variants & Localization

Lifecycle & Versioning

Dictionary Release

Version: 2026.04 (Active)

Steward: A. Rivera

Next release: 2026.05

Name	Type	Scope
Activity_Stable_ID	String	Activity
Execution_Application_ID	Reference	Activity
Trigger_Application_ID	Reference	Activity
Fiori_App_ID	String	Activity
Transaction_or_SSCUI	String	Activity
Variant_Key	String	Activity

5 of 5 attributes shown

Attribute Detail: Execution_Application_ID

Name

Display Label

Data Type

Scope

Required

Reference Pattern

Permitted ref_system values

Consumer

Dictionary Release

Execution_Application_ID

Execution Application

Reference (multi-valued: false)

Activity

Yes (on Published activities)

{ref_system}|{|ref_type}|{|ref_id}|{|ref_version}

LEANIX

Data spine, SAP Build, WalkMe

Introduced in 2025.10 · Active

Sample Value

LEANIX|APPLICATION|F4C9-2A11|v3|PRIMARY

Validation Rules Bound

REF-014 Execution_Application_ID resolves to Active LeanIX factSheet [Critical]

LIFE-003 Referenced application is not in Deprecated lifecycle state [Critical]

Edit

View History

Figure 4.1

Figures from Integrating Architecture, Processes, and AI on SAP BTP

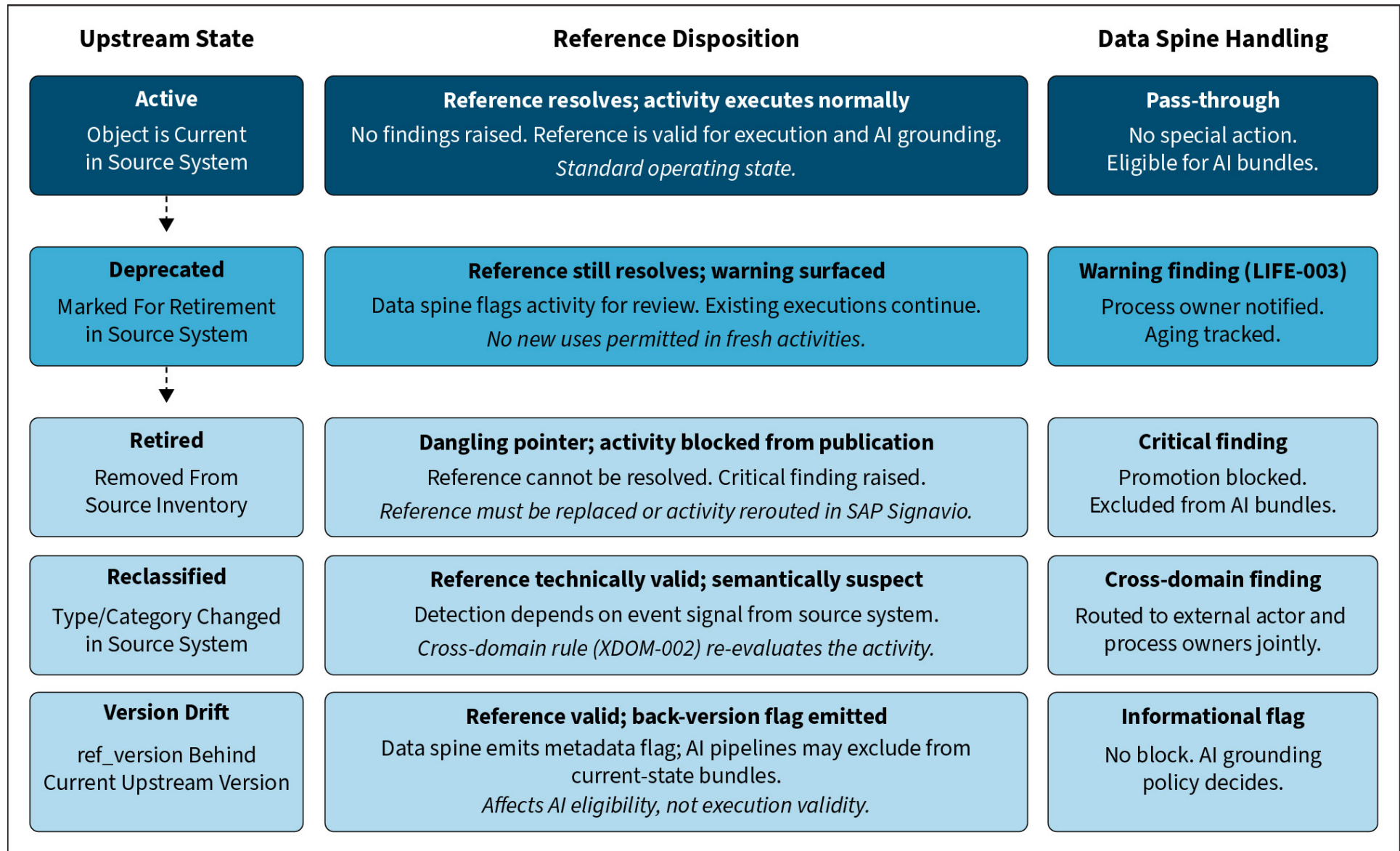


Figure 4.2

Figures from Integrating Architecture, Processes, and AI on SAP BTP

User ManagementUsersGroupsAPI TokensRoles & Permissions

Existing Service Tokens

+ Create Token

Name	Owner	Scope	Created	Expires	Status
btp-spine-prod-svc	svc-btp-ingest@...	read:collections, read:dictionary, read:revisions	2026-01-15	2026-07-15	ACTIVE
btp-spine-qas-svc	svc-btp-qas@...	read:collections, read:dictionary, read:revisions	2026-02-01	2026-08-01	ACTIVE
analytics-readonly	svc-analytics@...	read:models, read:revisions	2025-11-20	2026-05-20	EXPIRES SOON

Token Detail: btp-spine-prod-svc

Identity

Name

btp-spine-prod-svc

Service Account

svc-btp-ingest@org.com

Owner

Integration Platform Team

Workspace

PROD

Token Pattern

sgnv_.....2A11

Granted Scopes

☒ read:collections (production scope only)

☒ read:dictionary

☒ read:revisions

☐ read:drafts (excluded)

☐ write:* (excluded)

☐ admin:* (excluded)

Least-privilege scoping for spine ingestion

Lifecycle

Created

2026-01-15 by A. Rivera

Last rotated

2026-01-15

Expires

2026-07-15 (67 days)

Successor token

Not yet provisioned

Stored at

SAP BTP Credential Store

Used by destination

SIGNAVIO_PROD

Provision Successor

Revoke Token

Figure 4.3

Figures from Integrating Architecture, Processes, and AI on SAP BTP

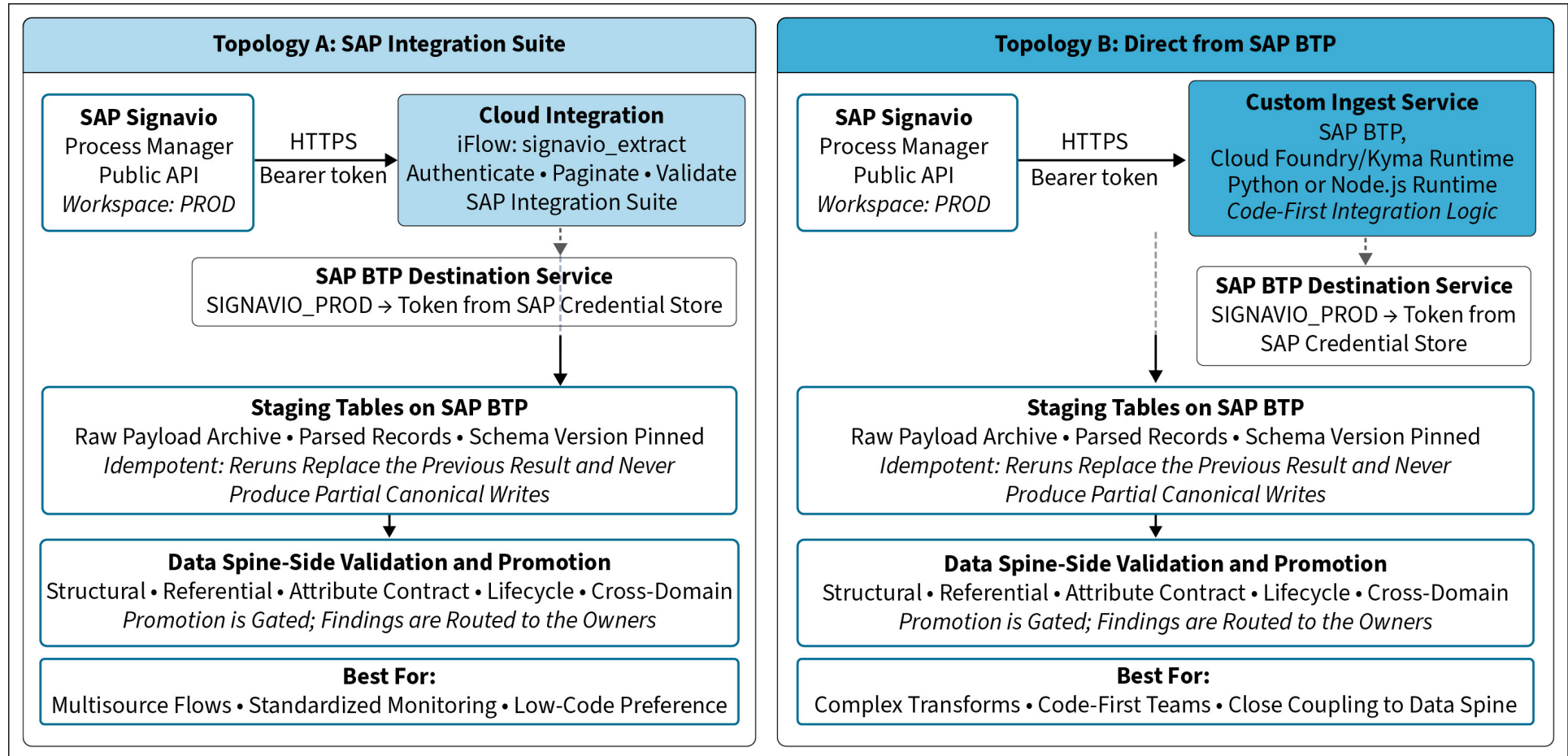


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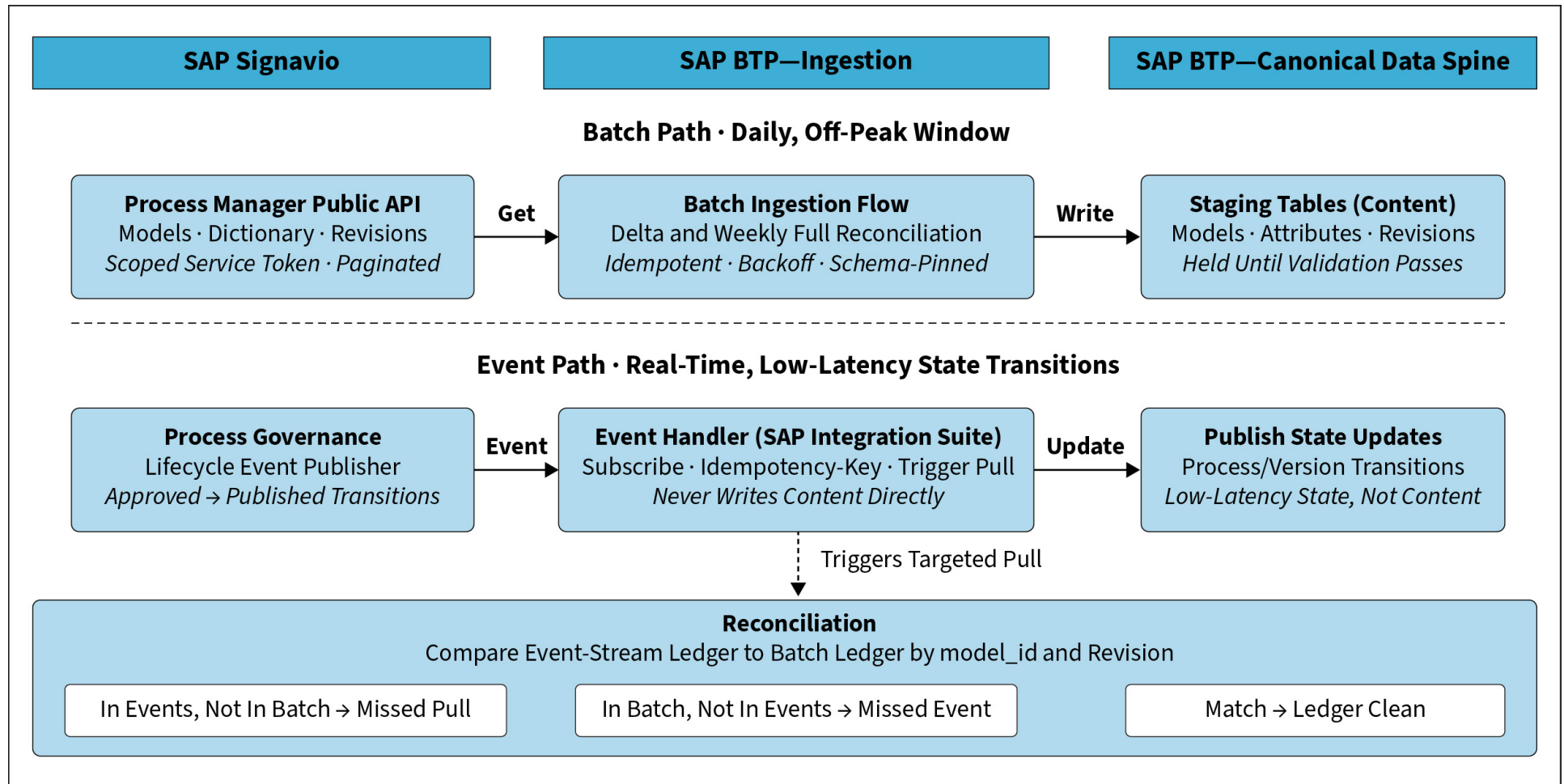


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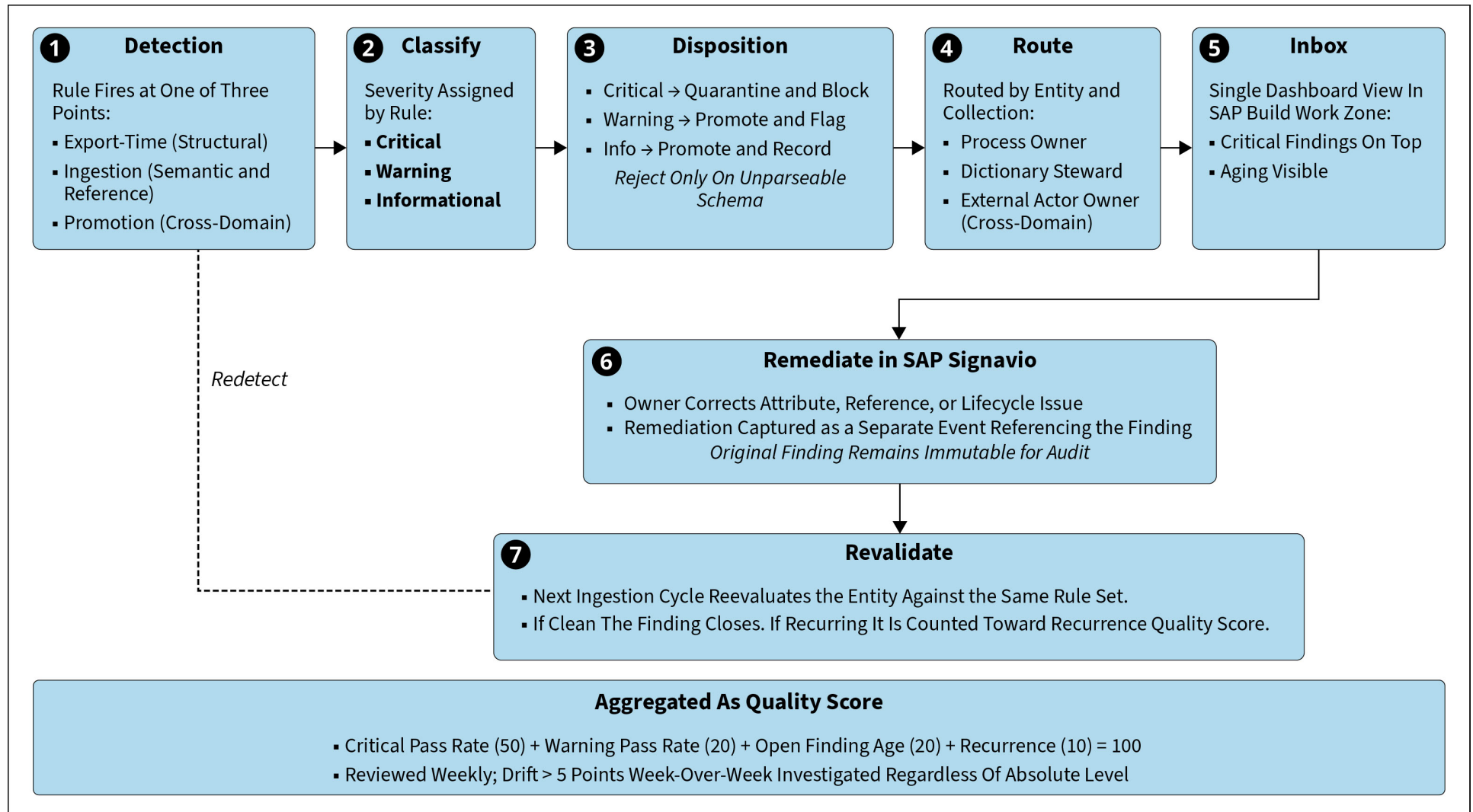


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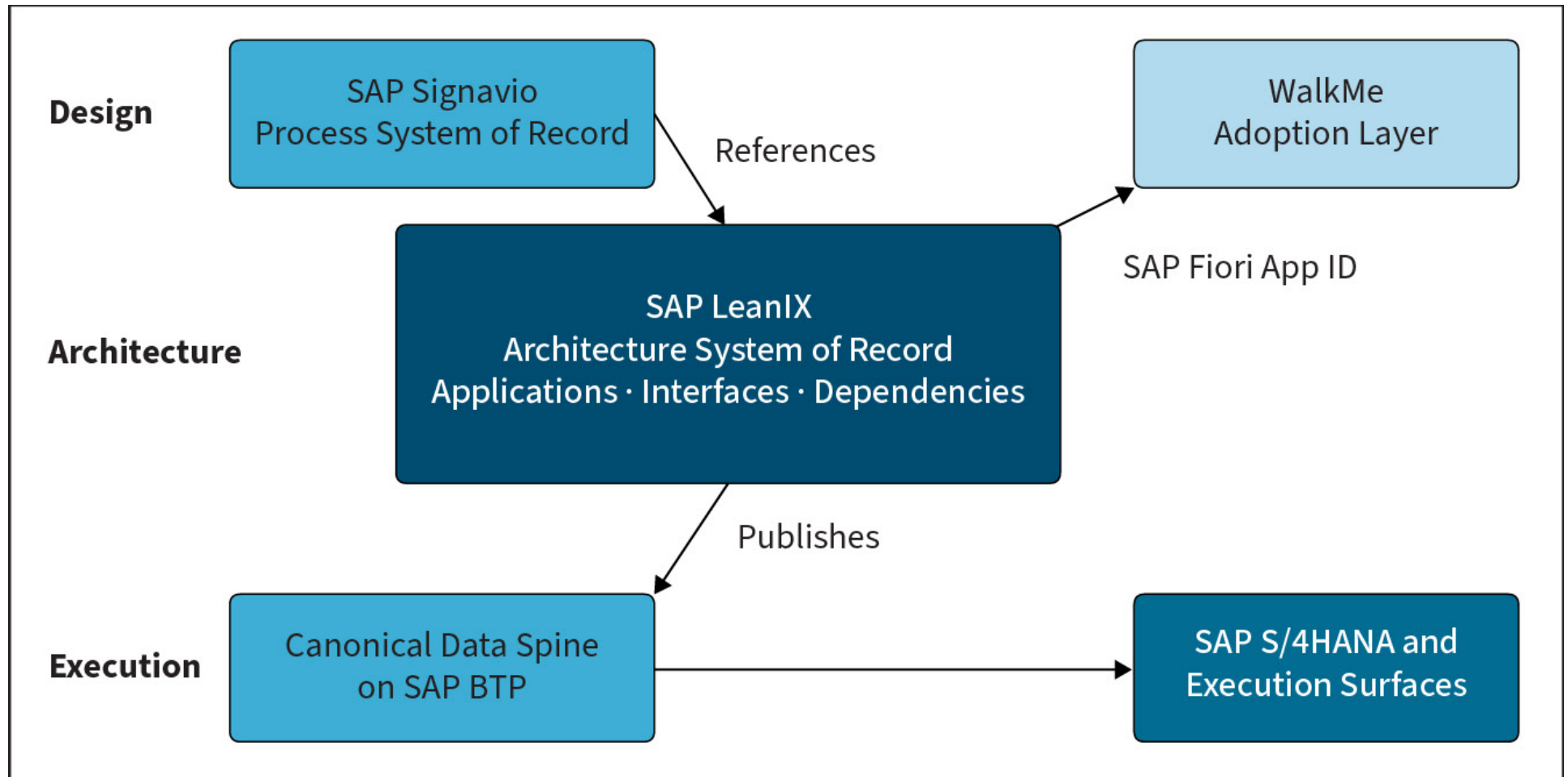


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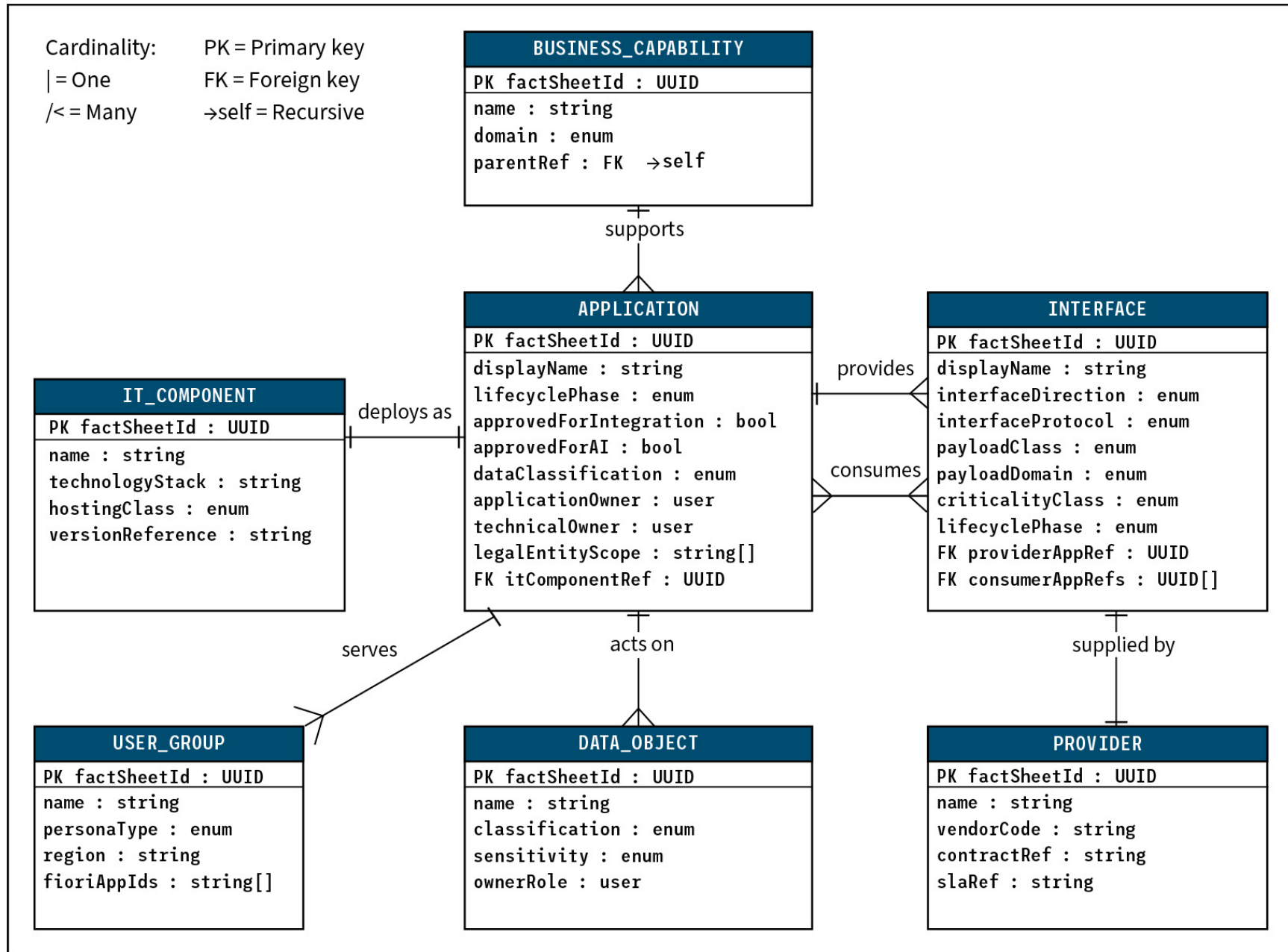


Figure 5.2

Application Fact Sheet—factSheetId: af-12345

Identity

- external_ref: S/4 System ID
- ITcomponent Reference
- displayName
- factSheetId (stable)

Lifecycle

- lifecycle.phaseIn · phaseOut
- lifecycle.active · endOfLife
- approvedForIntegration flag
- approvedForAI flag

References

- processSteps (Activity_Stable_ID[])
- interfacesConsumed[]
- interfacesProvided[]
- businessCapability Links

Governance

- applicationOwner
- technicalOwner
- country/legal-entity scope
- dataClassification

Canonical Data Spine Consumes: factSheetId, lifecycle state, and approvedForIntegration → LEANIX|APPLICATION reference

Figure 5.3

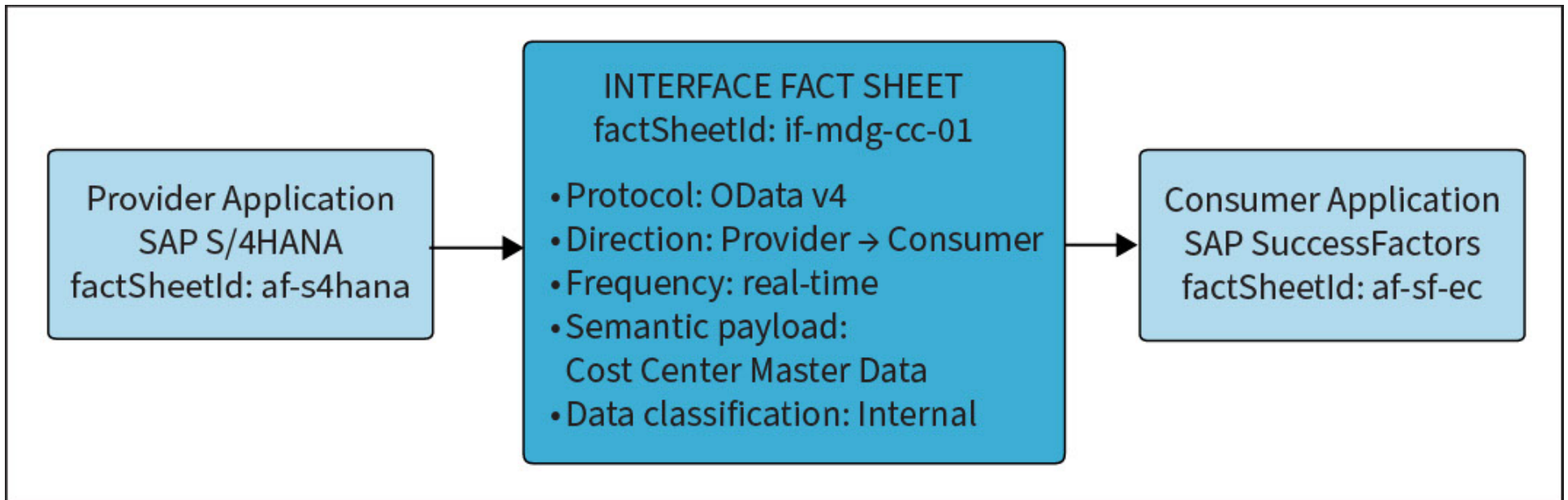


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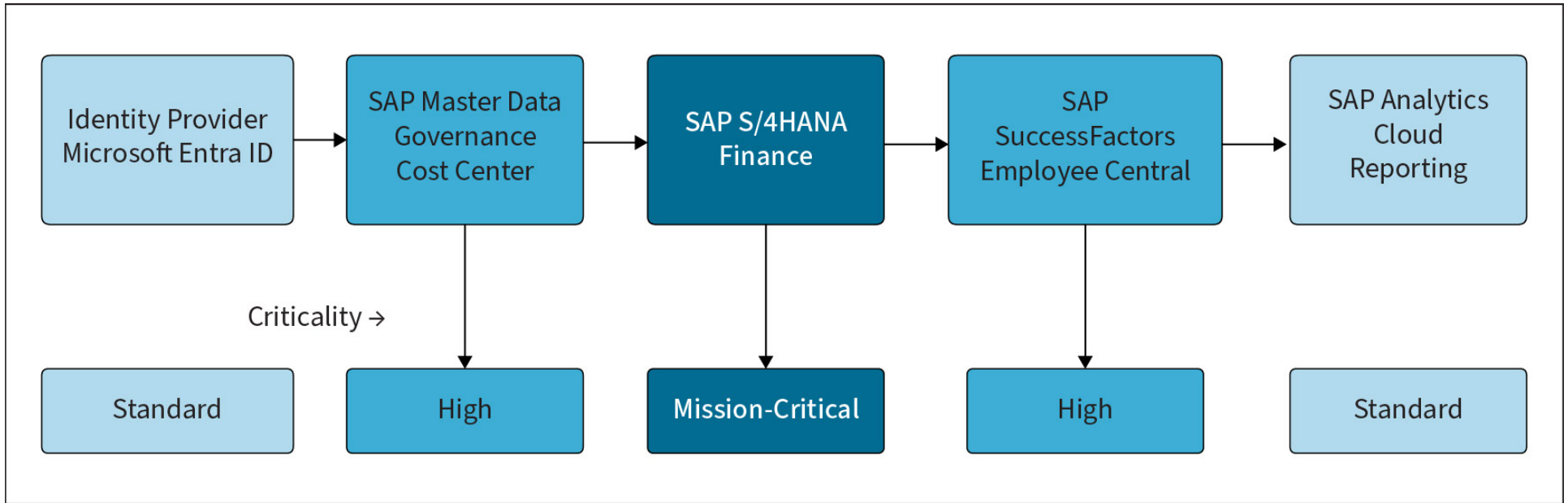


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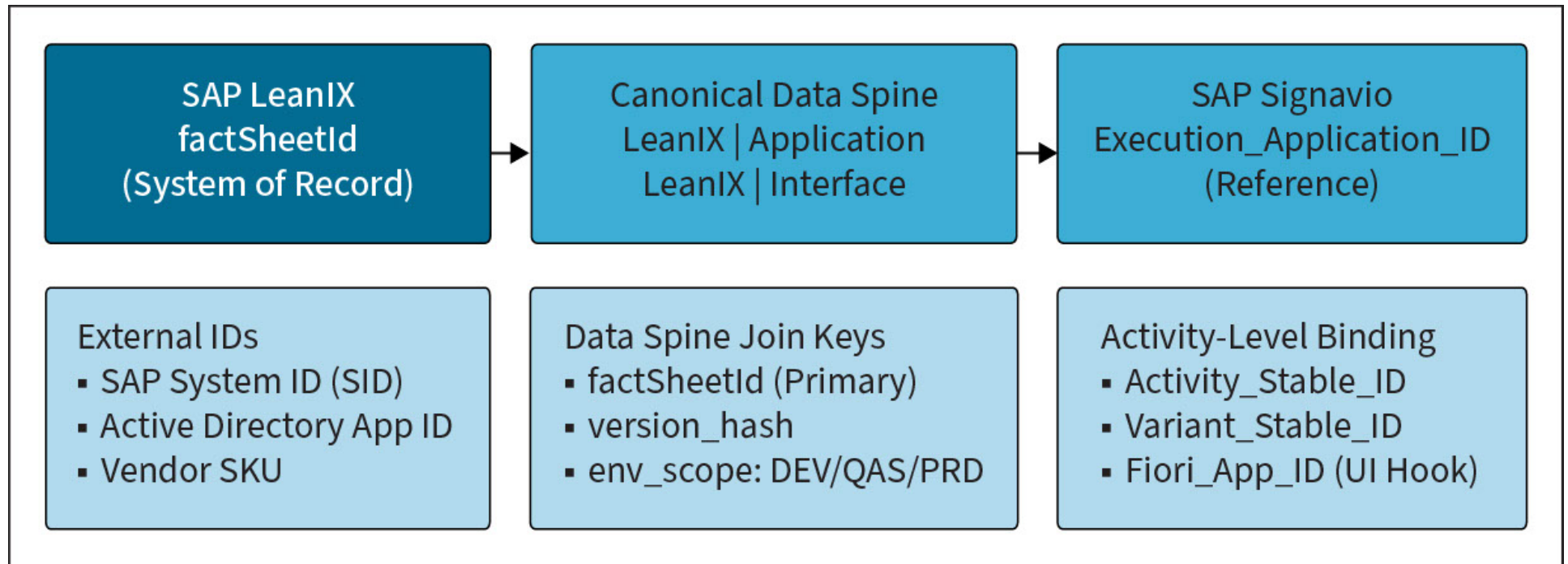


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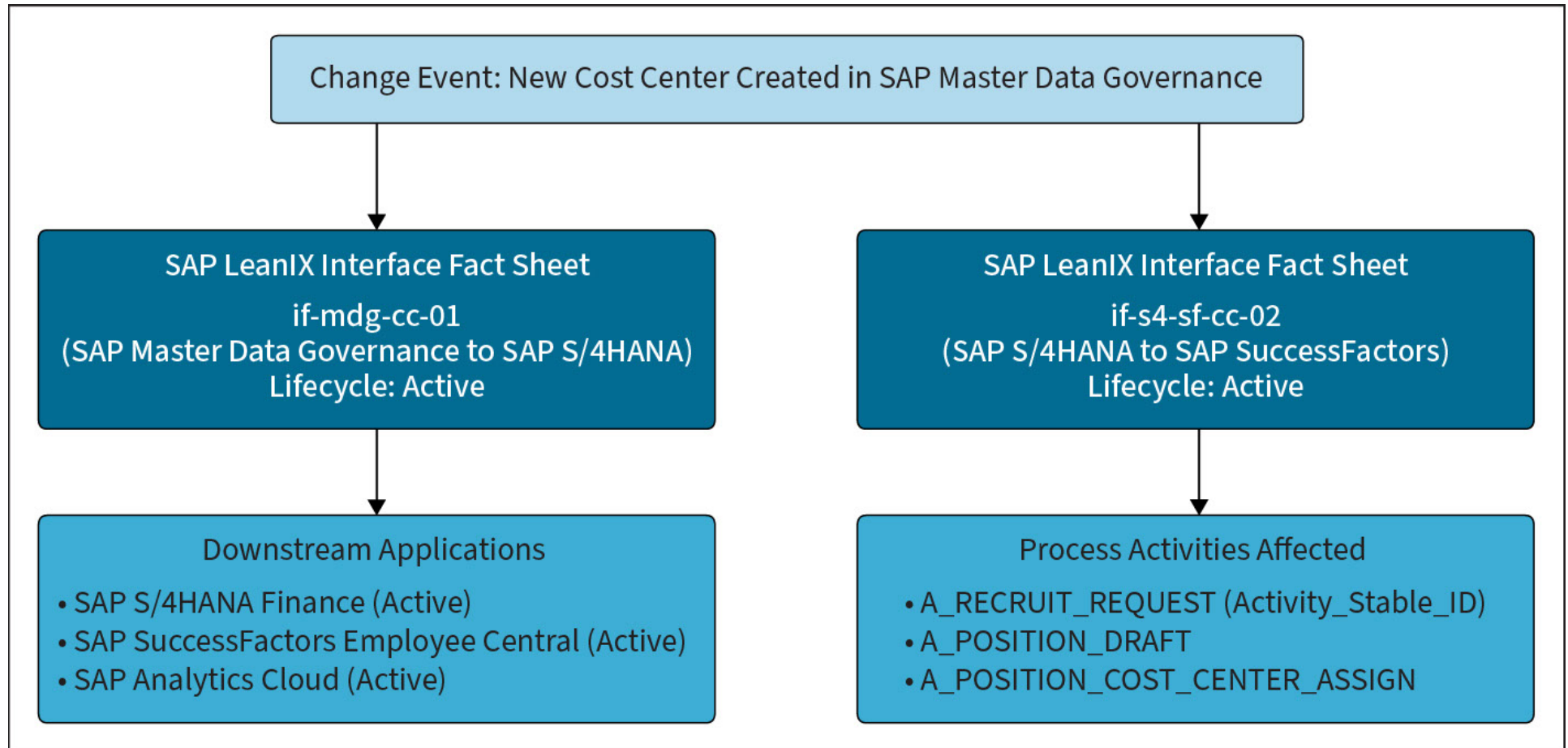


Figure 5.7

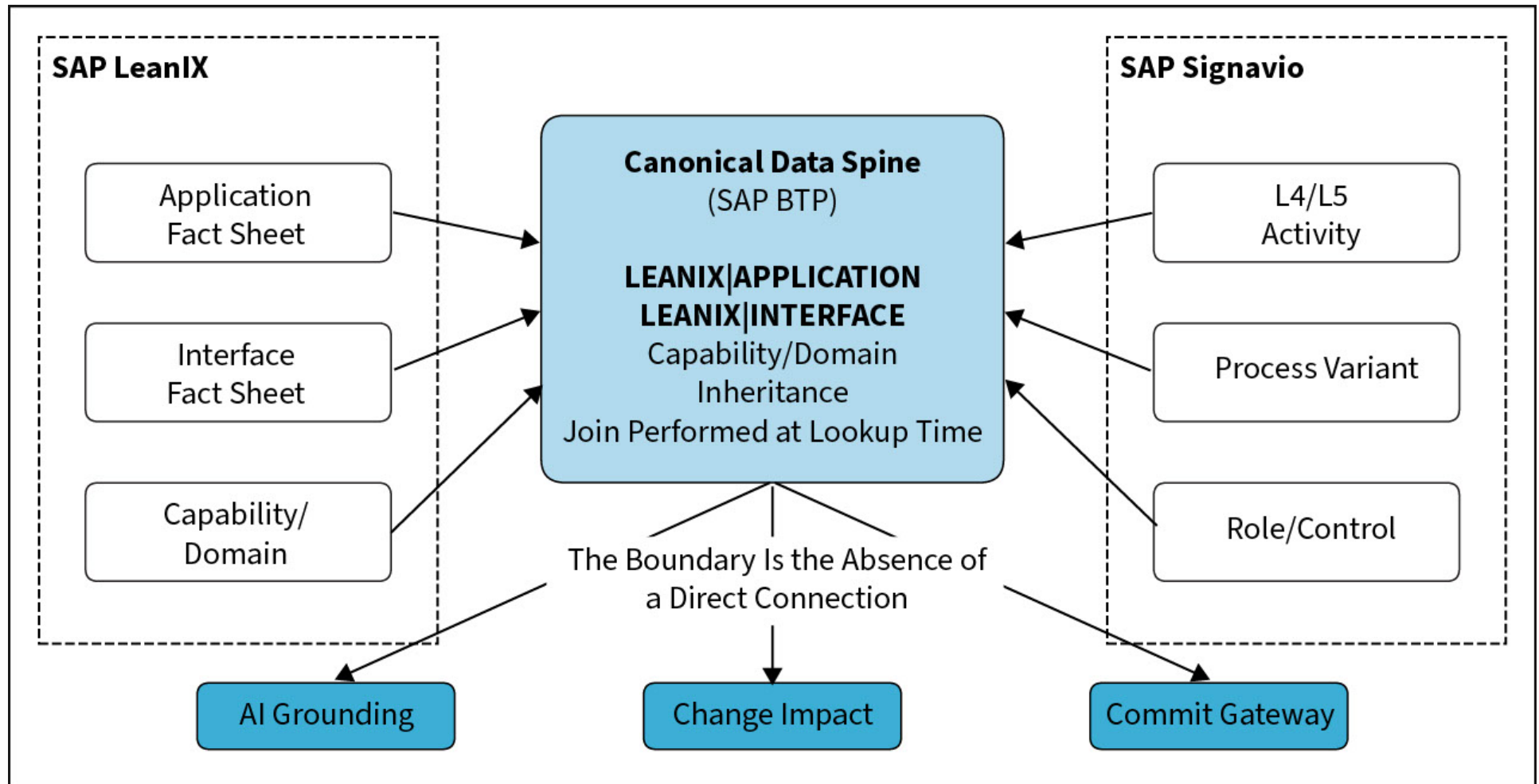


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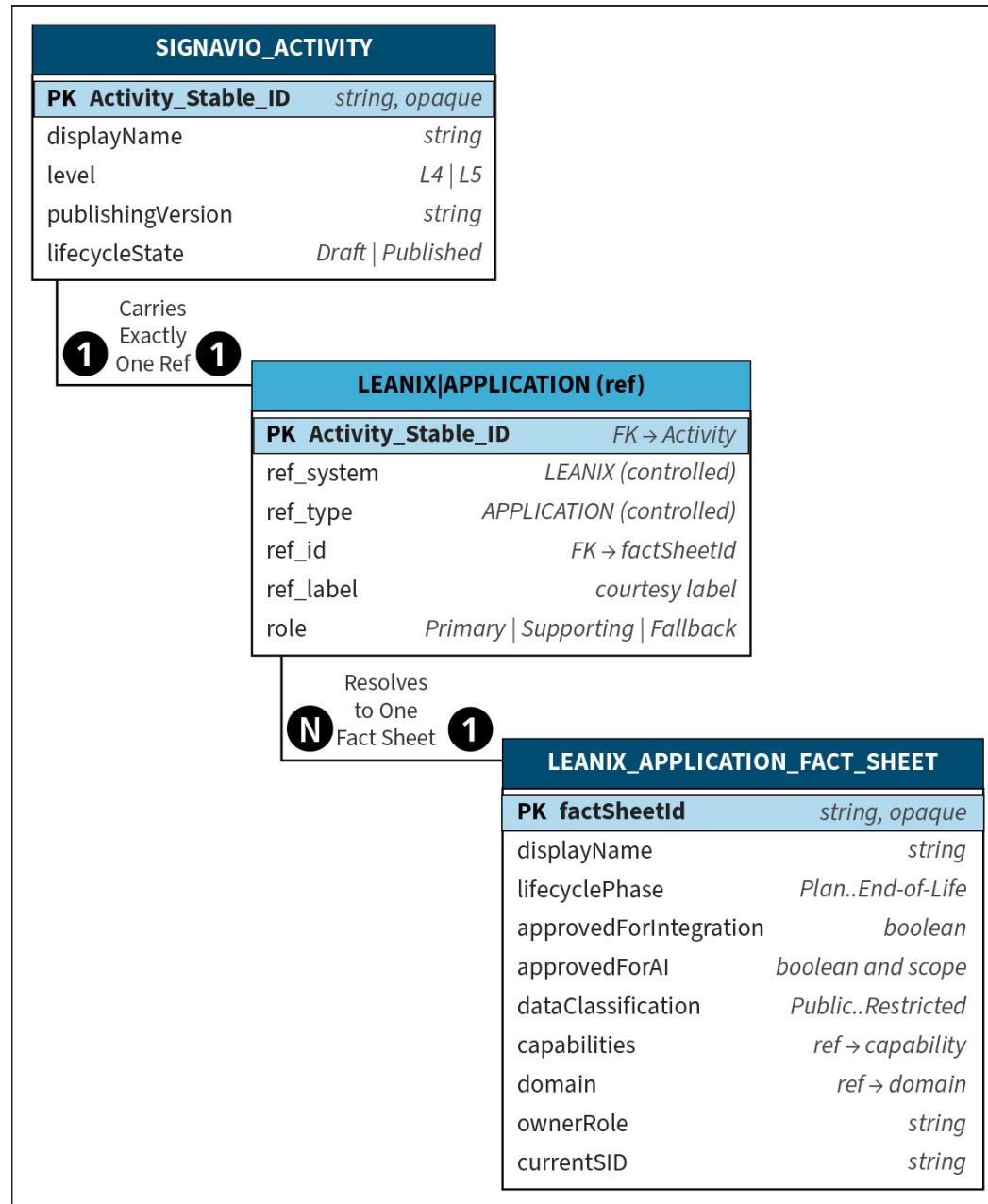


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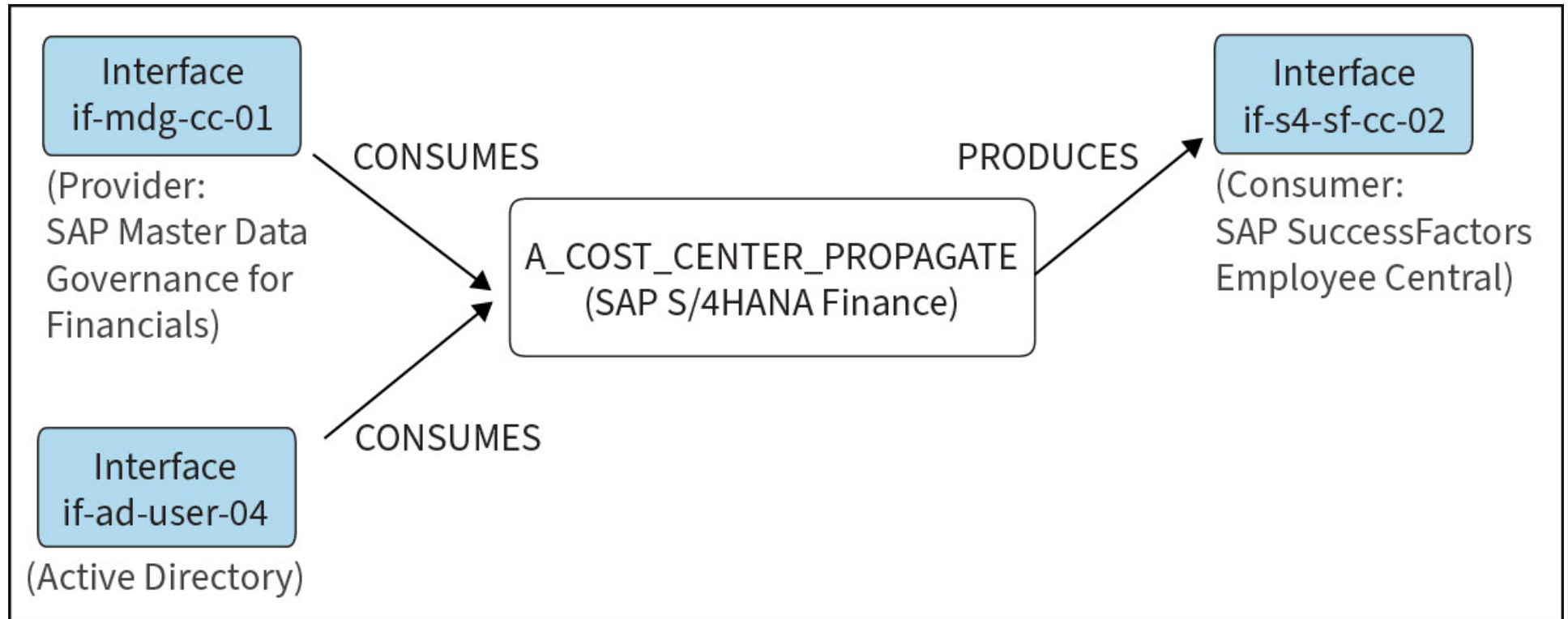


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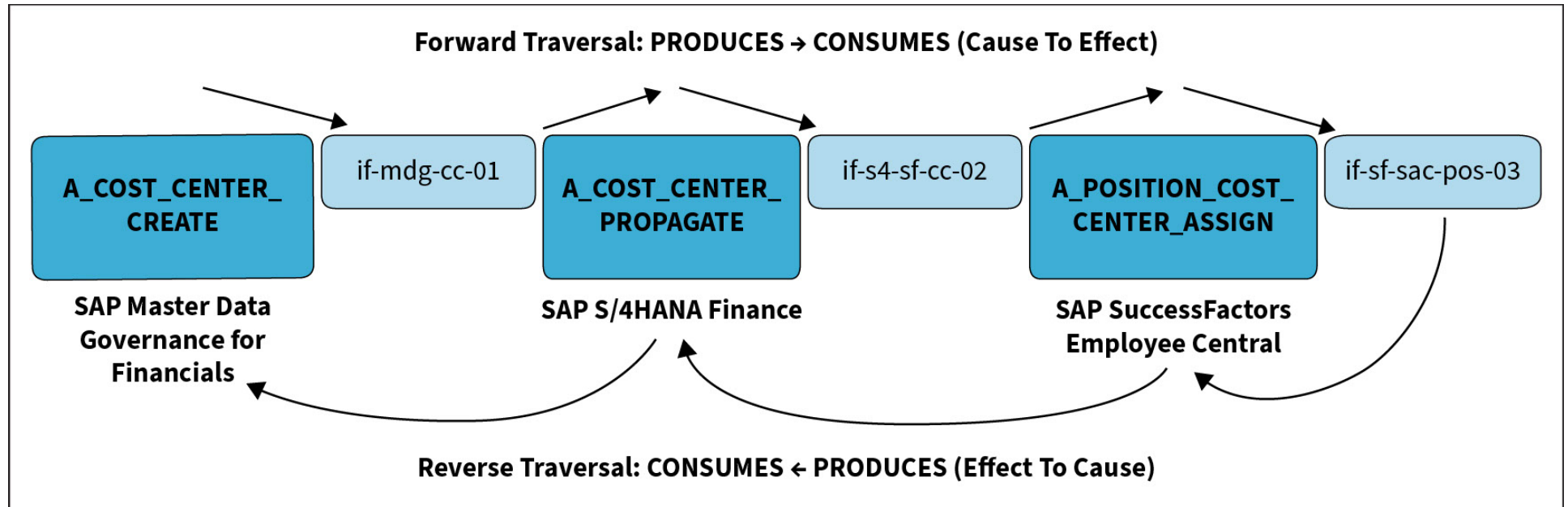


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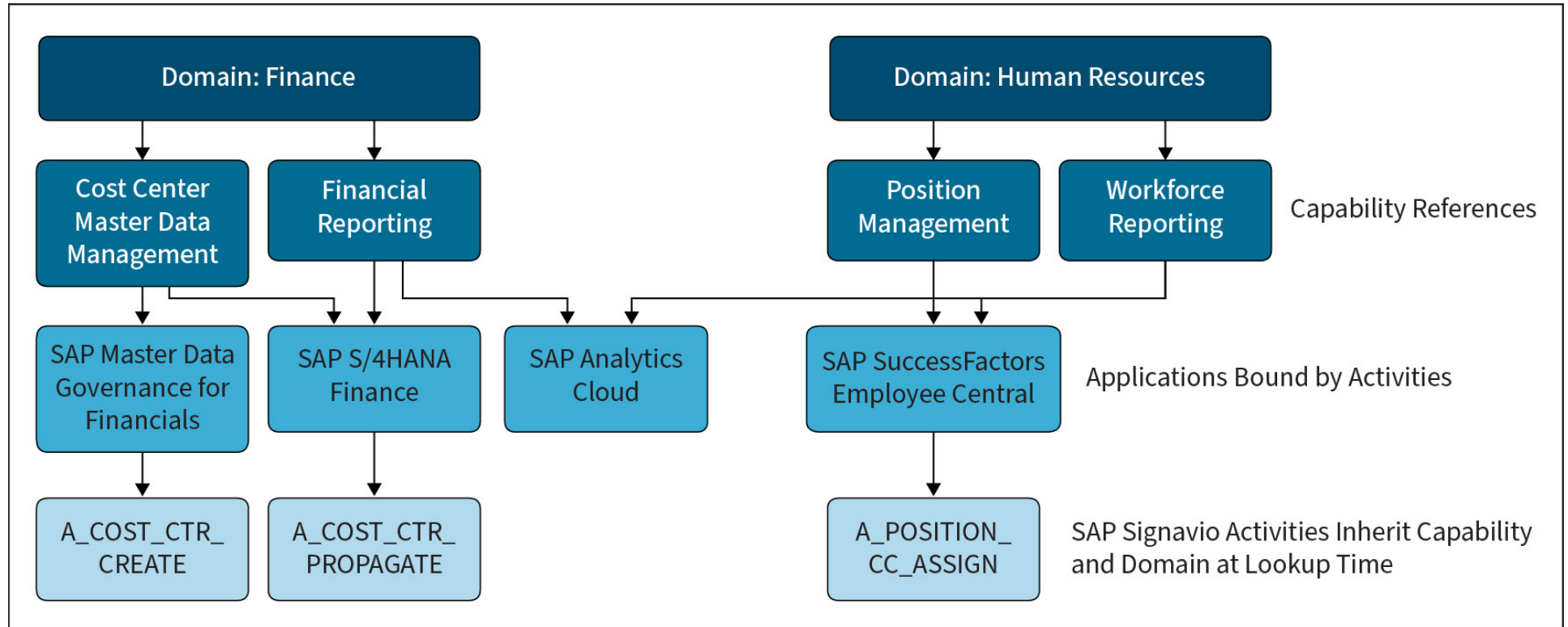


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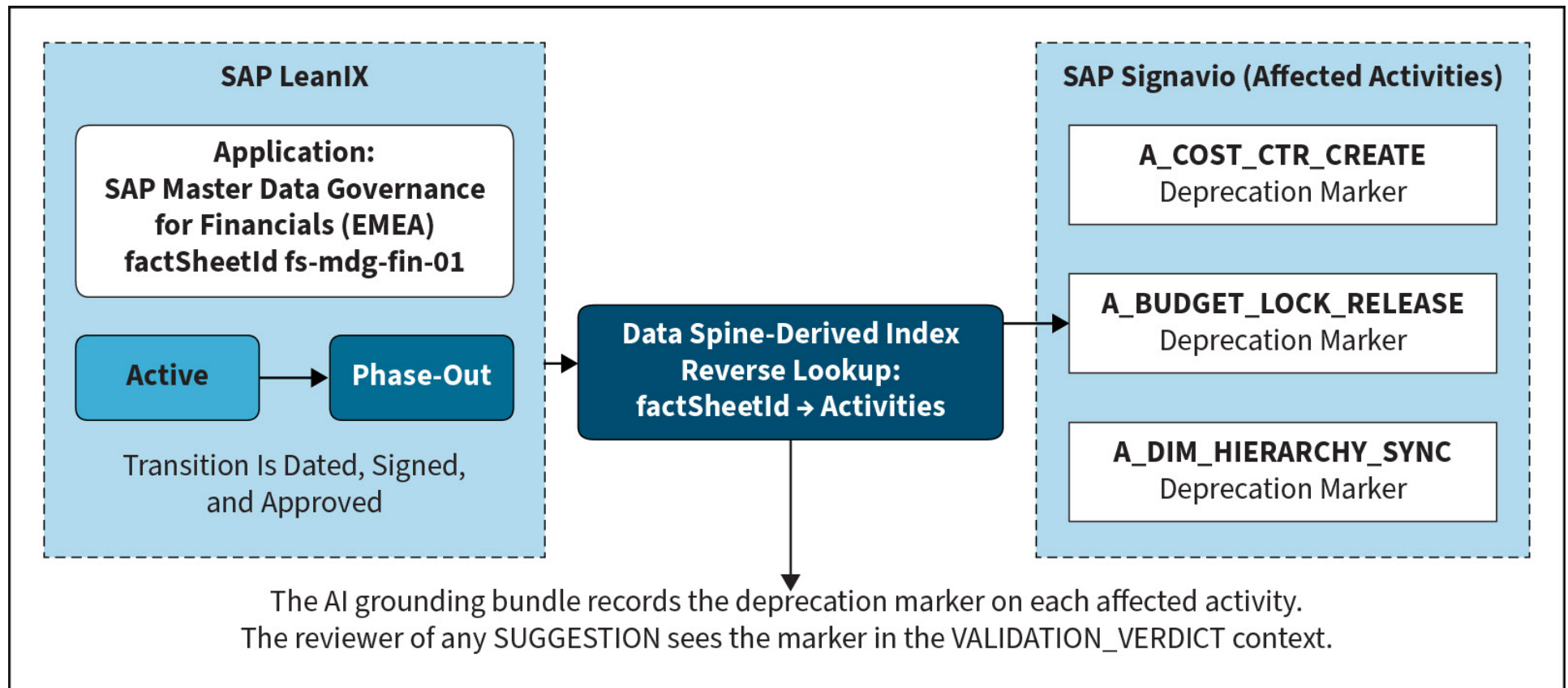


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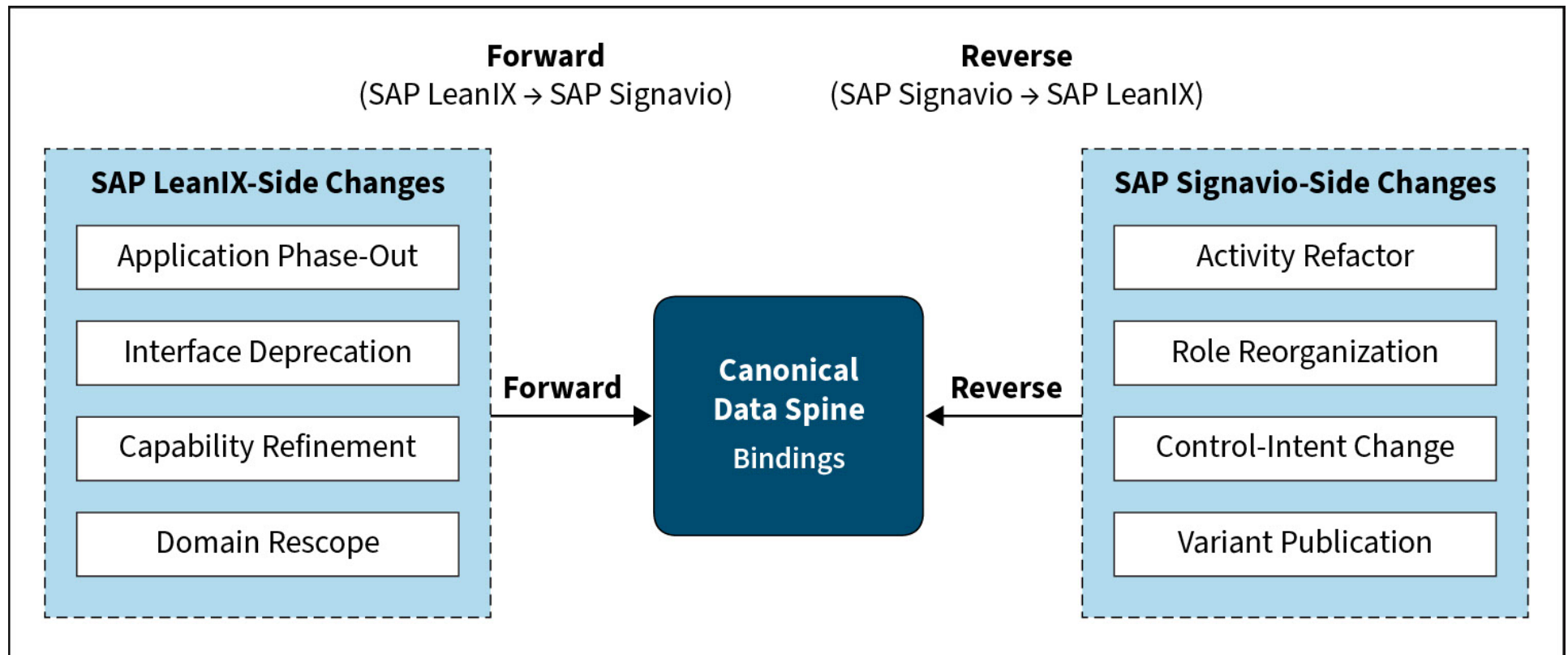


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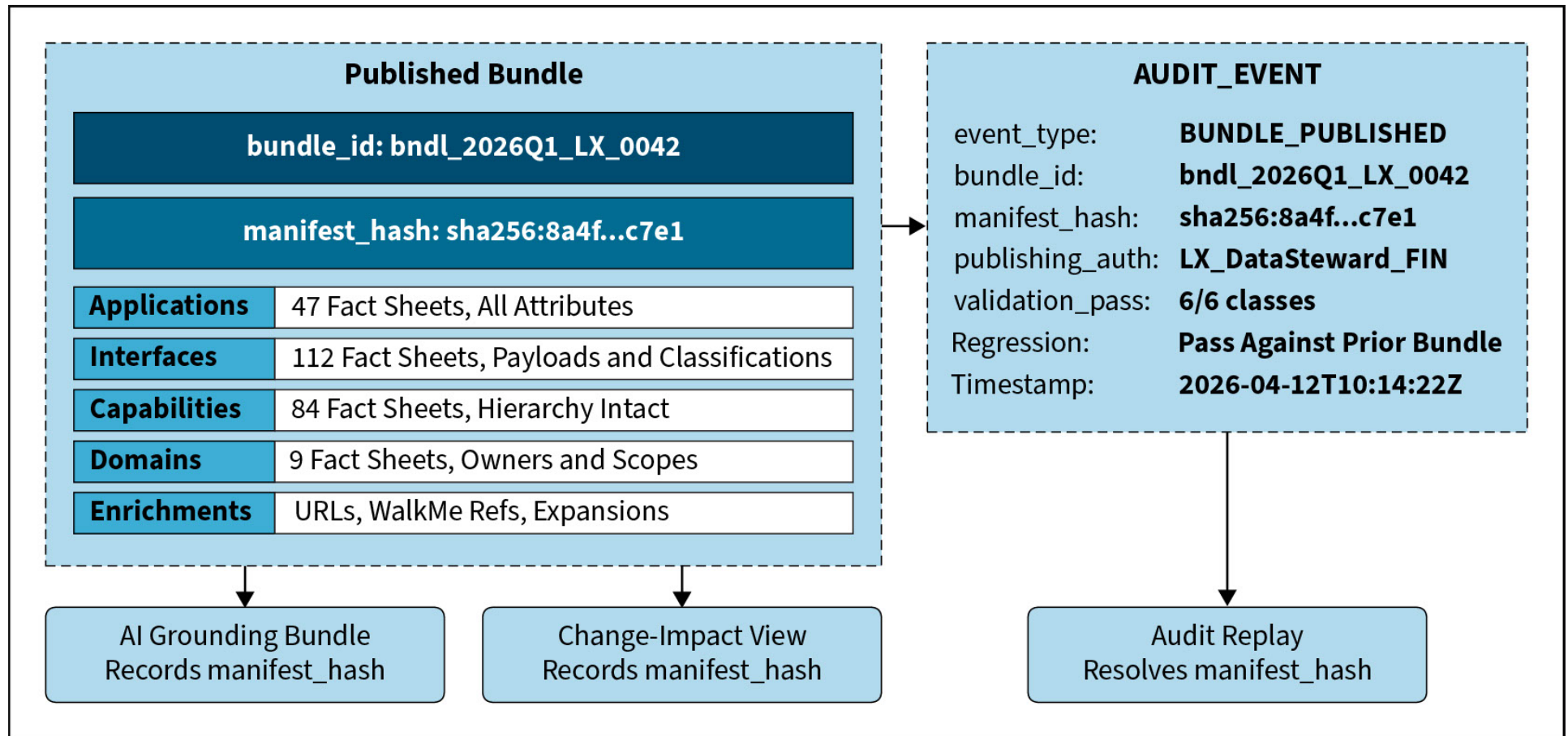


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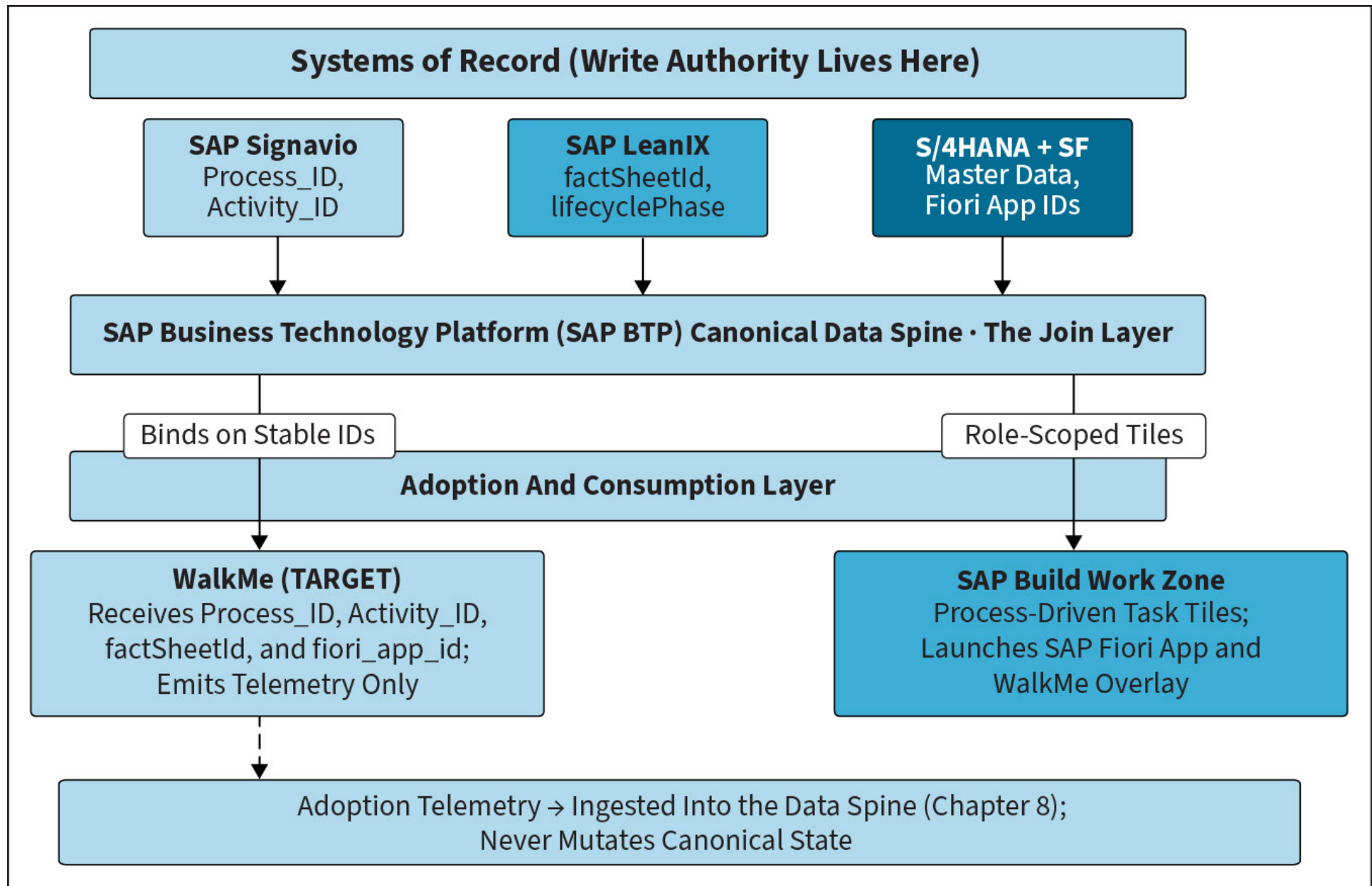


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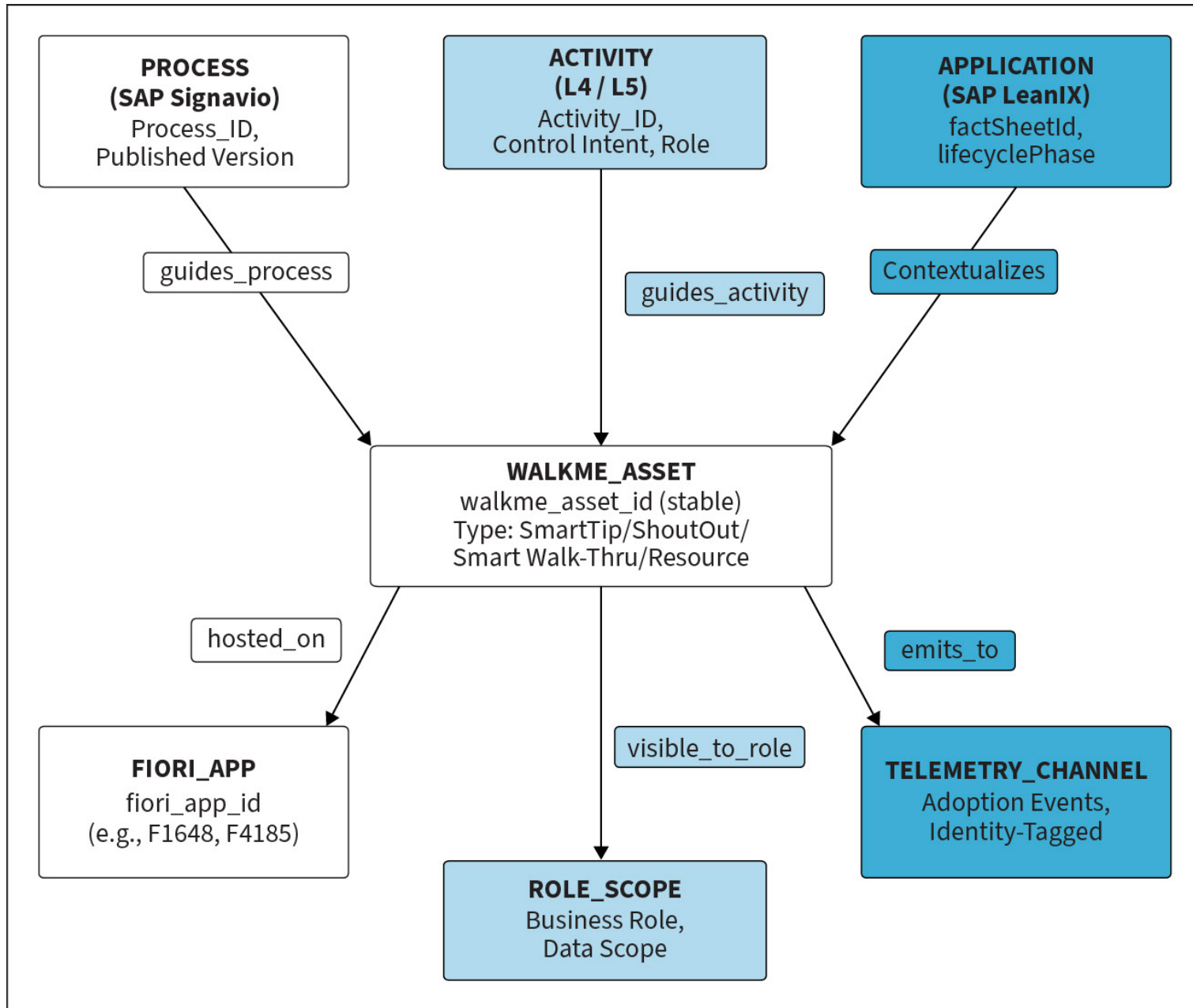


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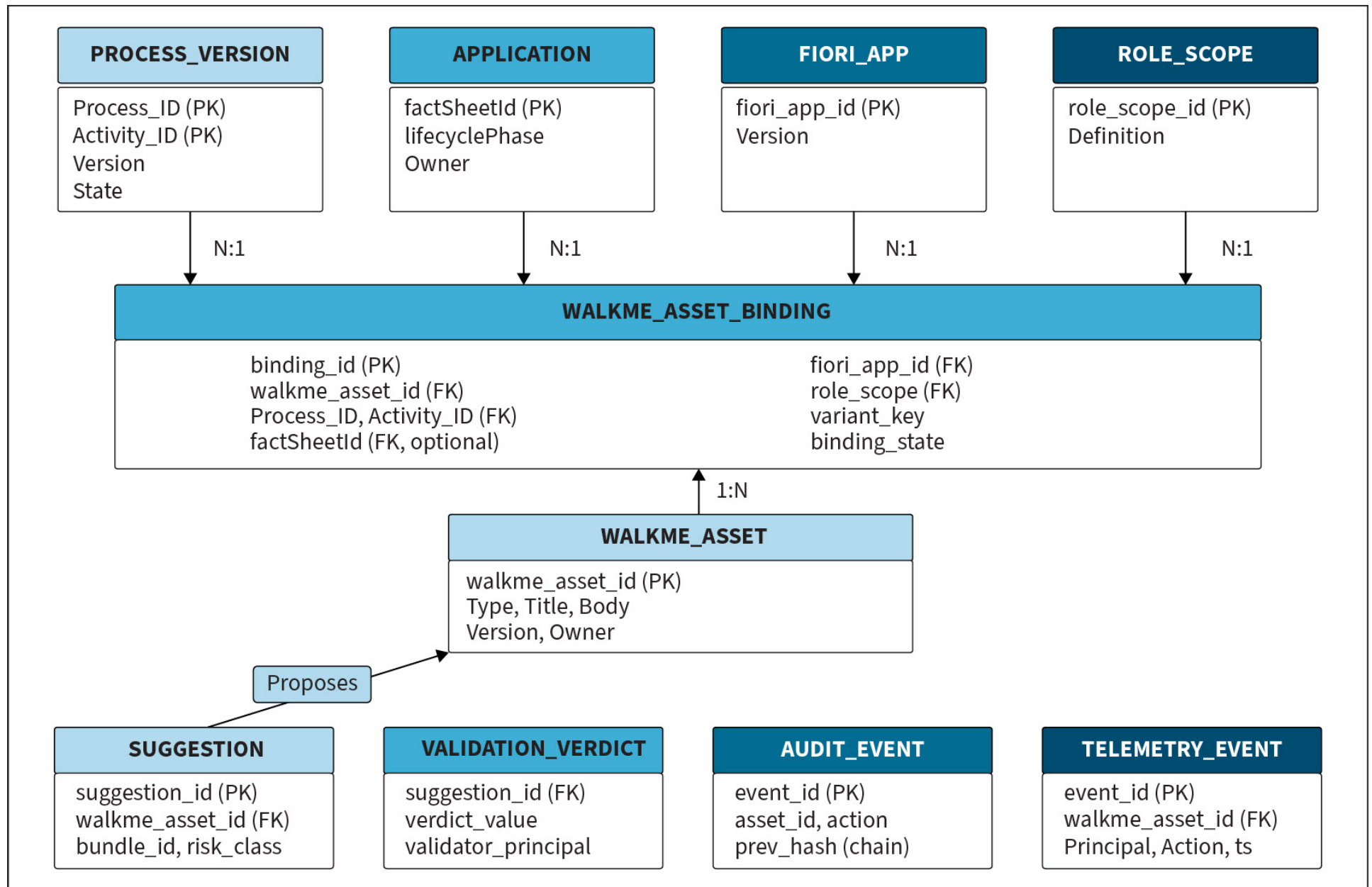


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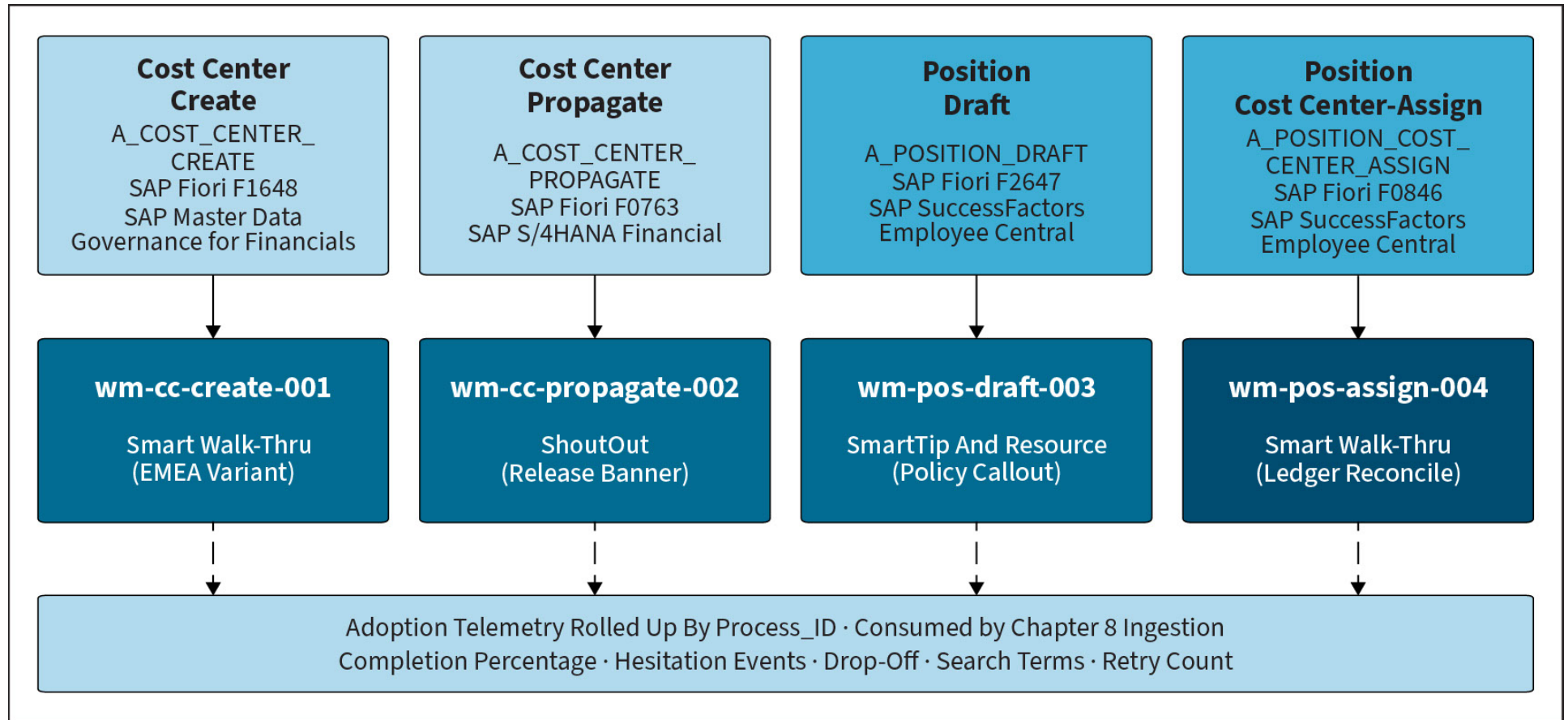


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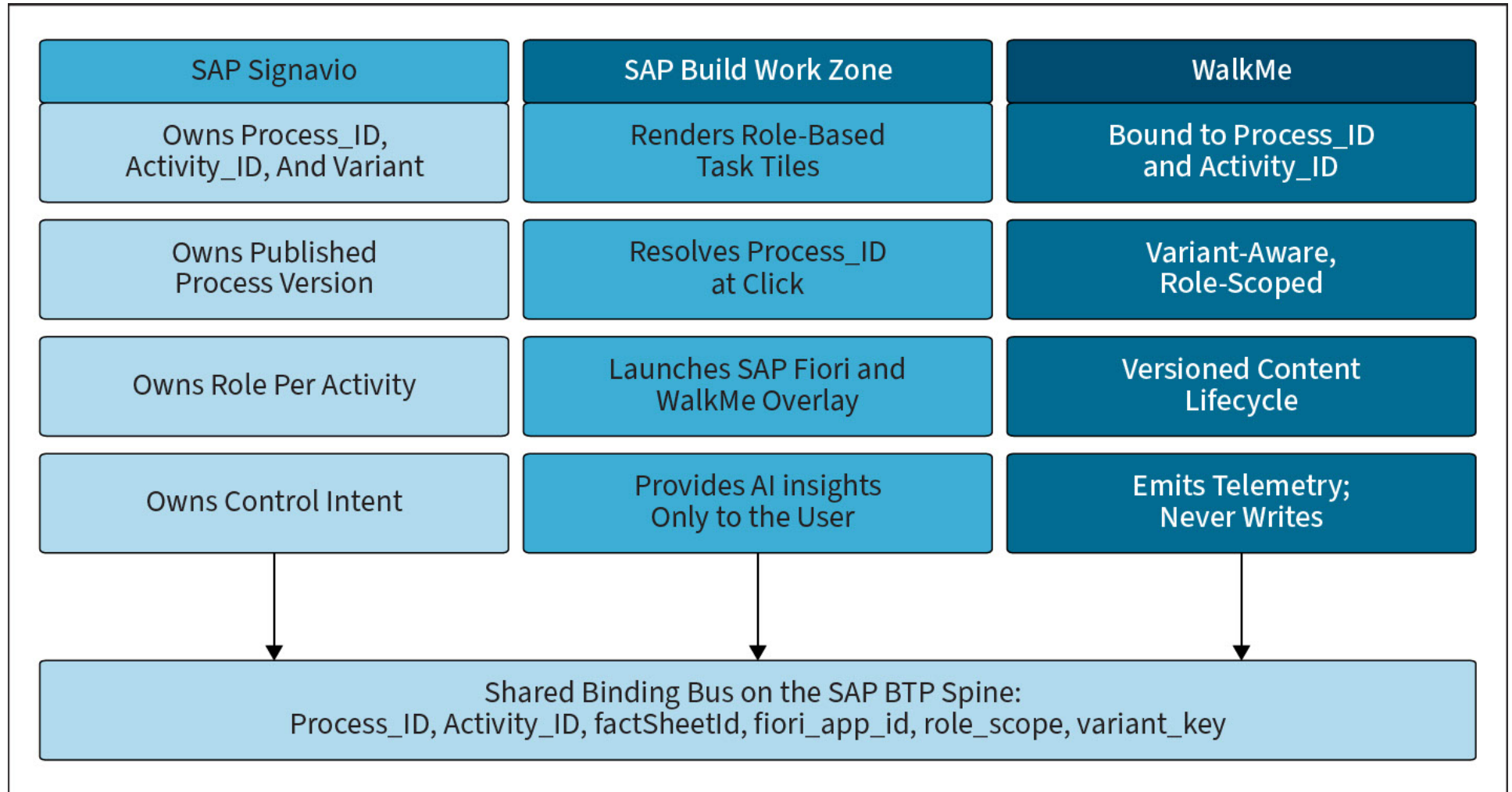


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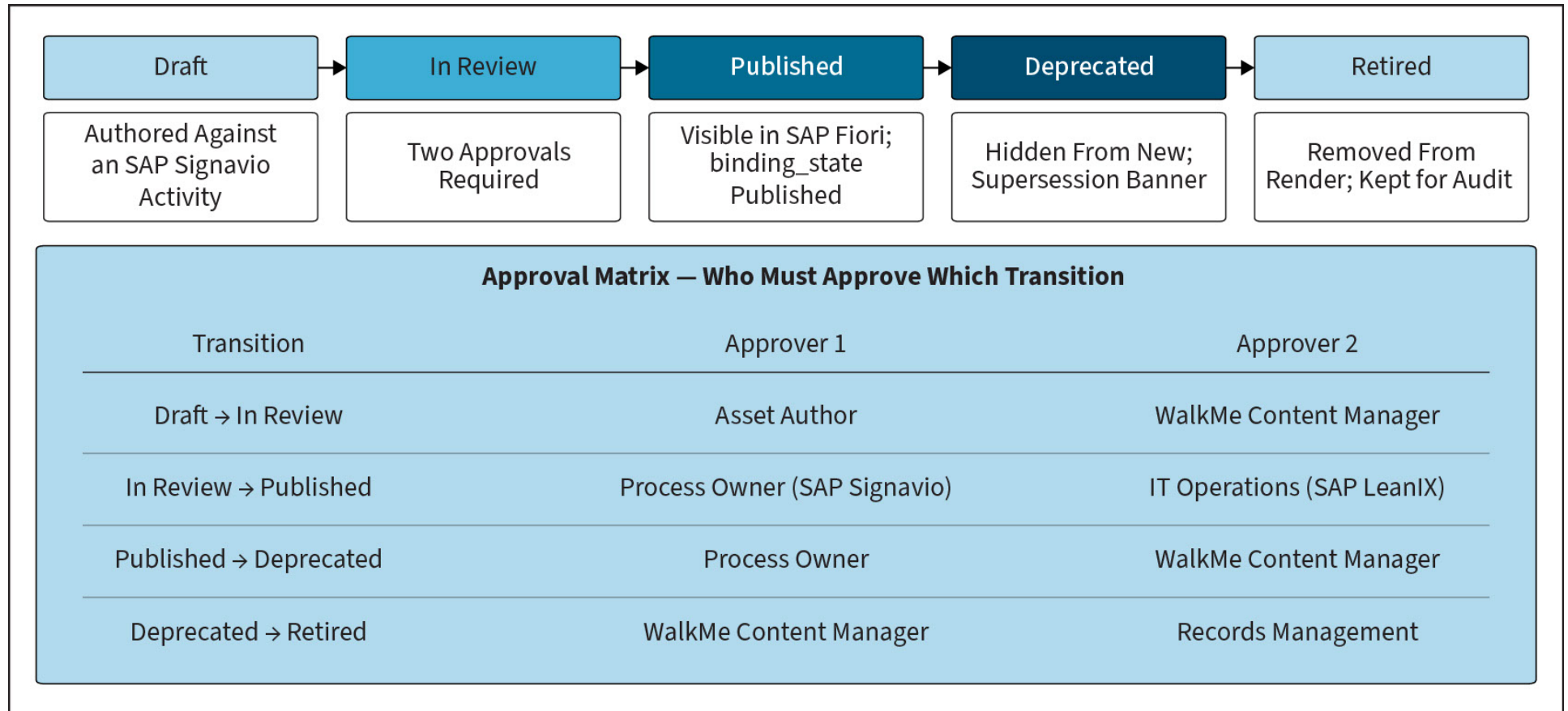


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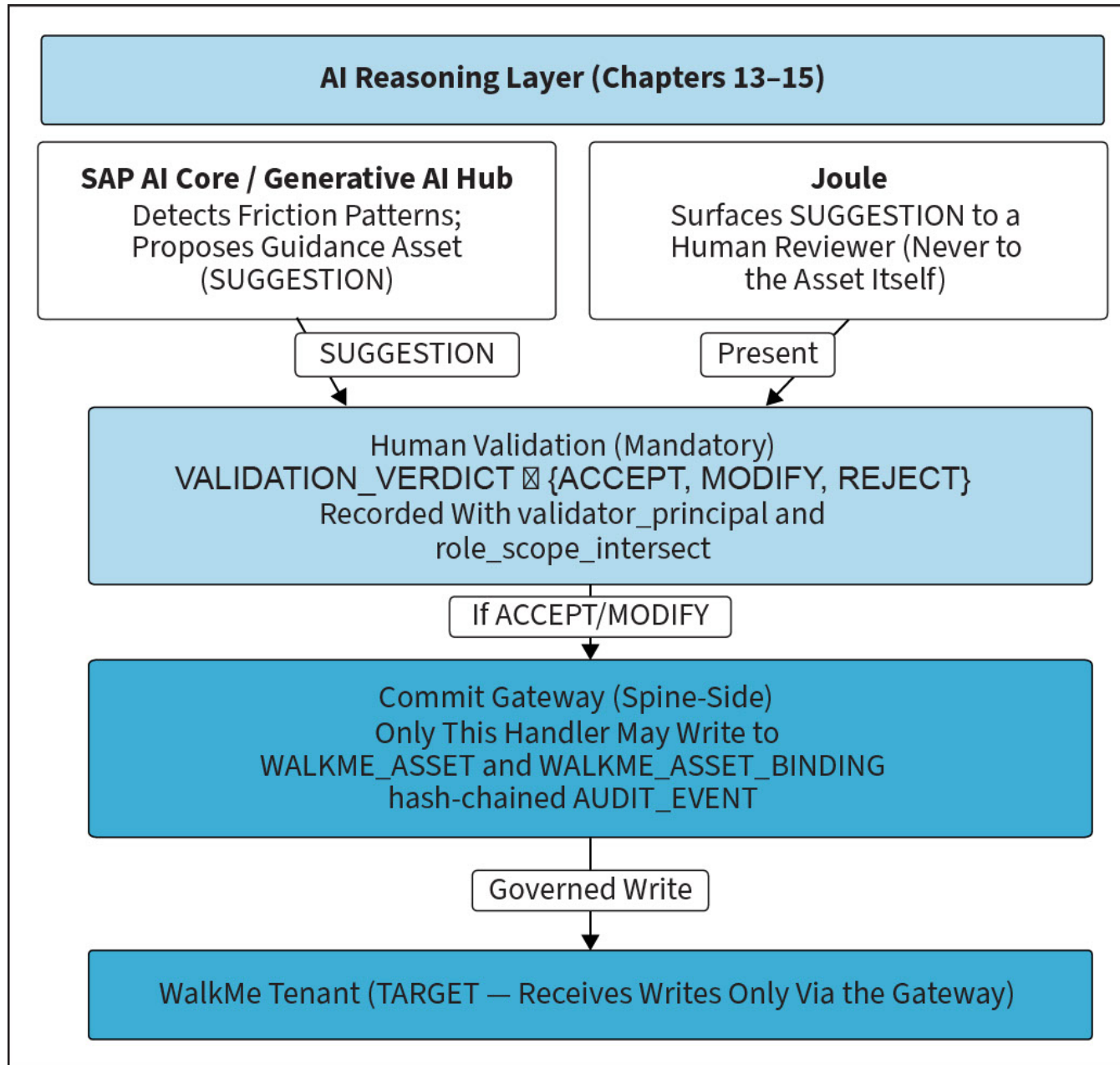


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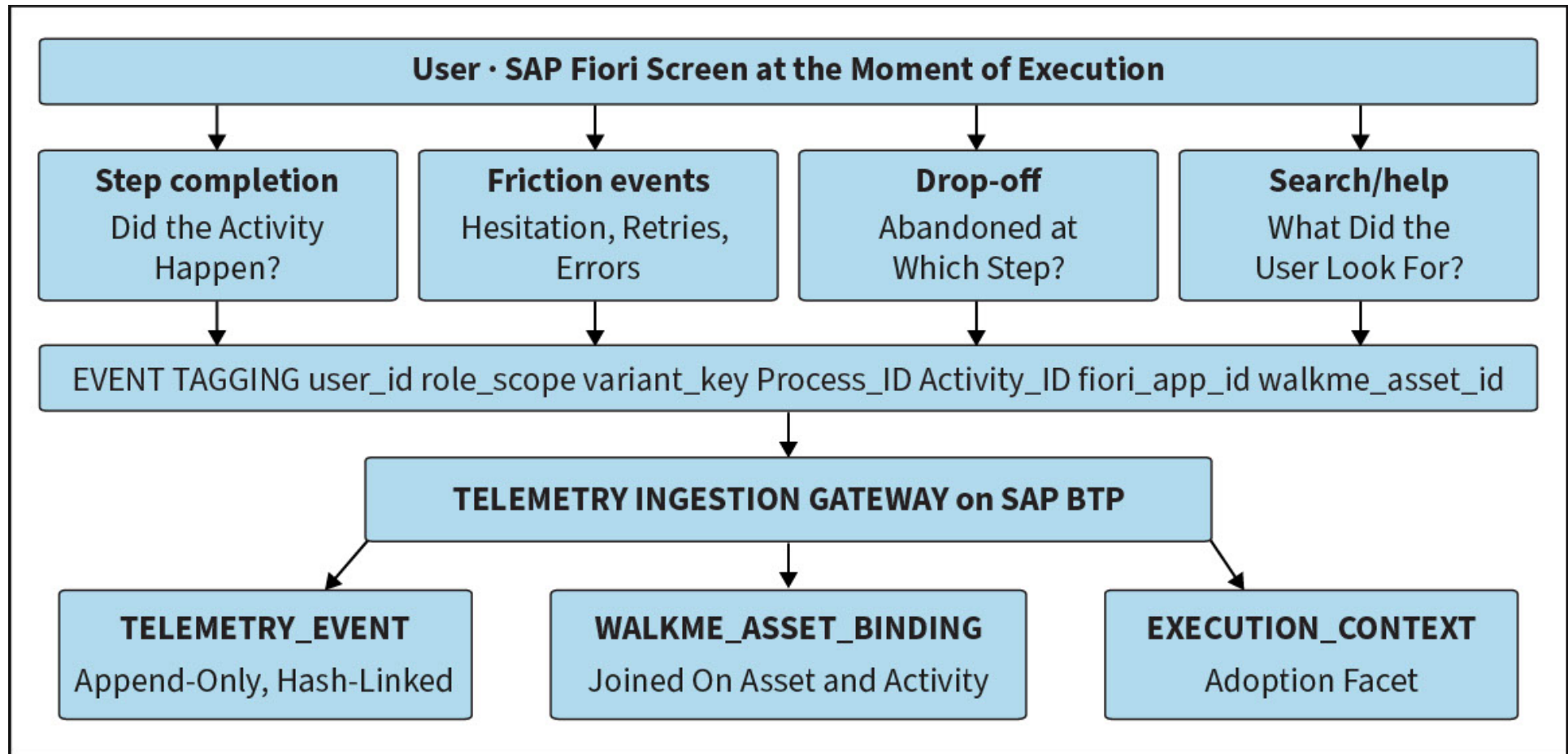


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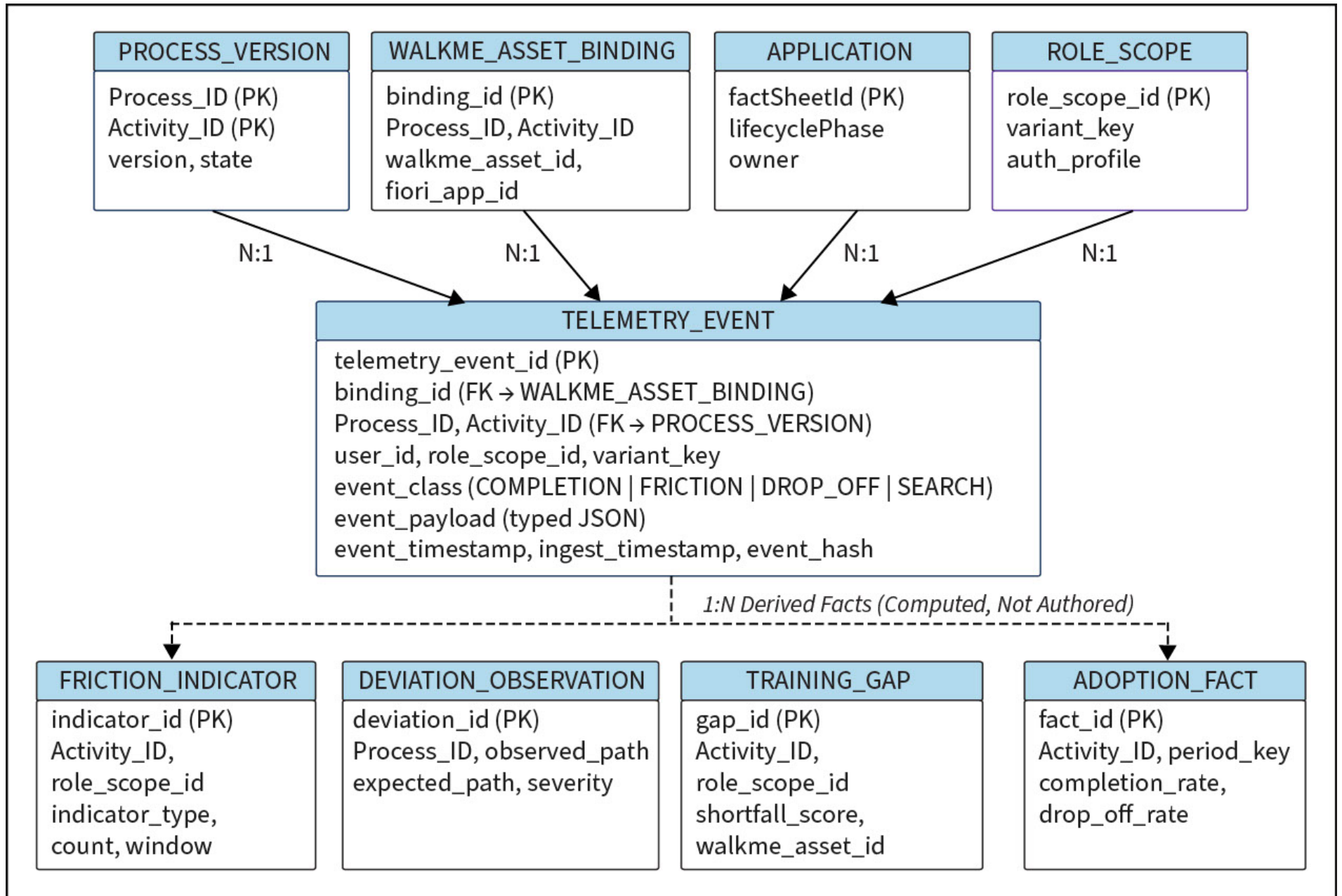


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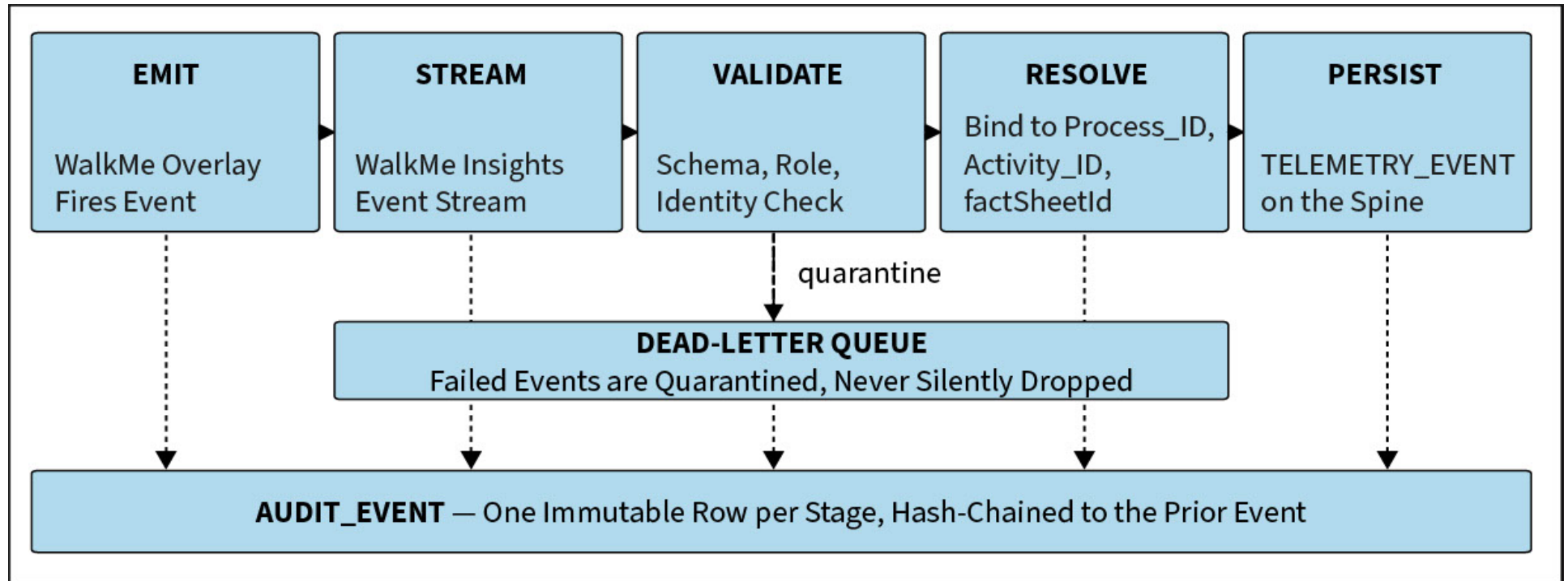


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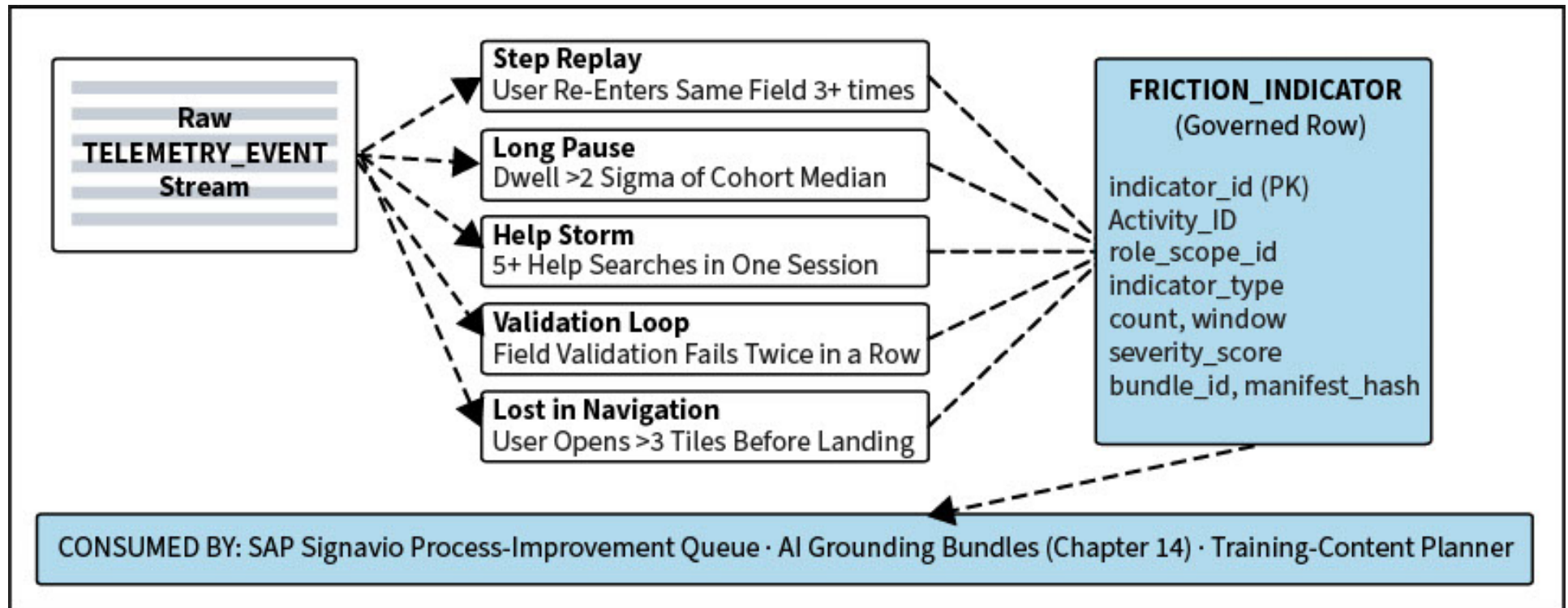


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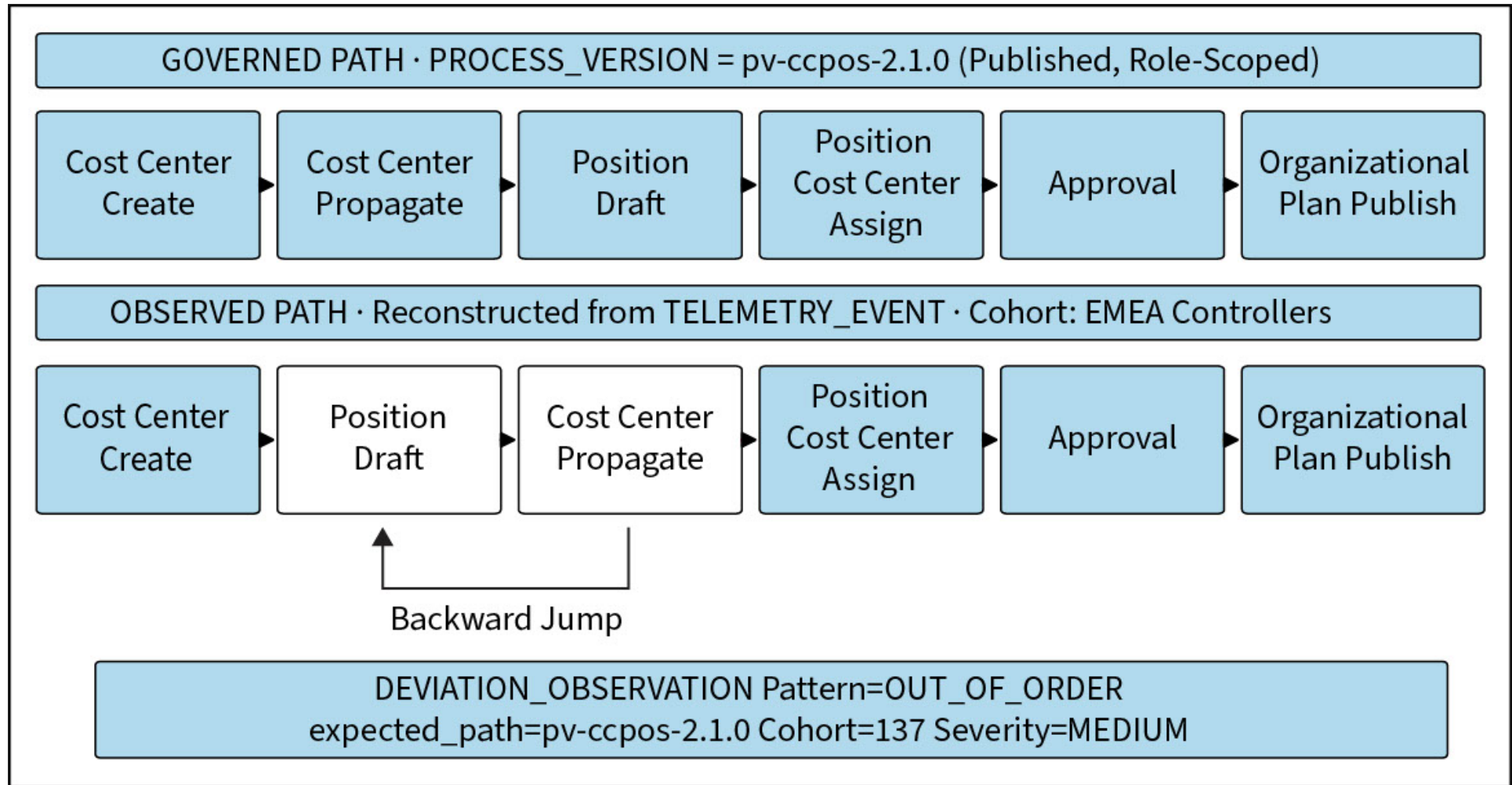


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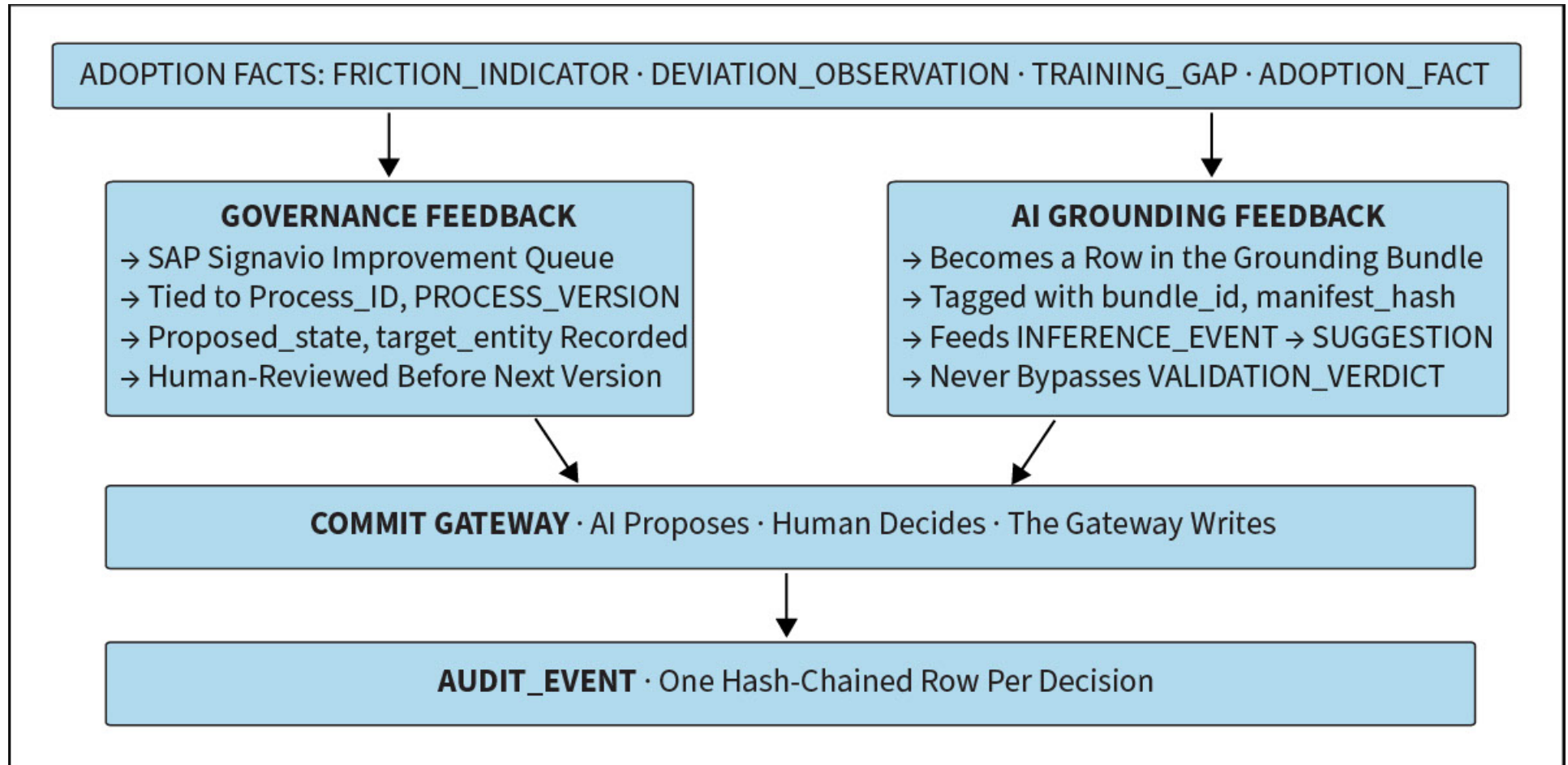


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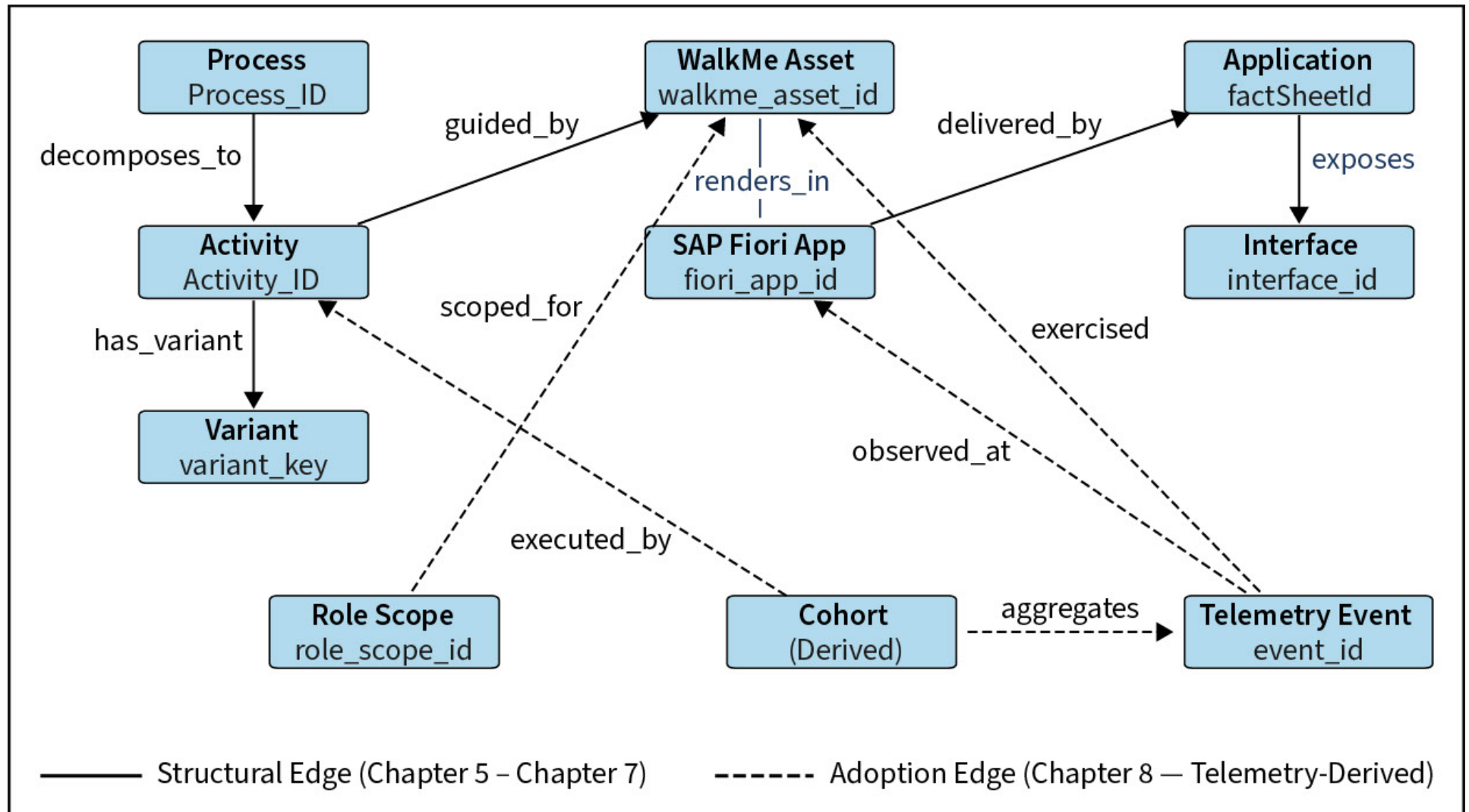


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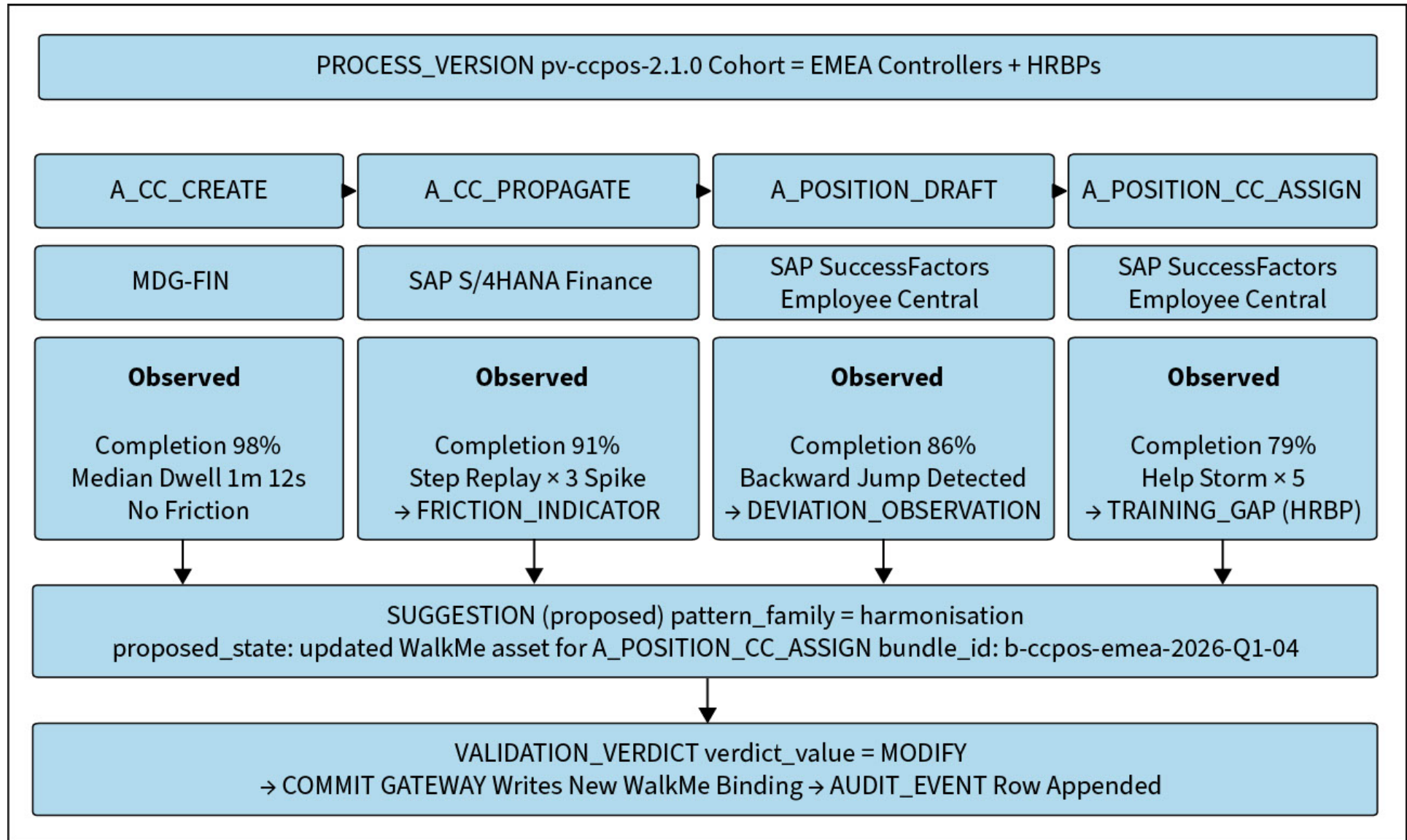


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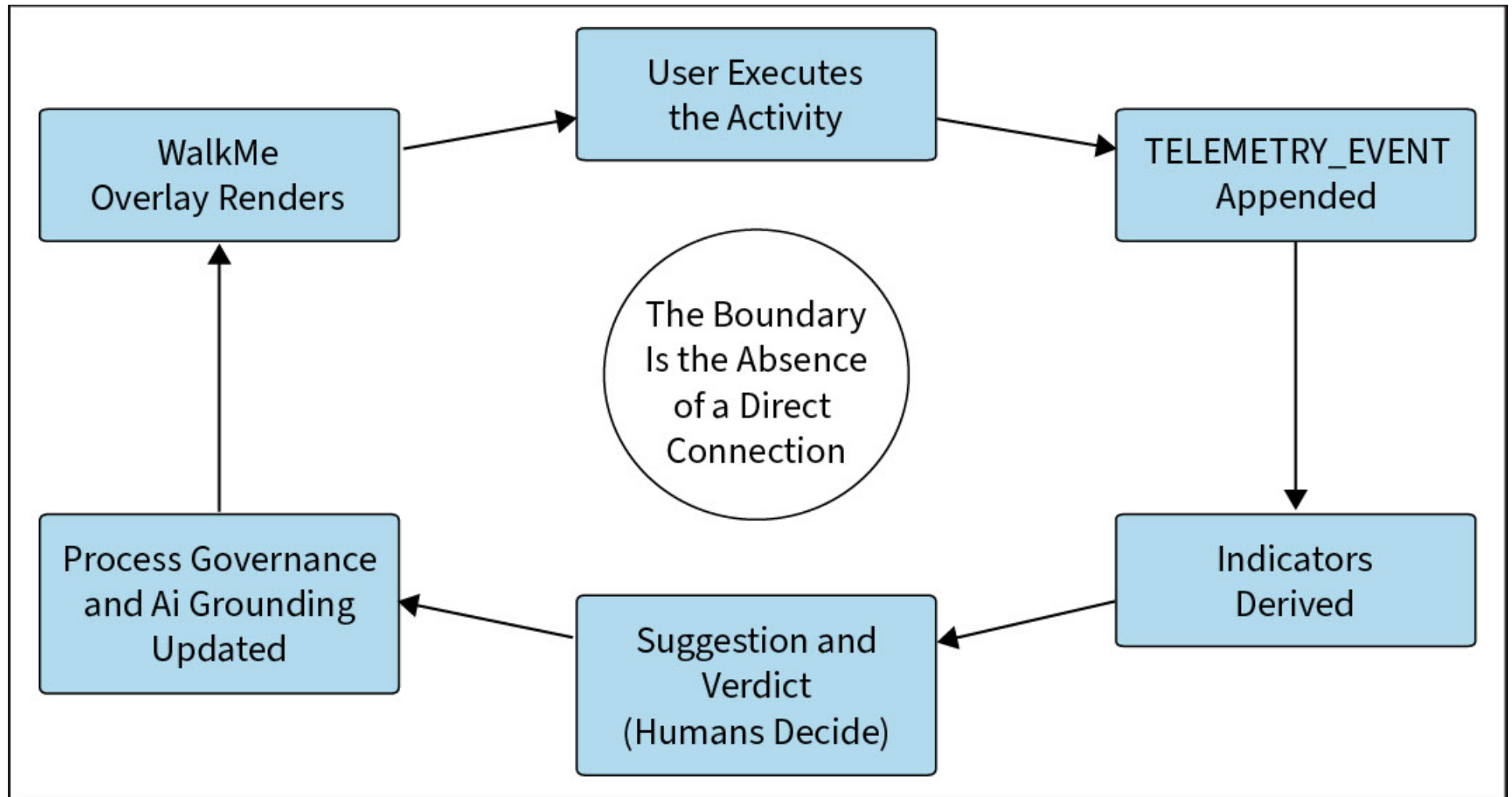


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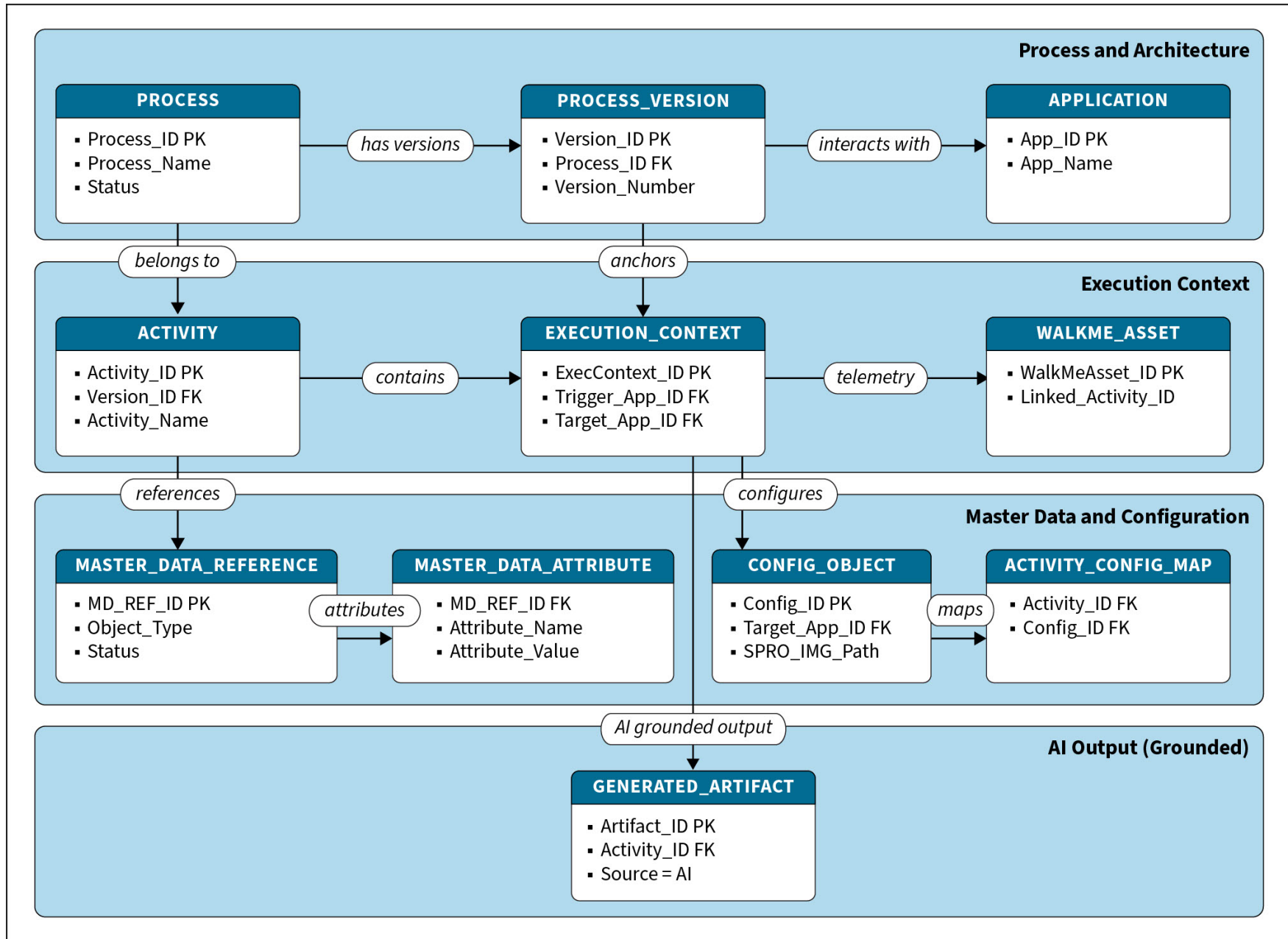


Figure 9.1

Figures from Integrating Architecture, Processes, and AI on SAP BTP

RECORD 1: MD_CC_1000 · COST_CENTER							
Identity and Source							
MD_REF_ID	OBJECT_TYPE	SOURCE_SYSTEM	SOURCE_TENANT	SOURCE_OBJECT_ID	EXTERNAL_KEY	VALID_FROM	VALID_TO
MD_CC_1000	COST_CENTER	SAP S/4HANA	S4CLNT100	1000	S4-KOSTL	2026-01-01	9999-12-31
Canonical State and Governance							
SOURCE_STATUS	CANONICAL_STATUS	LEGAL_SCOPE	ORG_SCOPE	MDG_CHANGE_REQ	WORKFLOW_STATUS	REPLICATION	LAST_REPLICATED
Active	Published	US01	A100/PC100	CR_4500123	Approved	Confirmed	2026-01-15 10:22
RECORD 2: MD_POS_5001 · POSITION							
Identity and Source							
MD_REF_ID	OBJECT_TYPE	SOURCE_SYSTEM	SOURCE_TENANT	SOURCE_OBJECT_ID	EXTERNAL_KEY	VALID_FROM	VALID_TO
MD_POS_5001	POSITION	SAP SuccessFactors	SF-PROD	5001	SF-Position	2026-01-15	9999-12-31
Canonical State and Governance							
SOURCE_STATUS	CANONICAL_STATUS	LEGAL_SCOPE	ORG_SCOPE	MDG_CHANGE_REQ	WORKFLOW_STATUS	REPLICATION	LAST_REPLICATED
Active	Published	US_LE	HR_ADMIN	–	–	N/A	–

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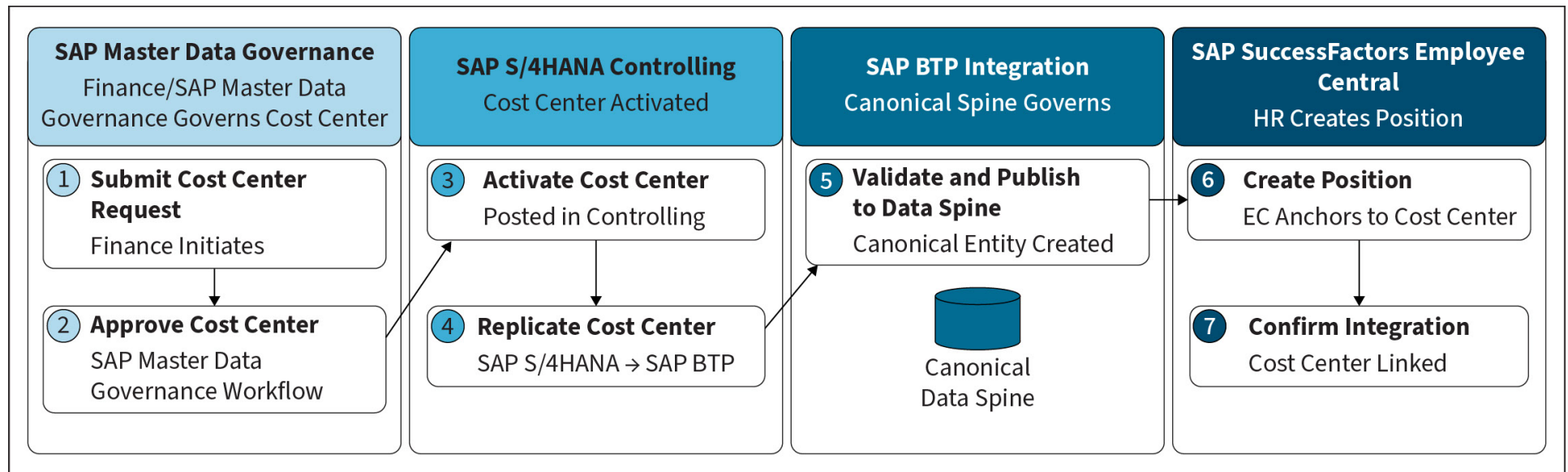


Figure 9.3

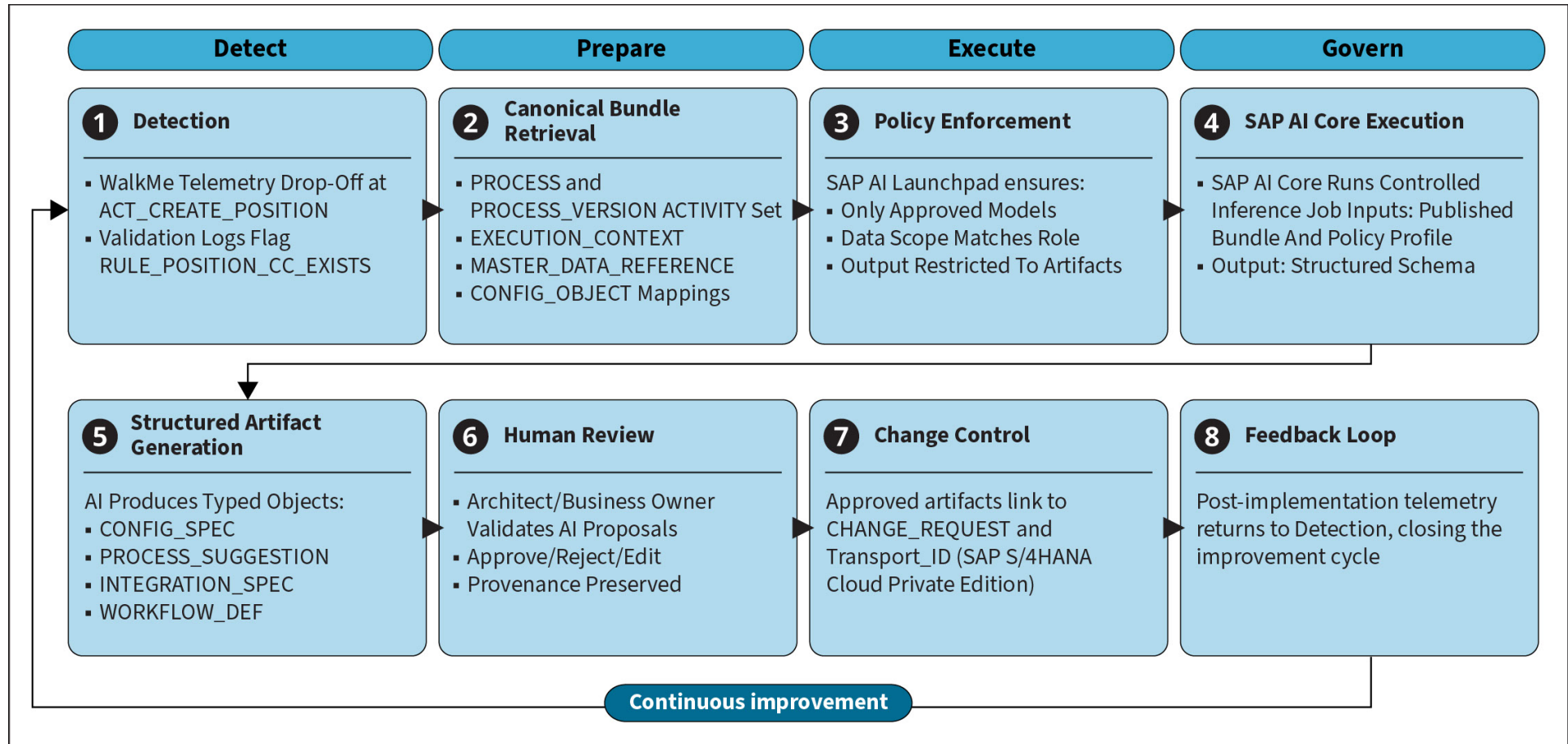


Figure 9.4

Figures from Integrating Architecture, Processes, and AI on SAP BTP

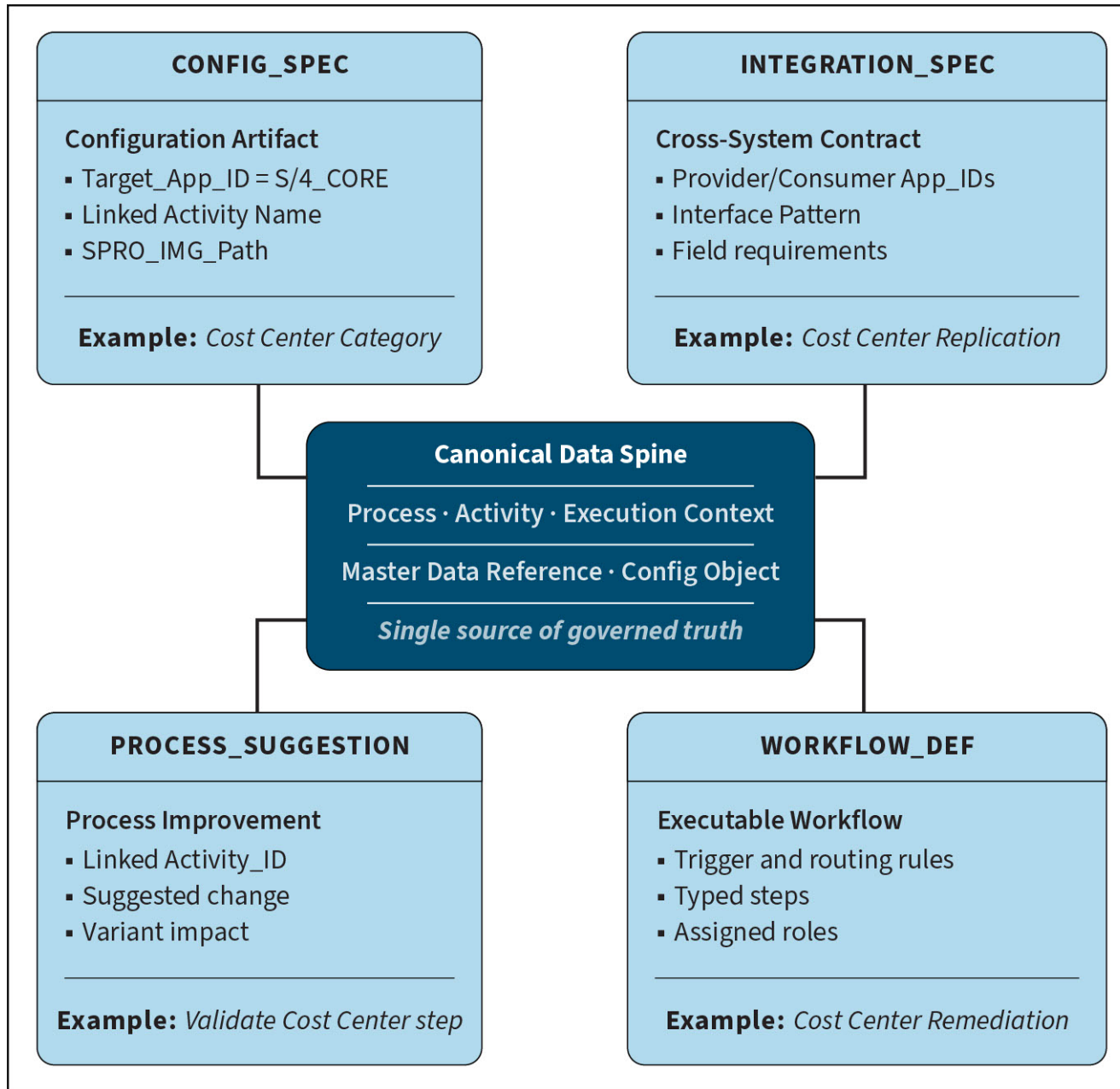


Figure 9.5

Figures from Integrating Architecture, Processes, and AI on SAP BTP

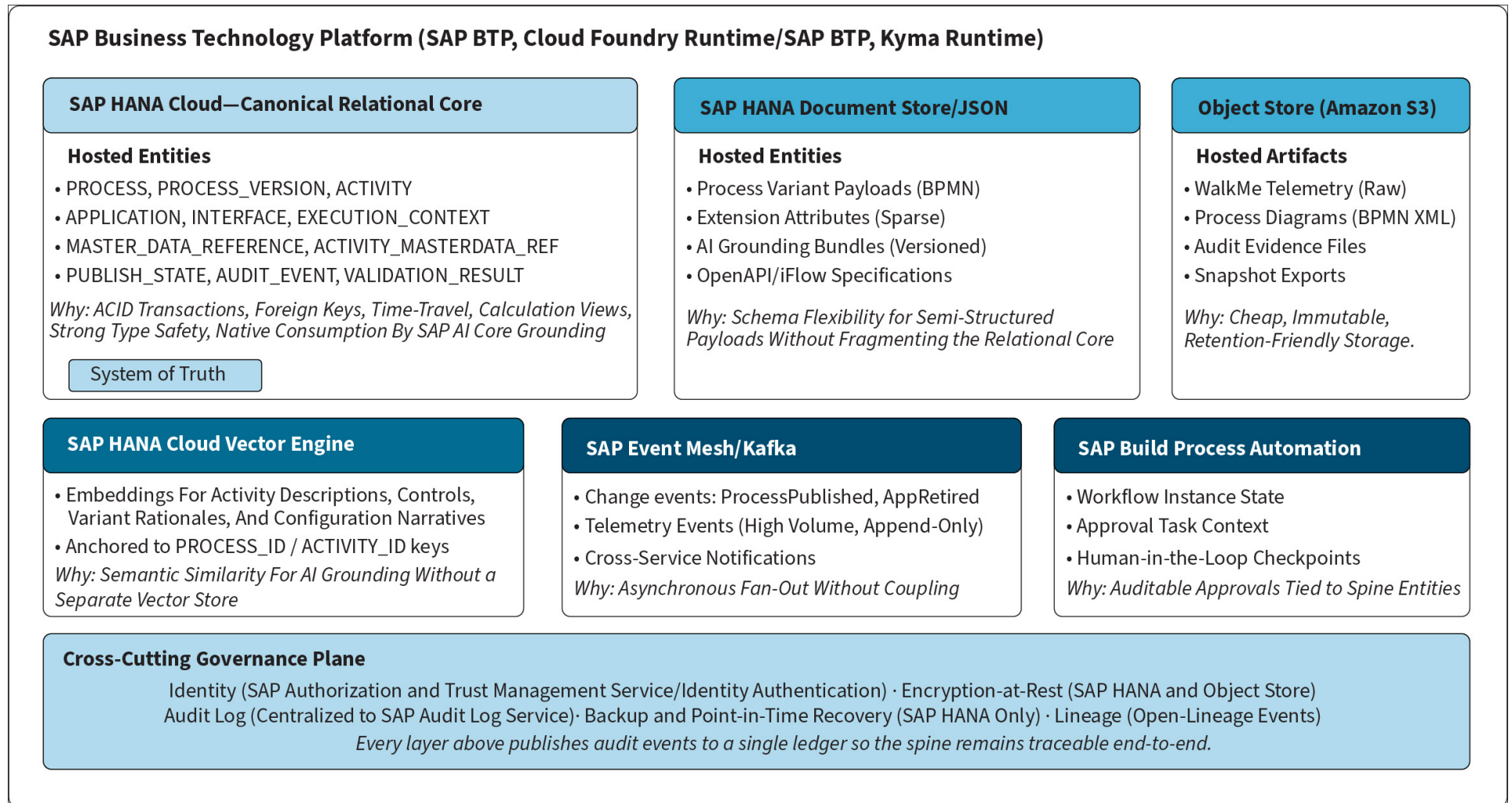


Figure 10.1

Figures from Integrating Architecture, Processes, and AI on SAP BTP

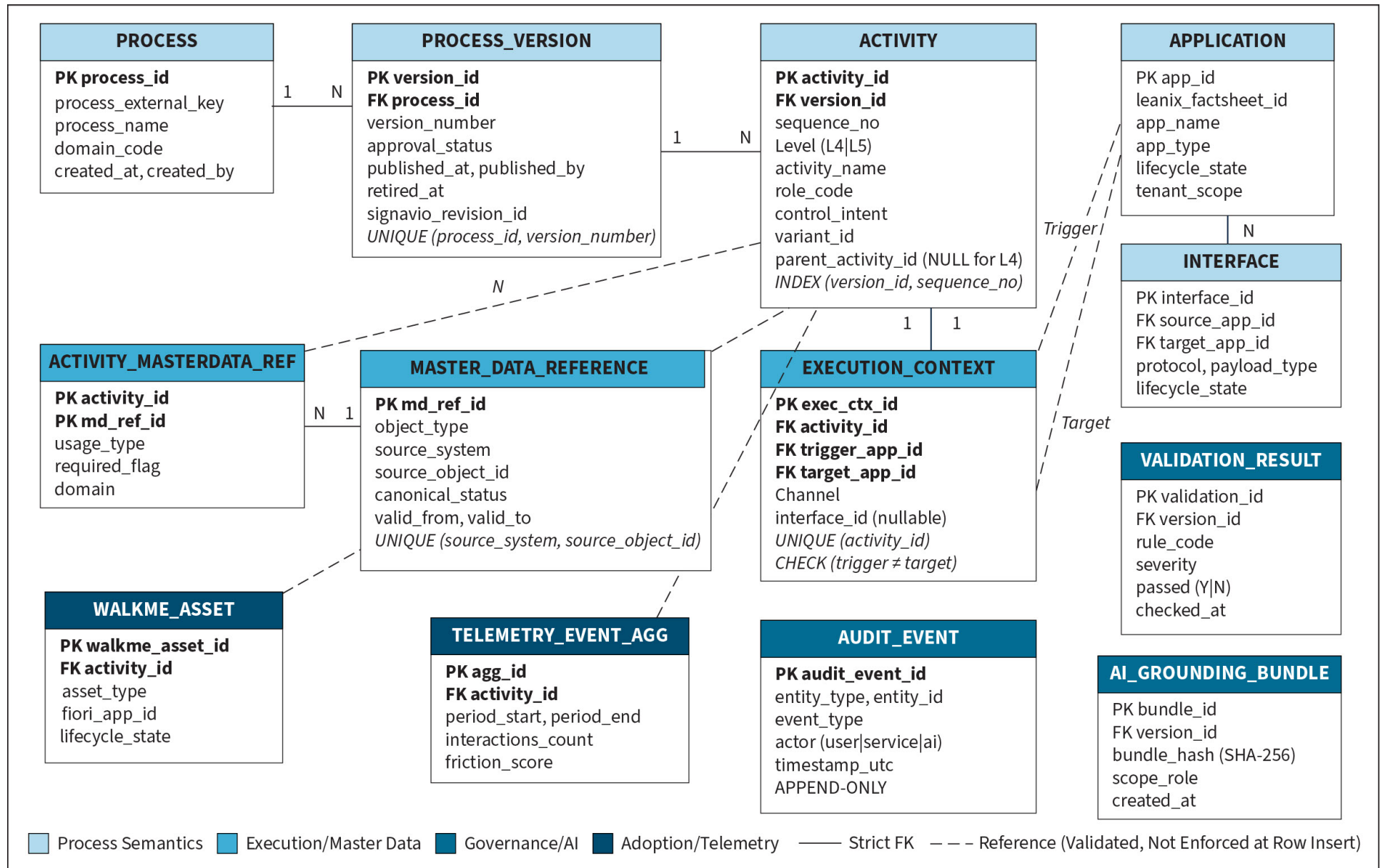


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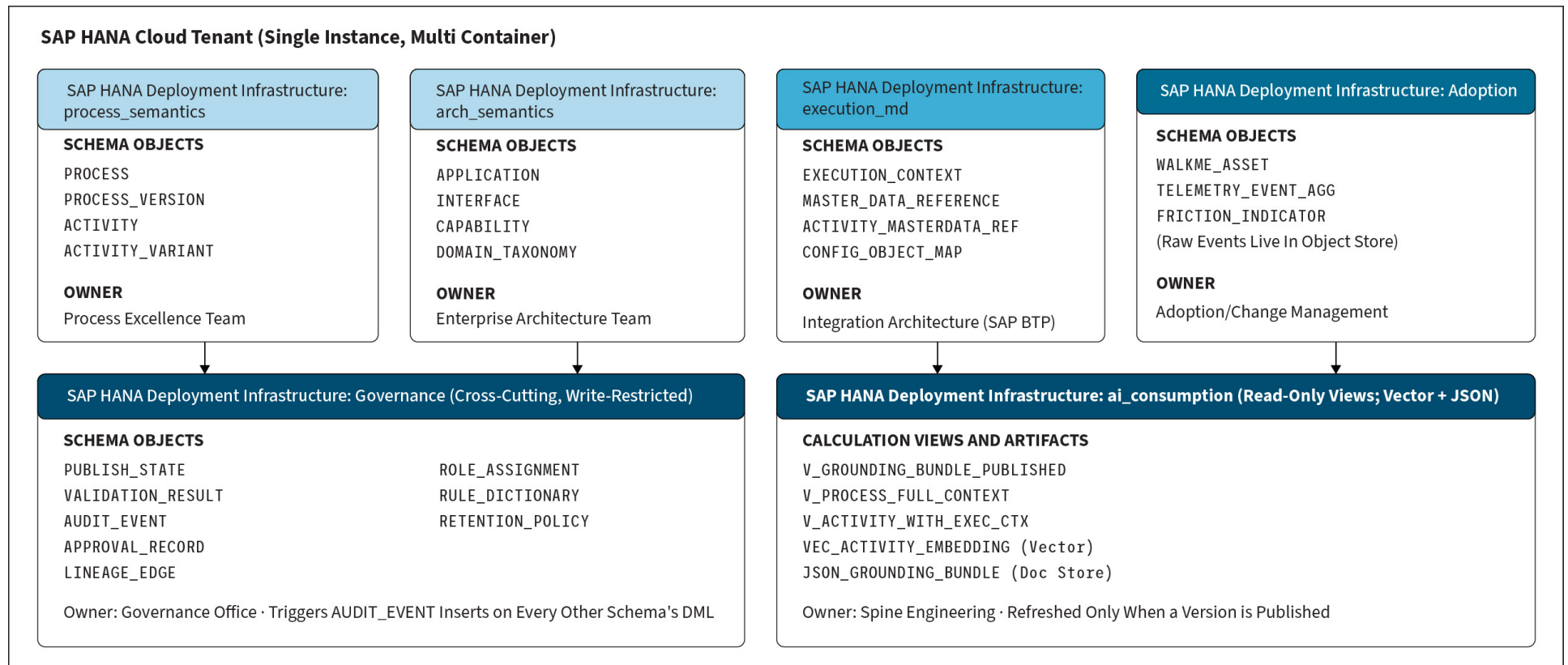


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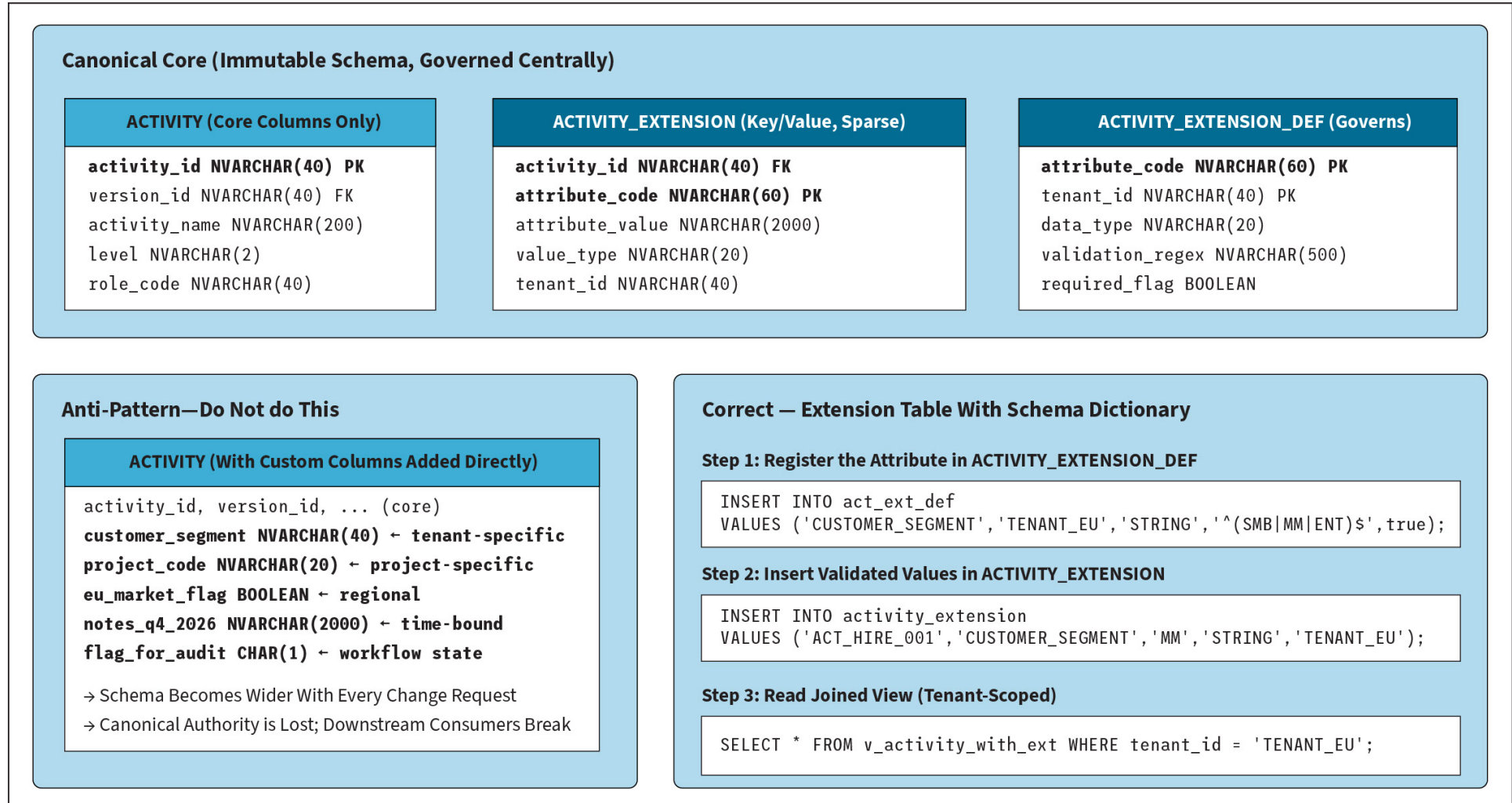


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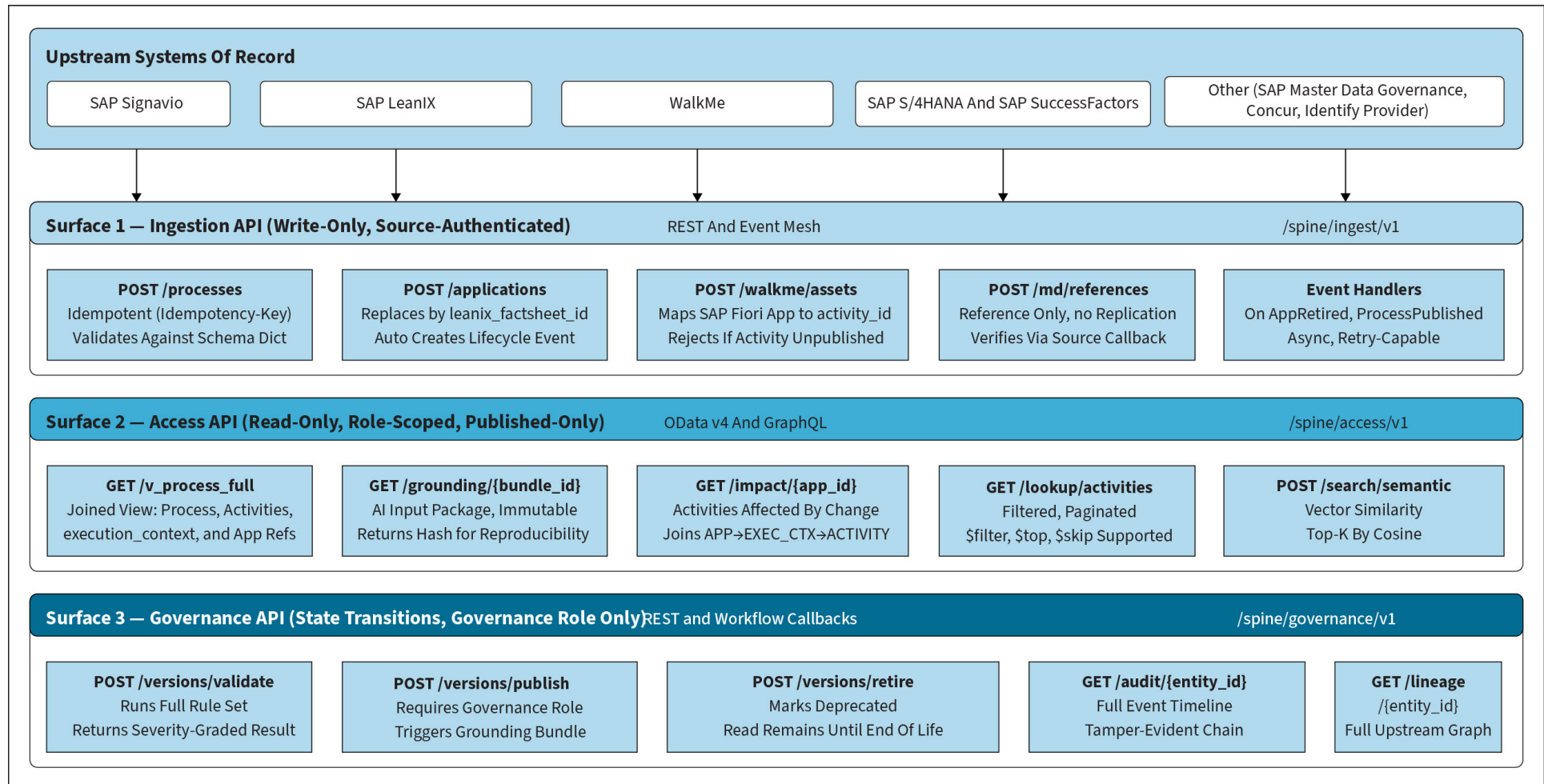


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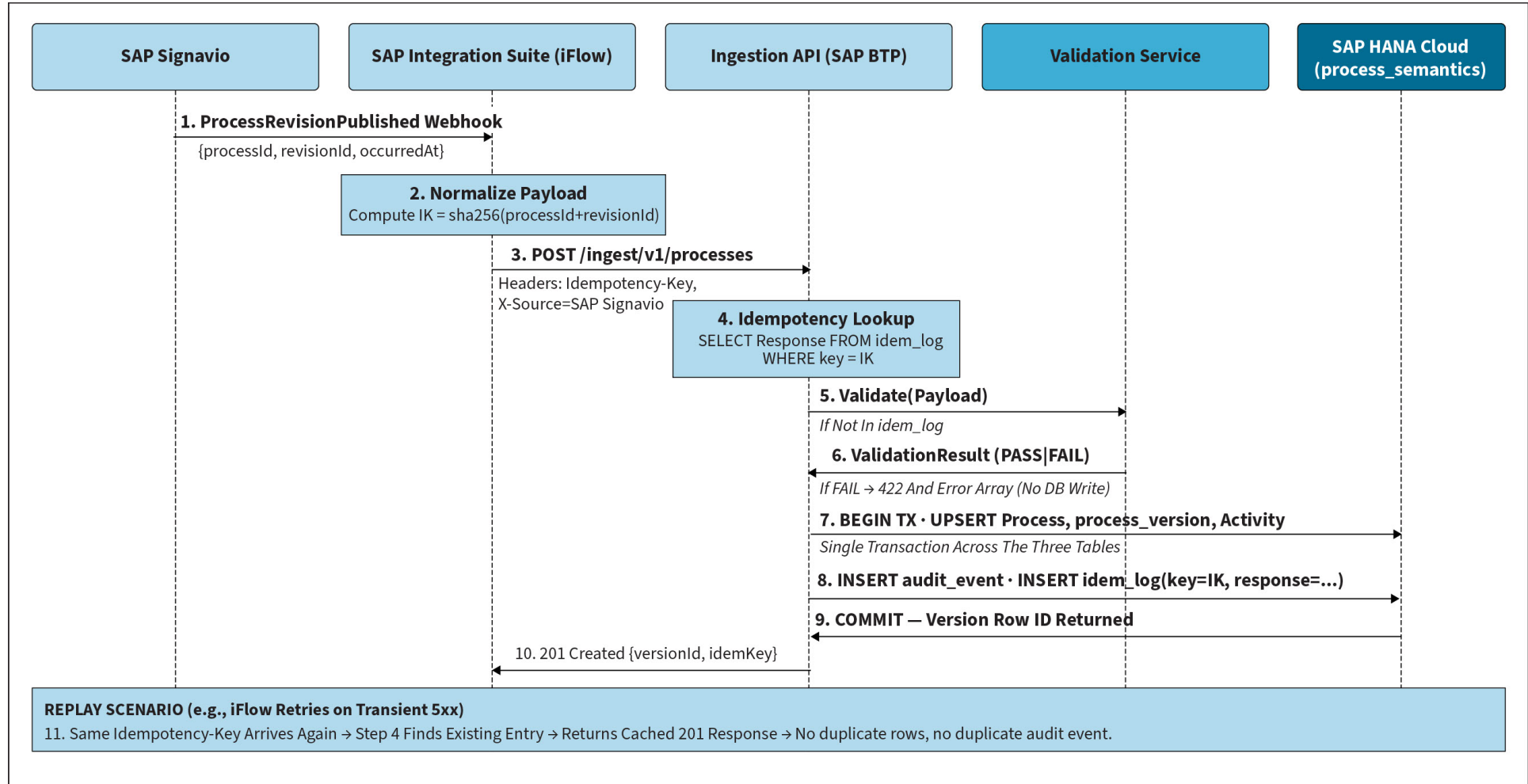


Figure 10.6

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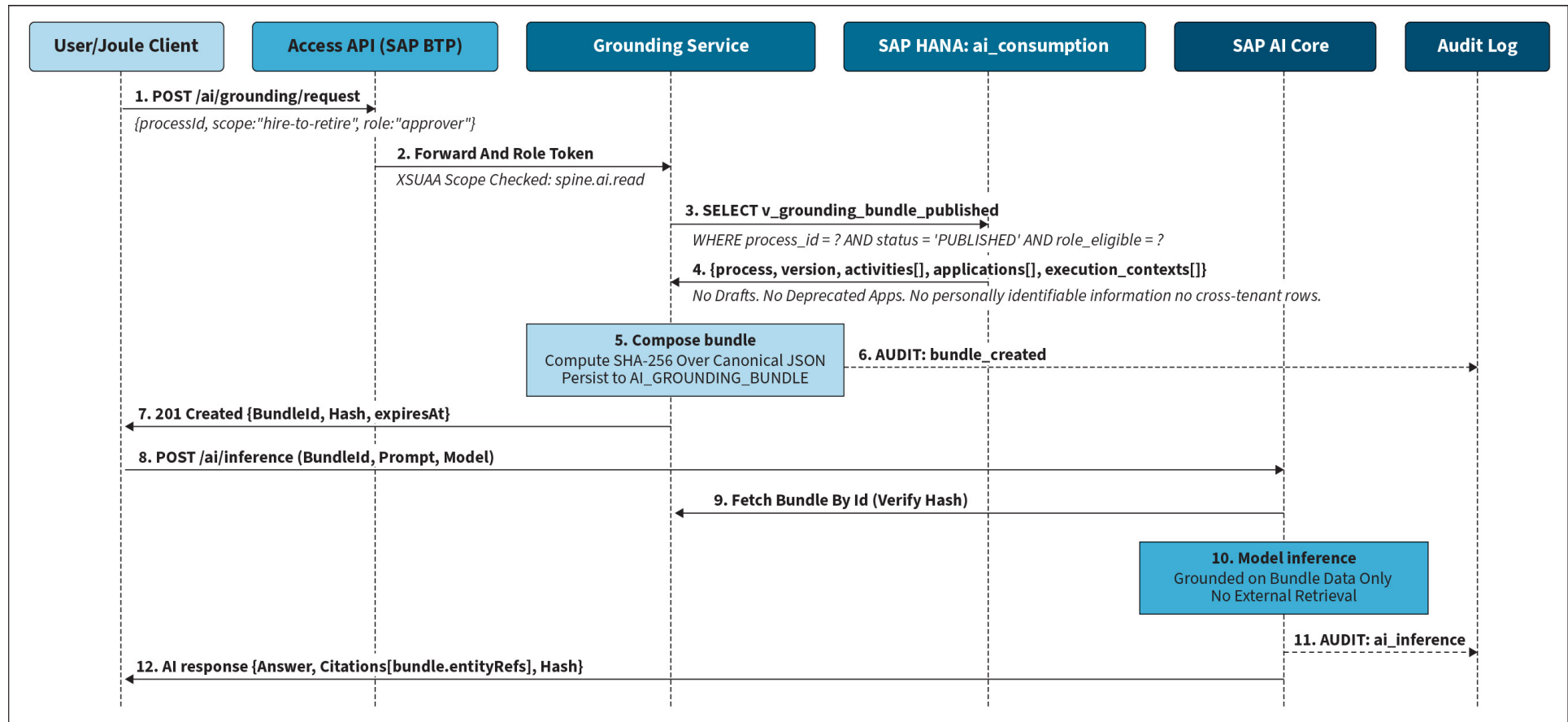


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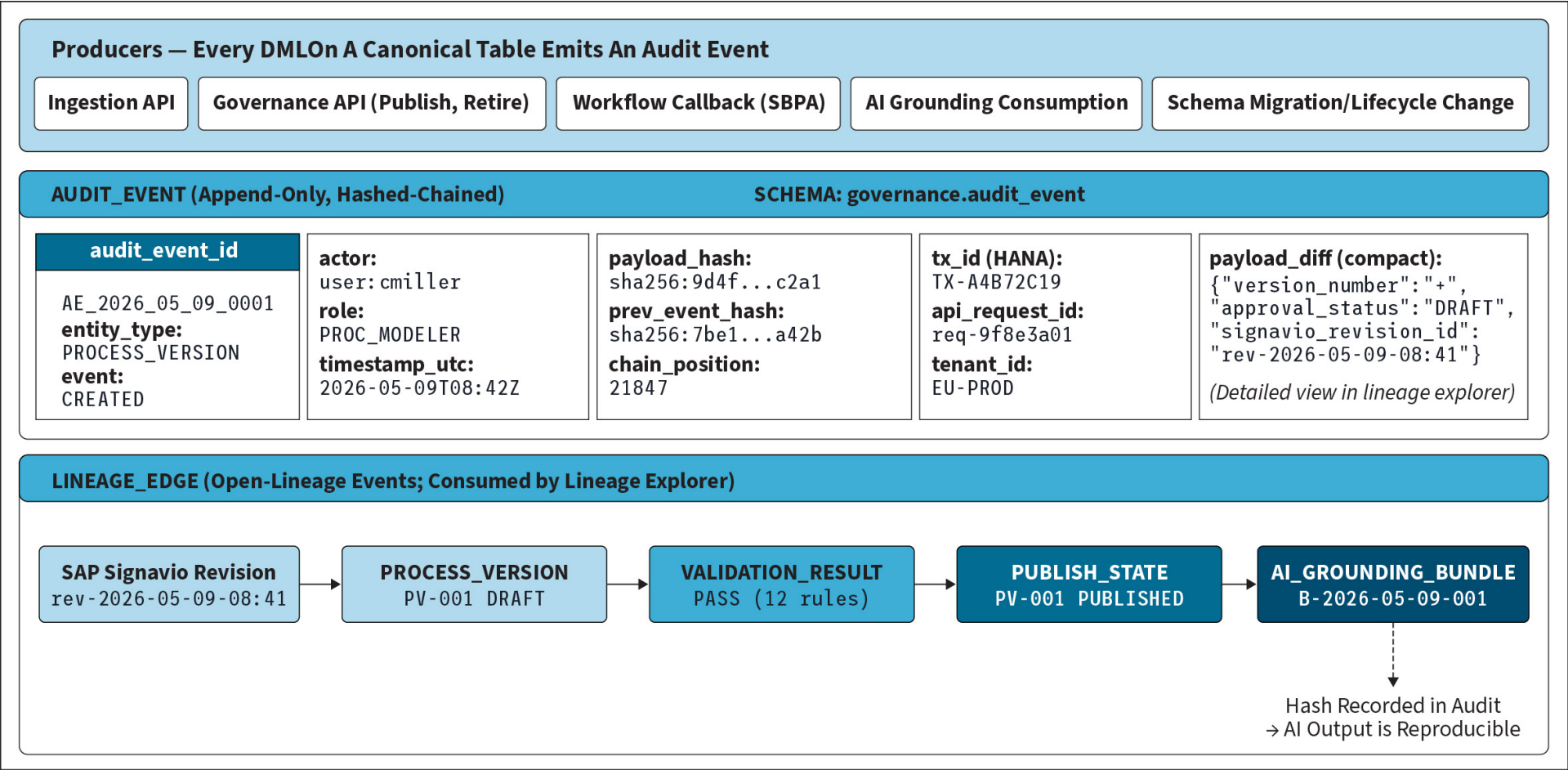


Figure 10.8

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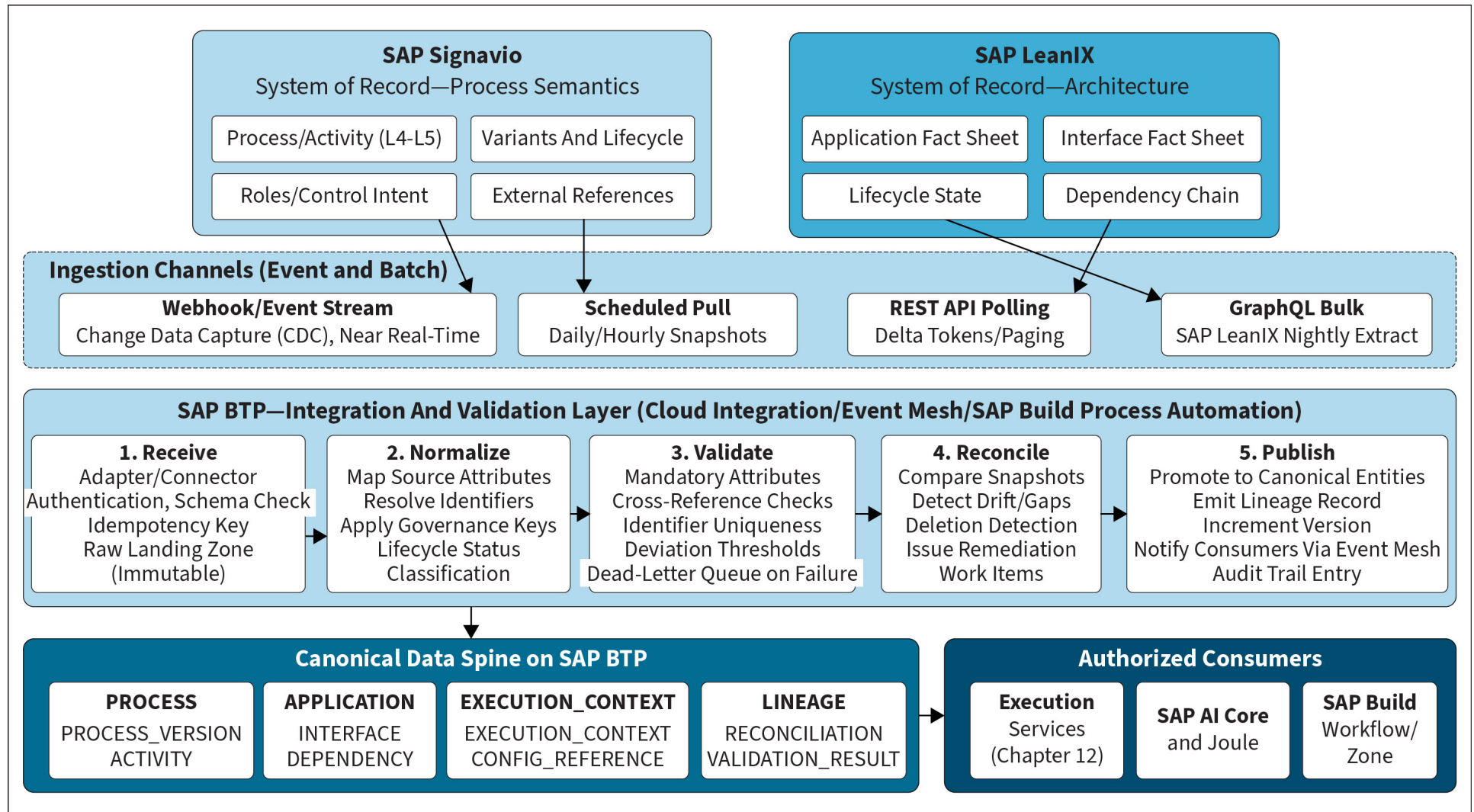


Figure 11.1

Figures from Integrating Architecture, Processes, and AI on SAP BTP

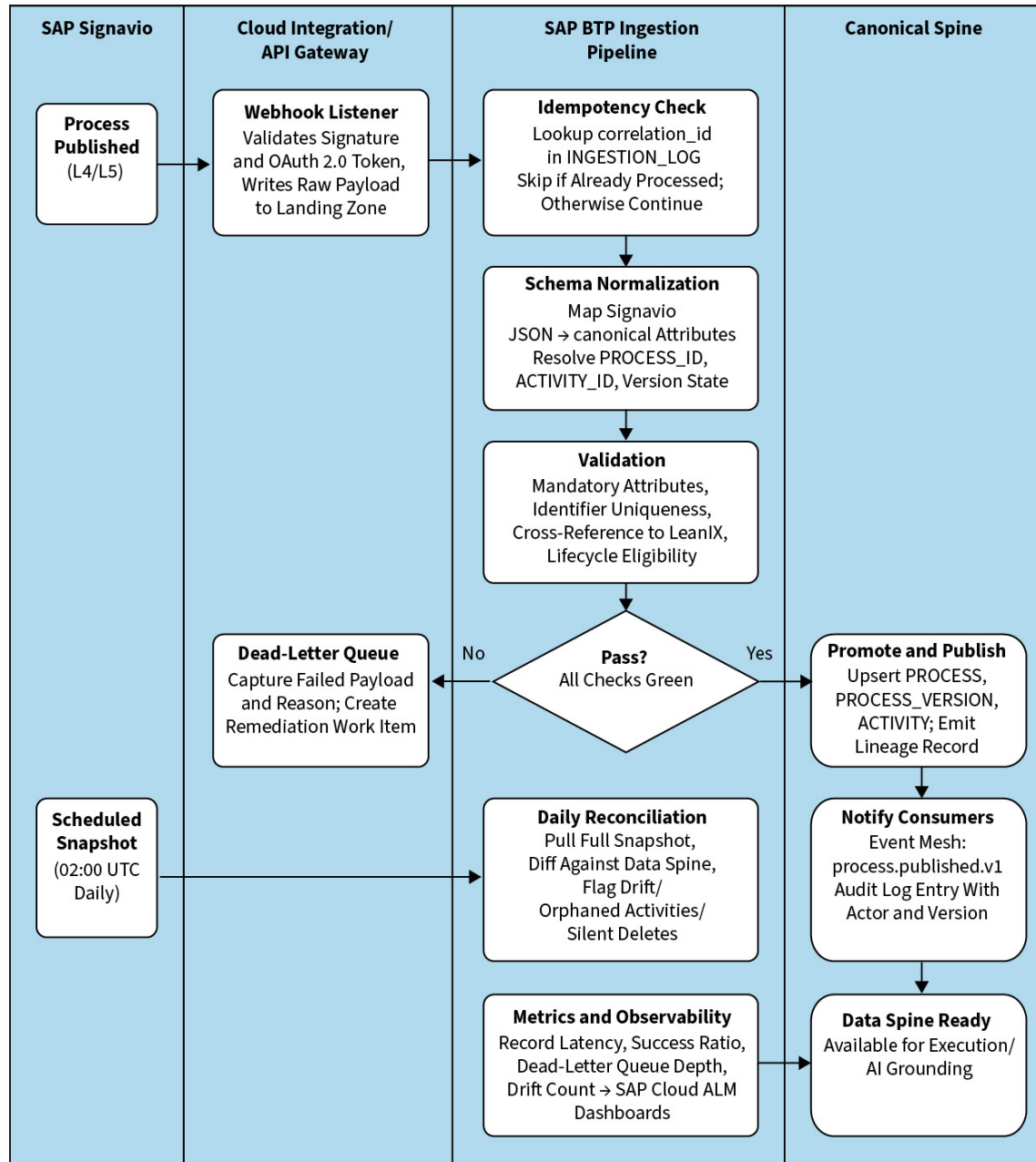


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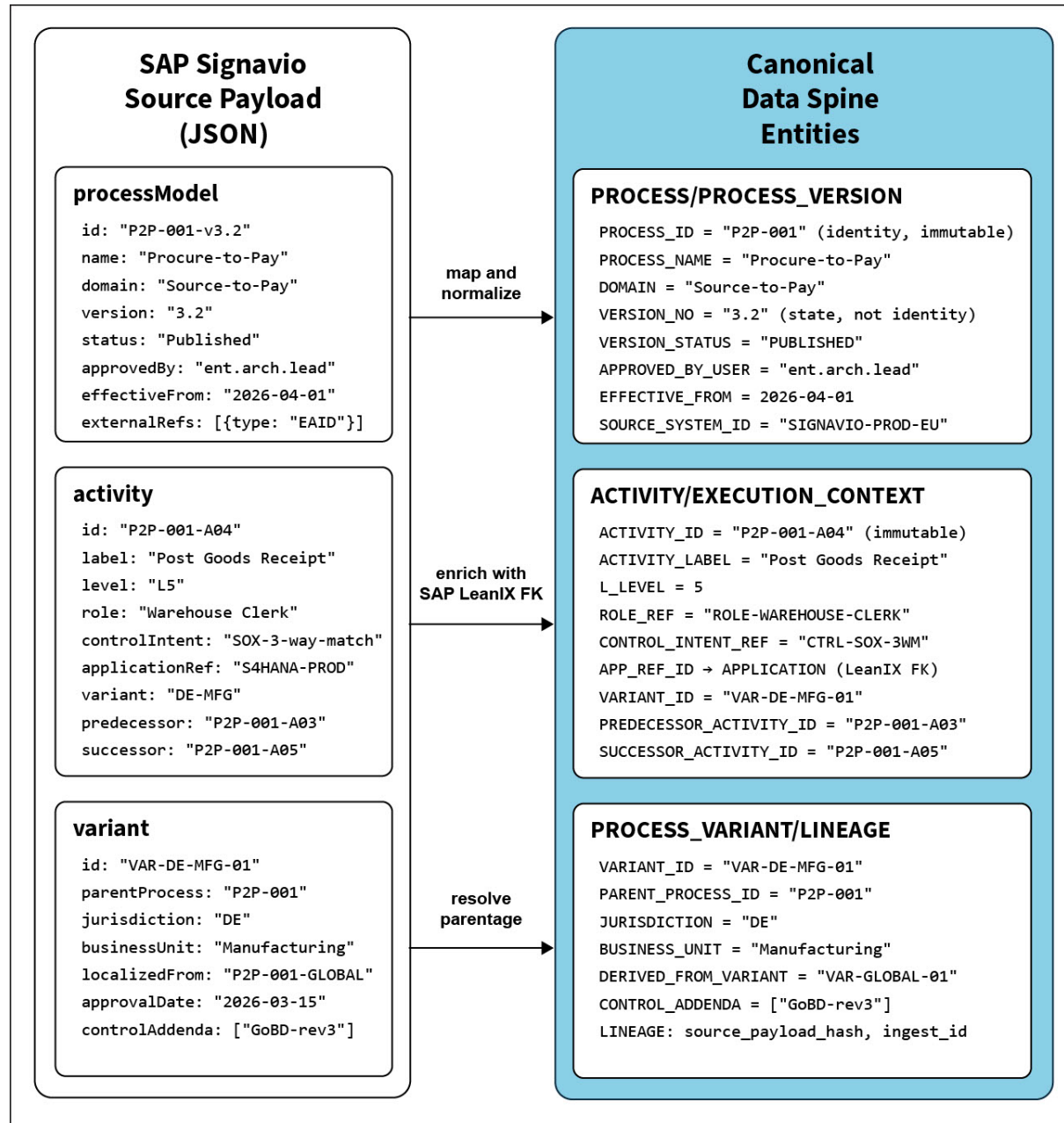


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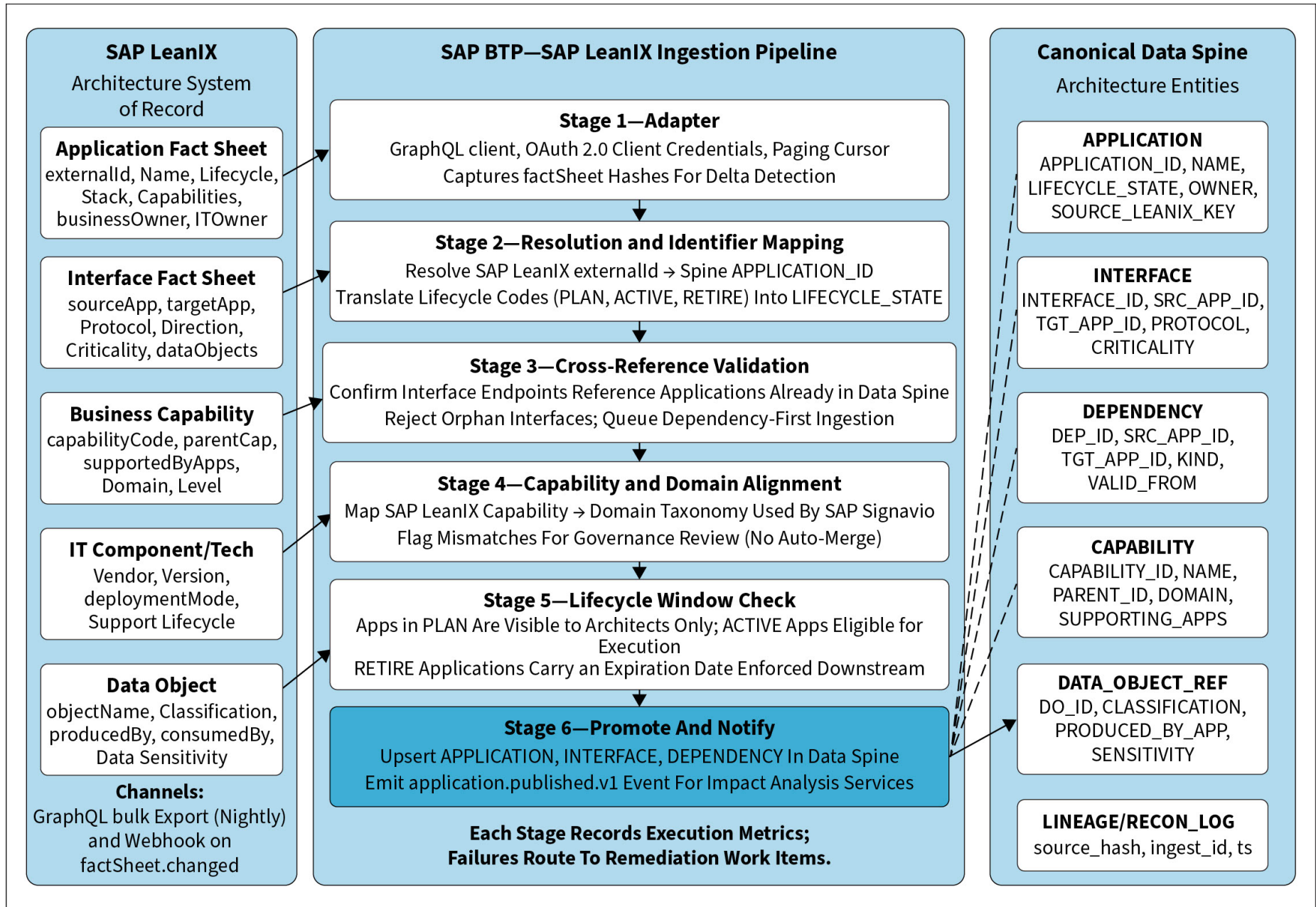


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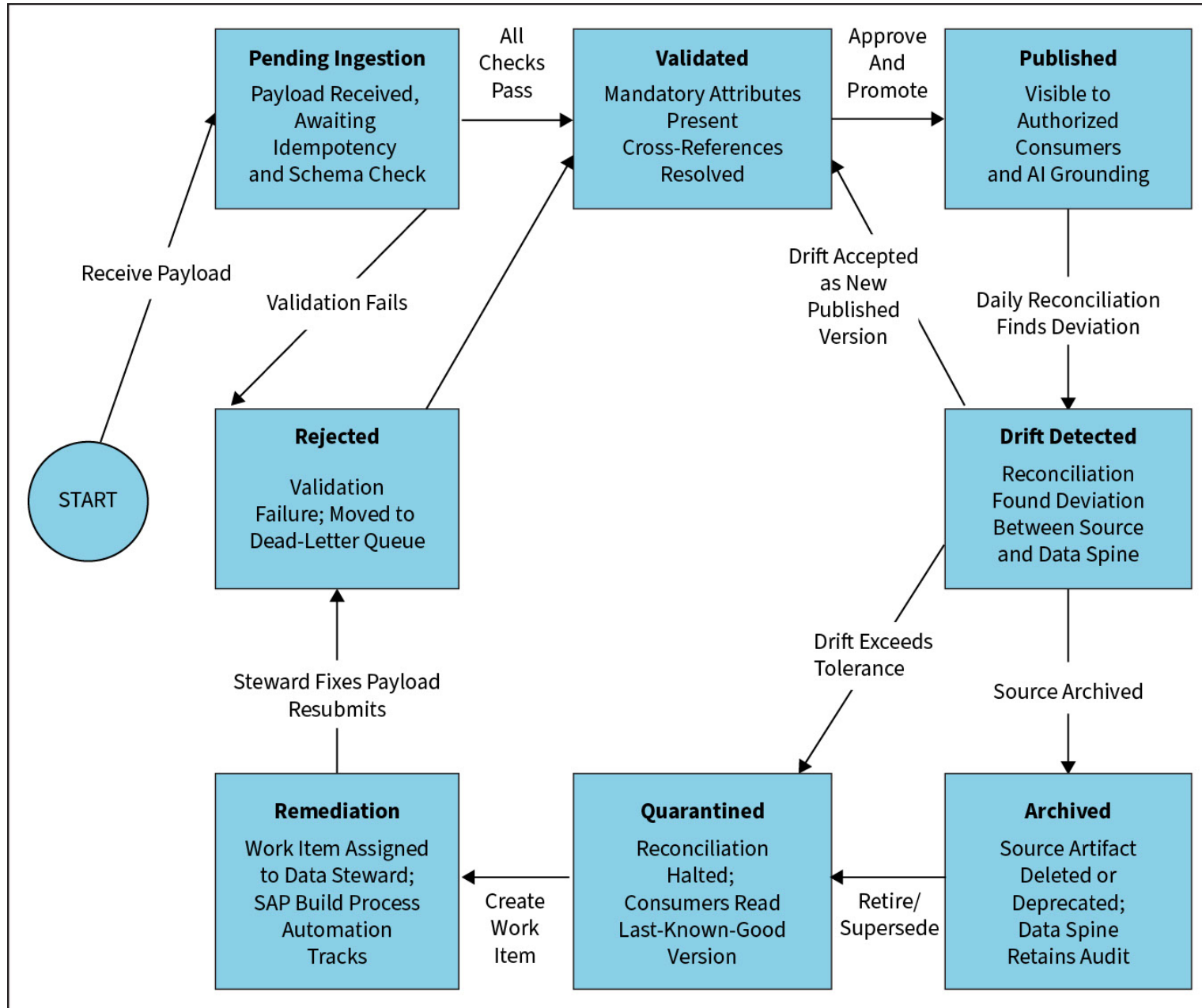


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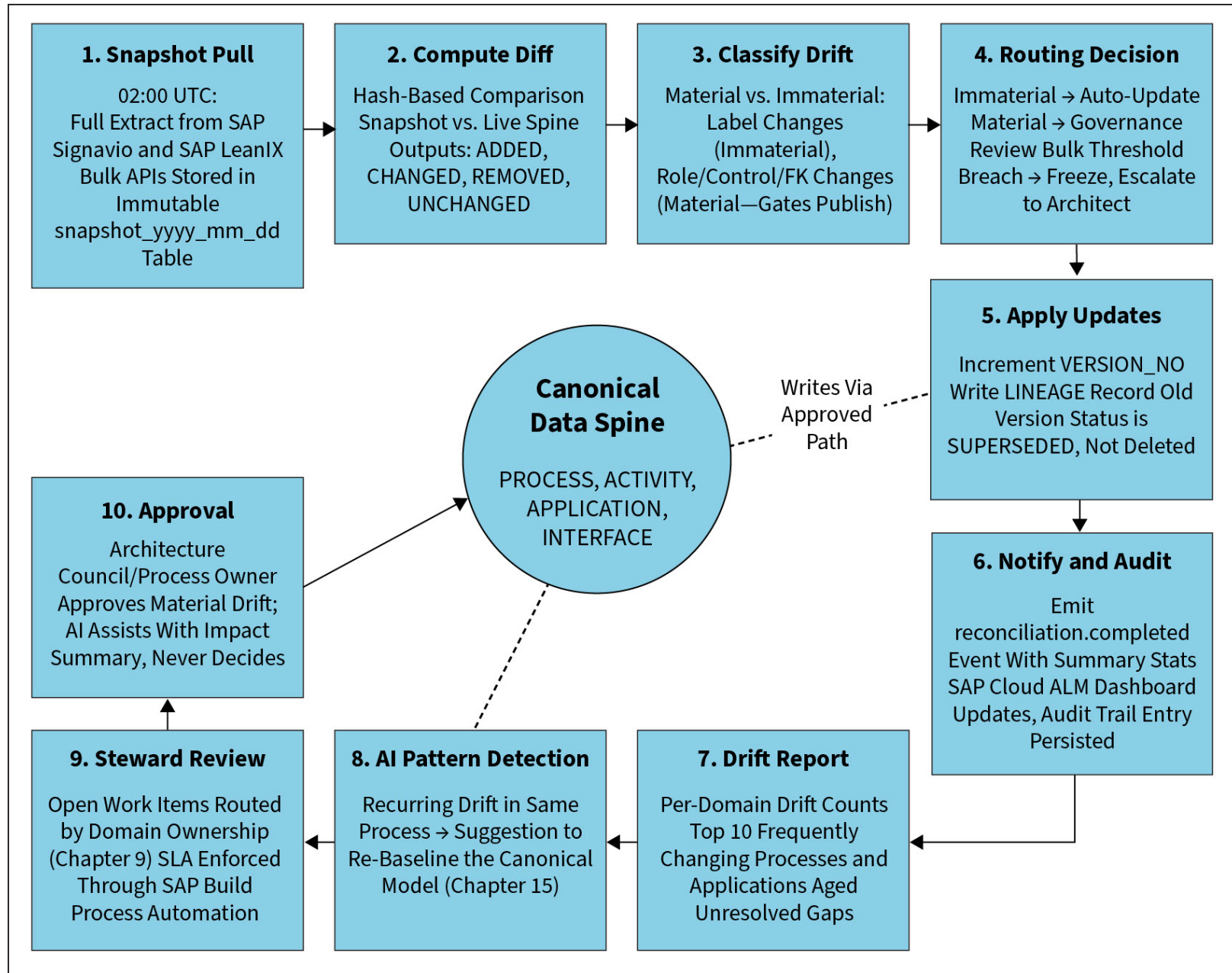


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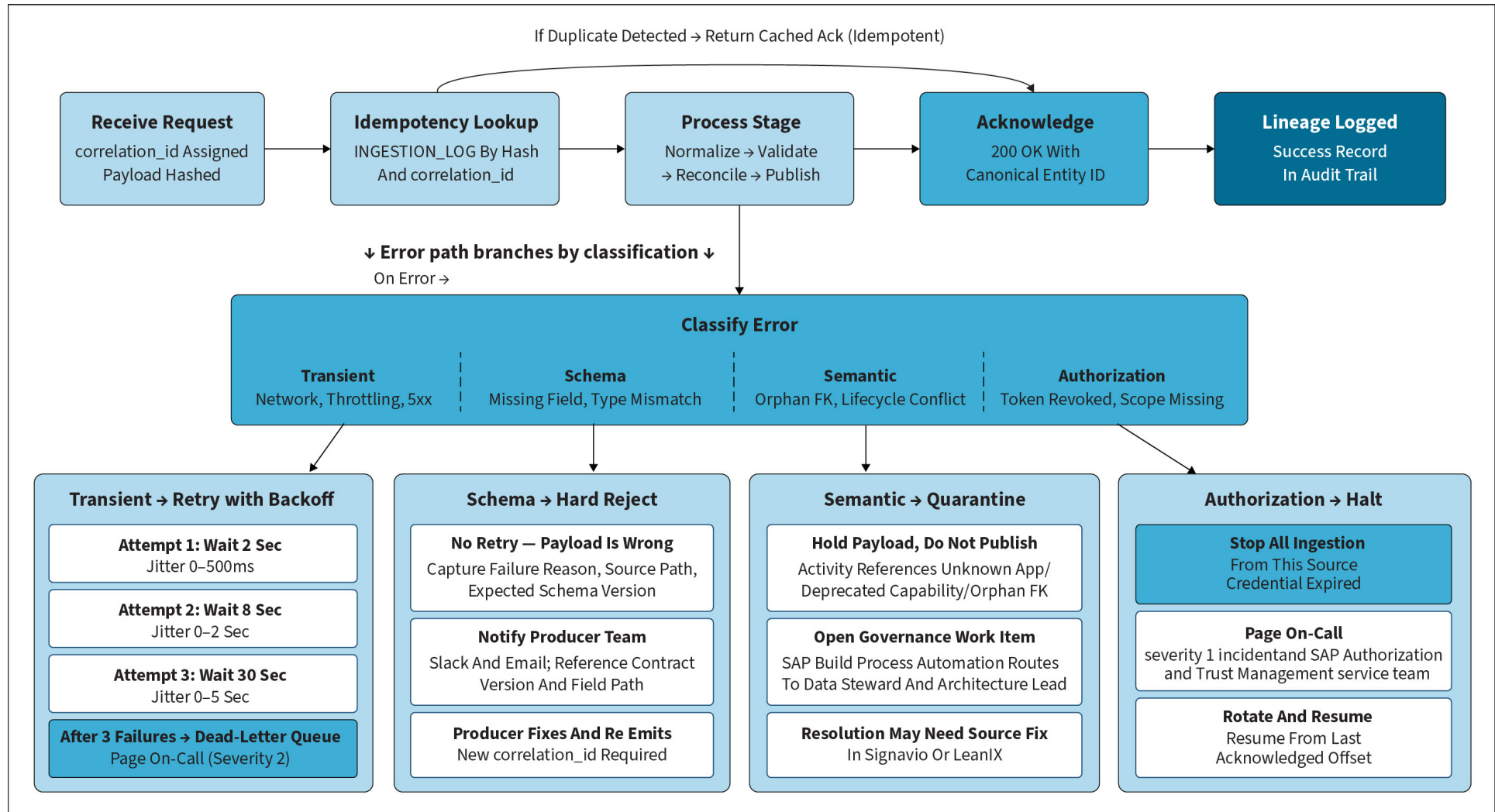


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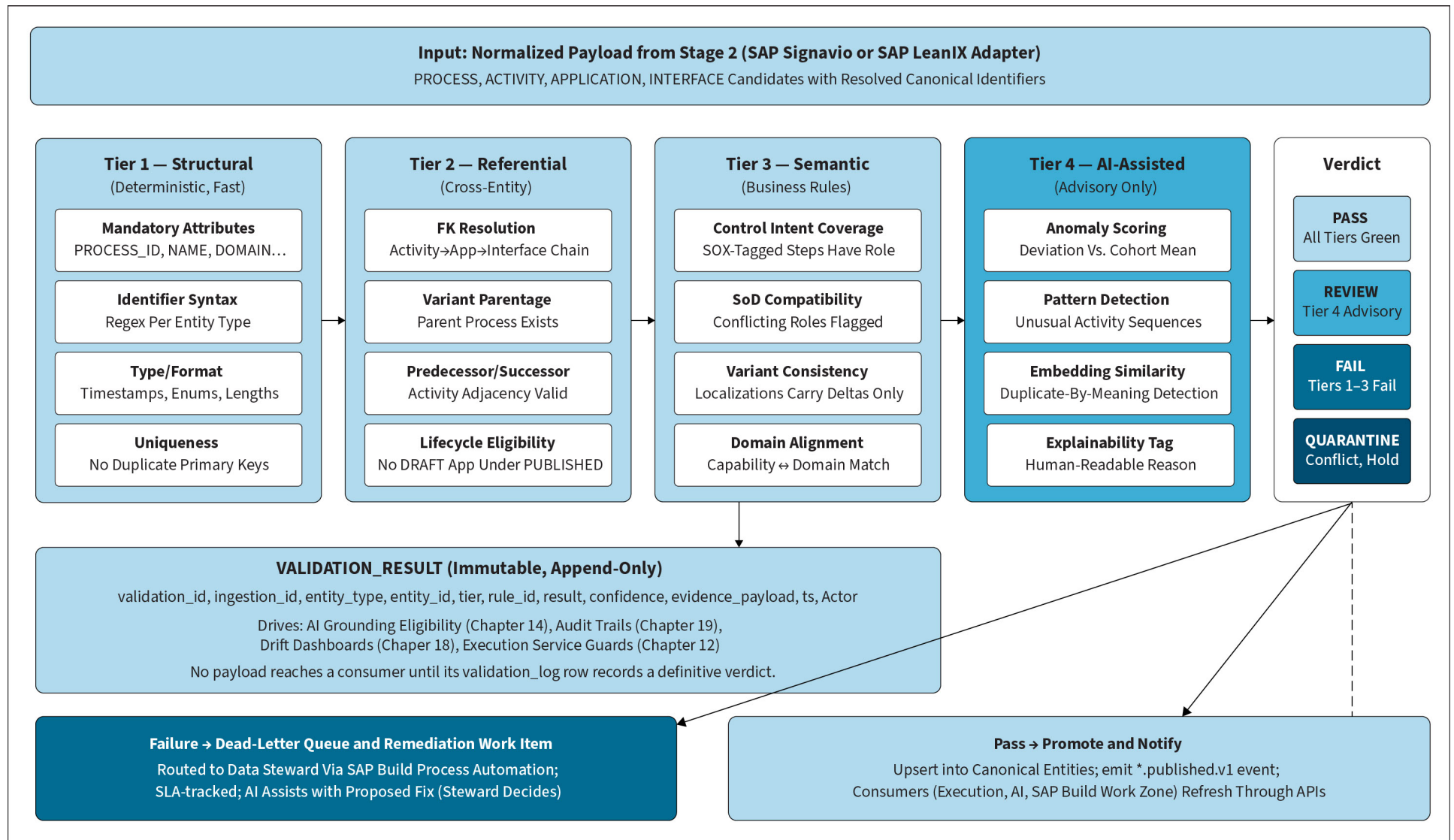


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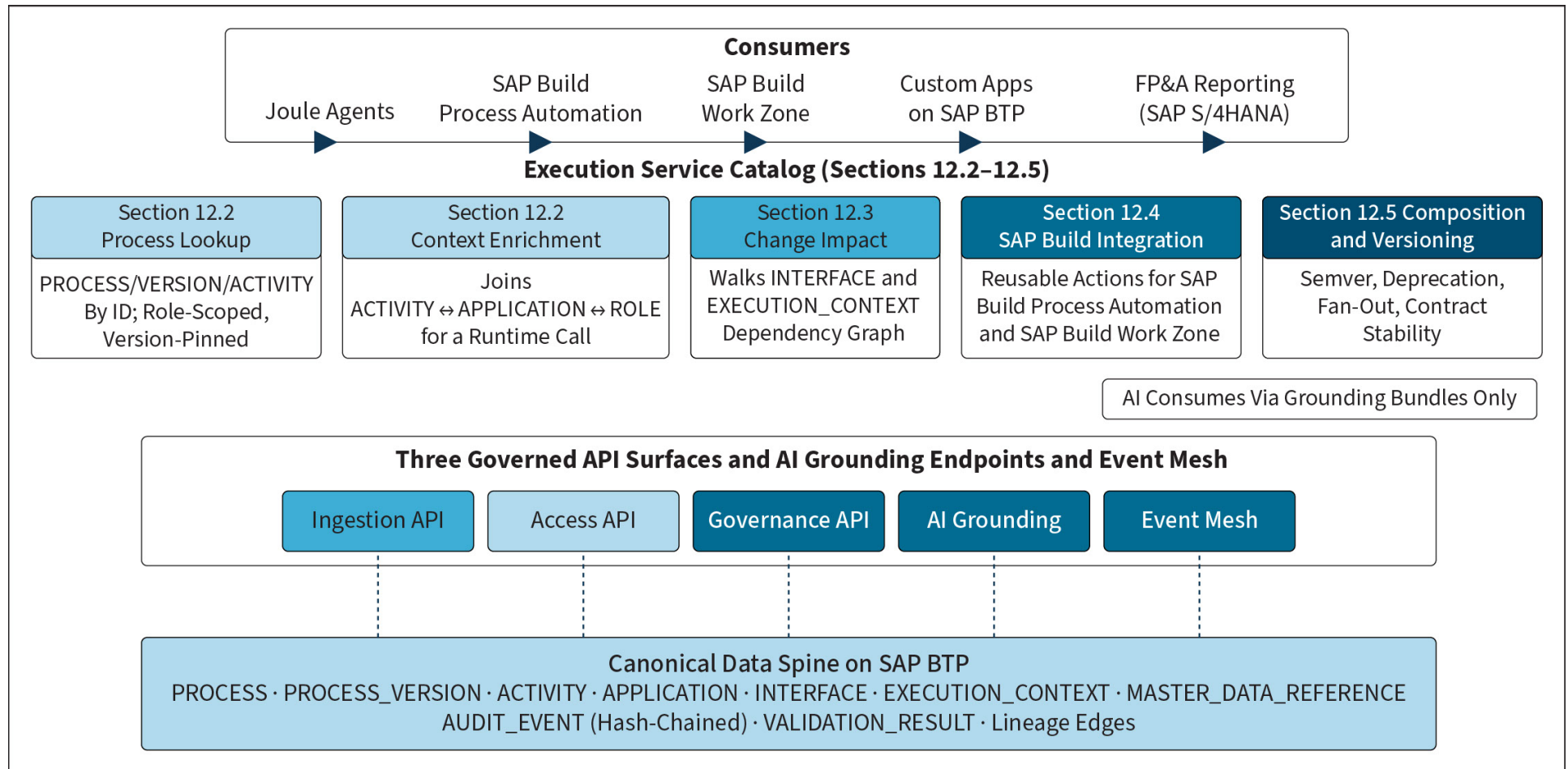


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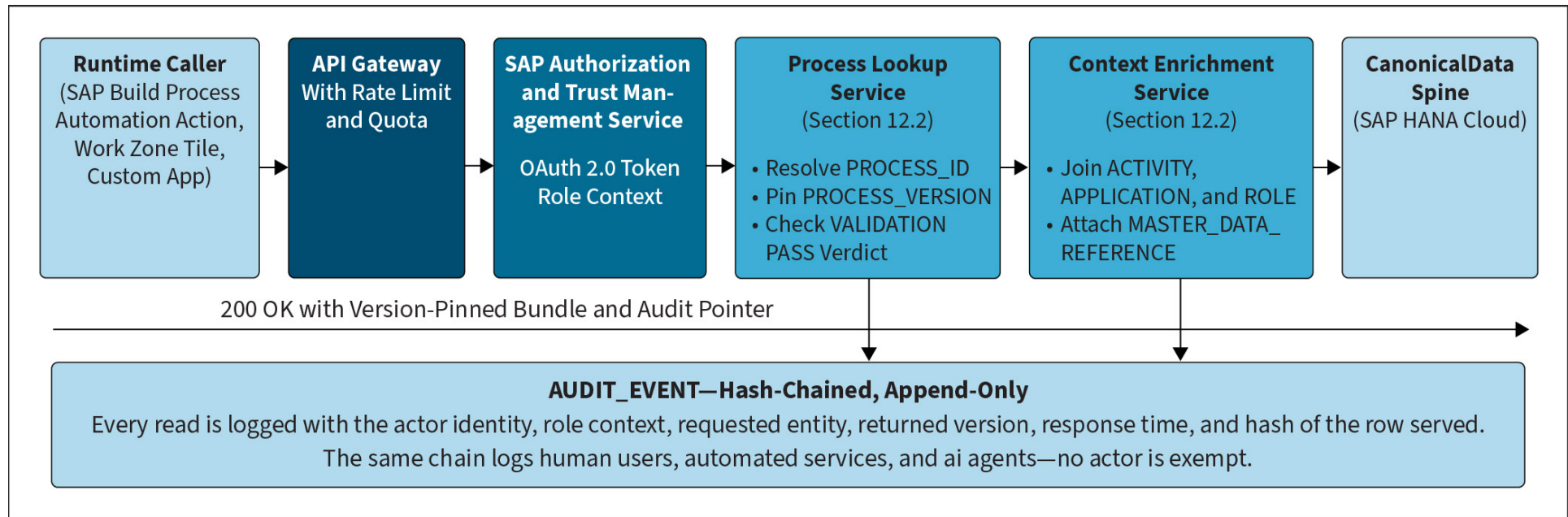


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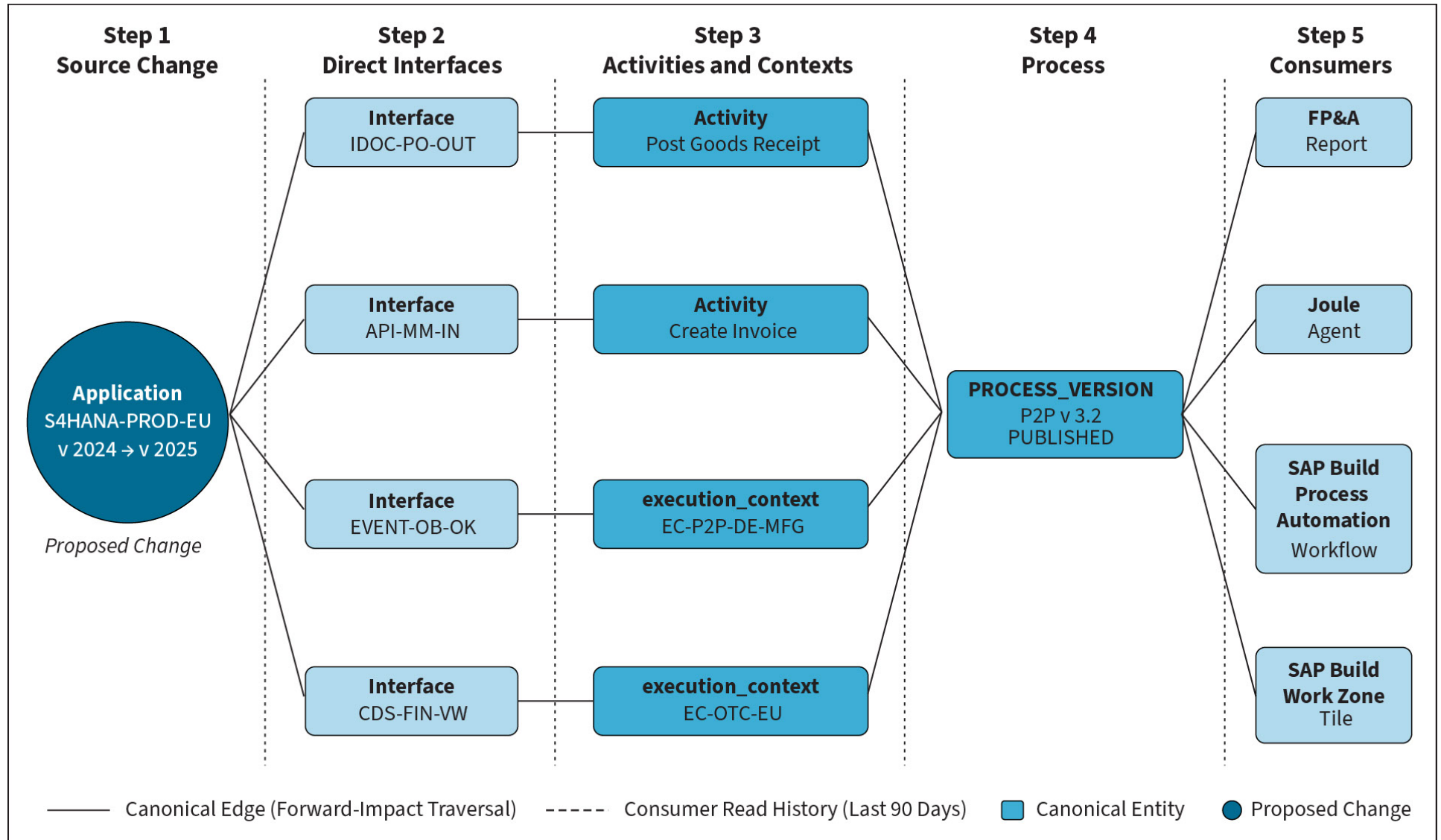


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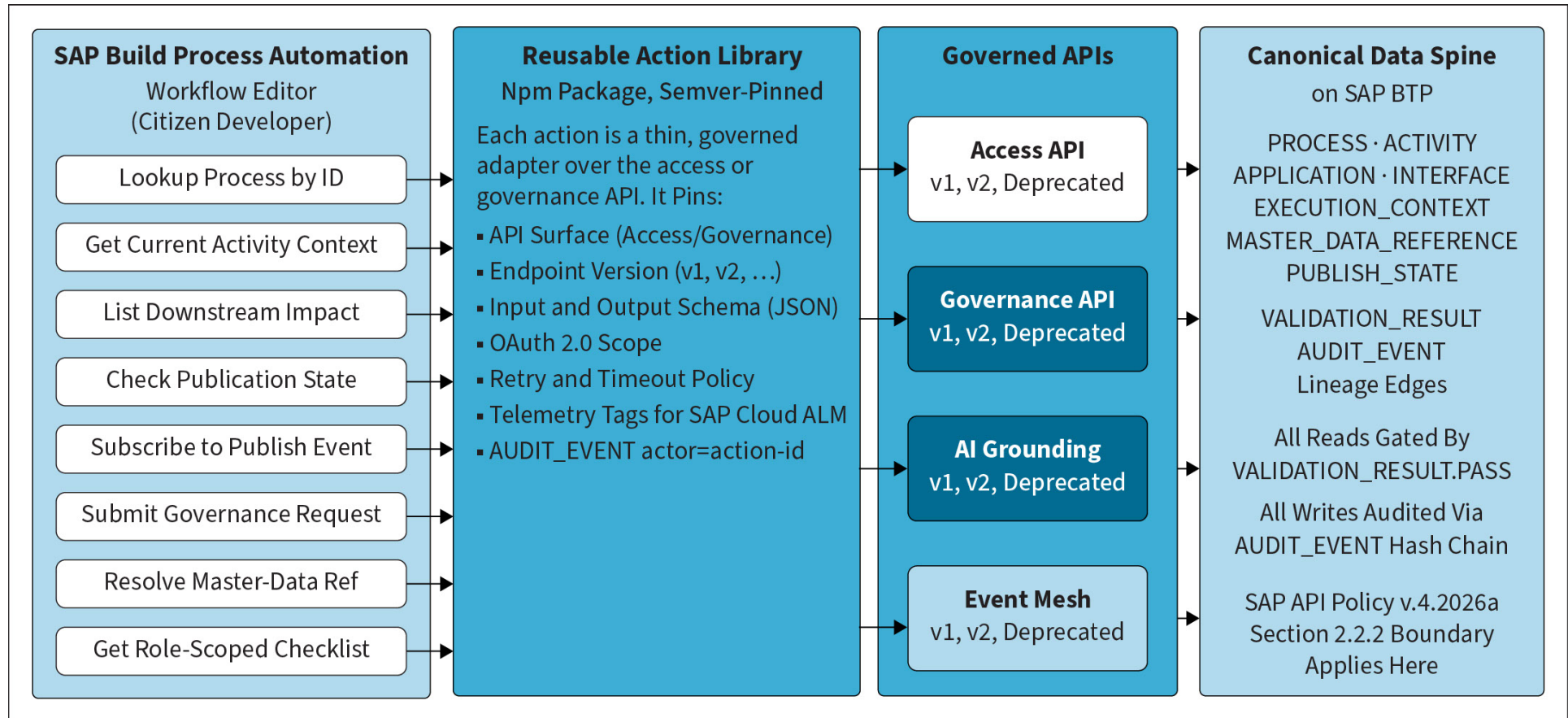


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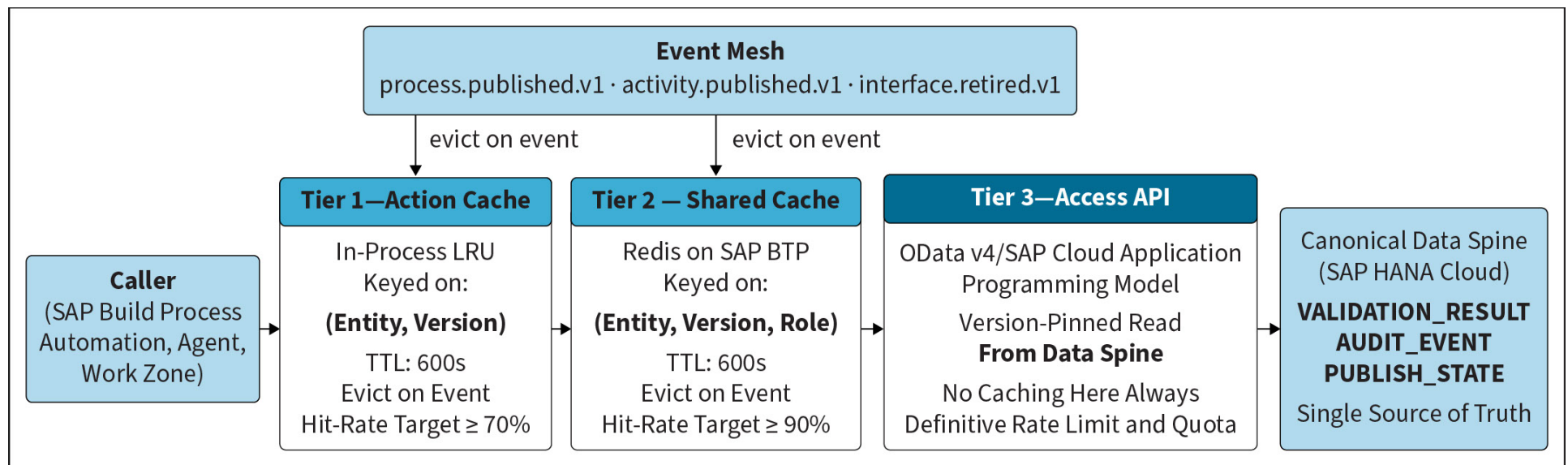


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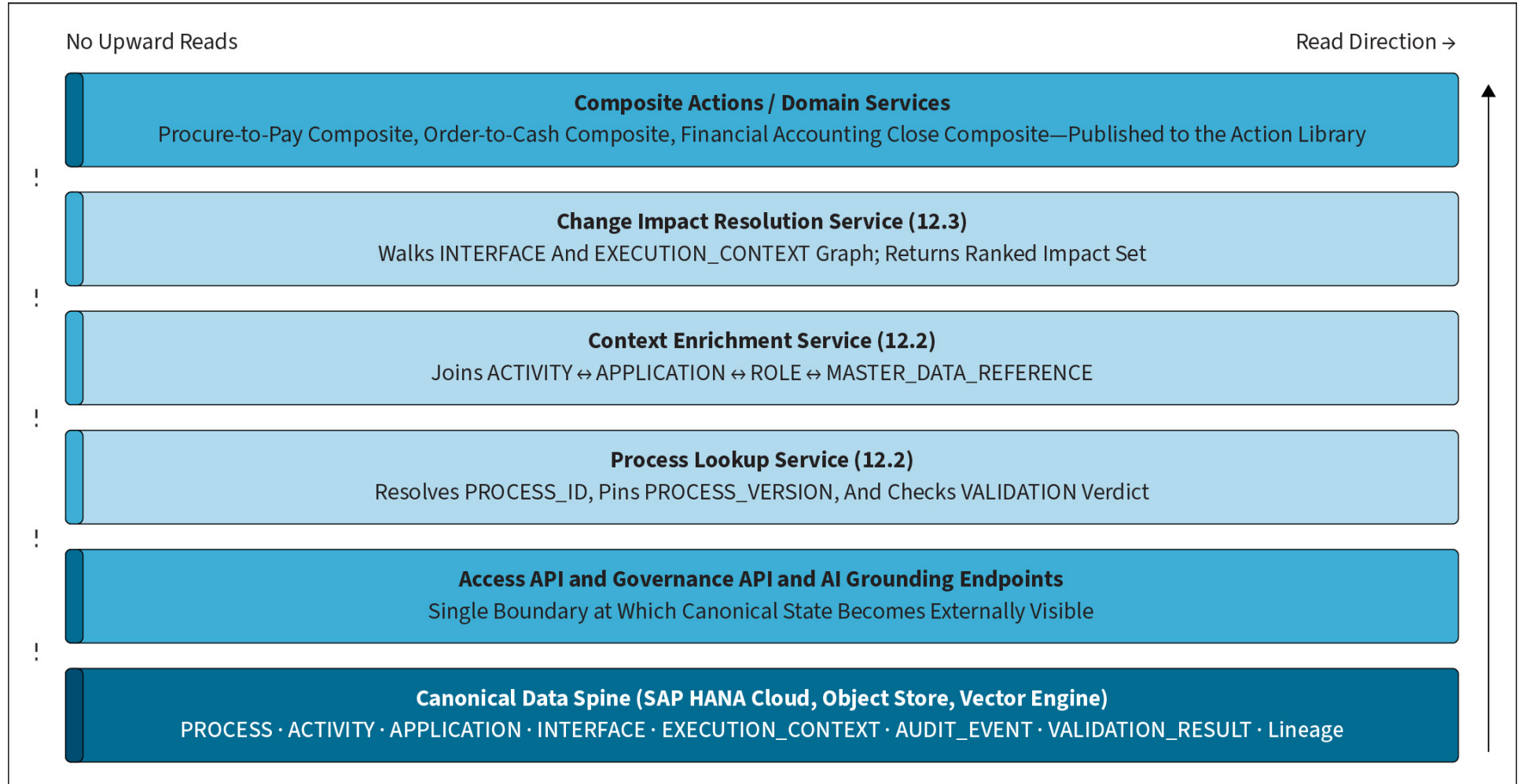


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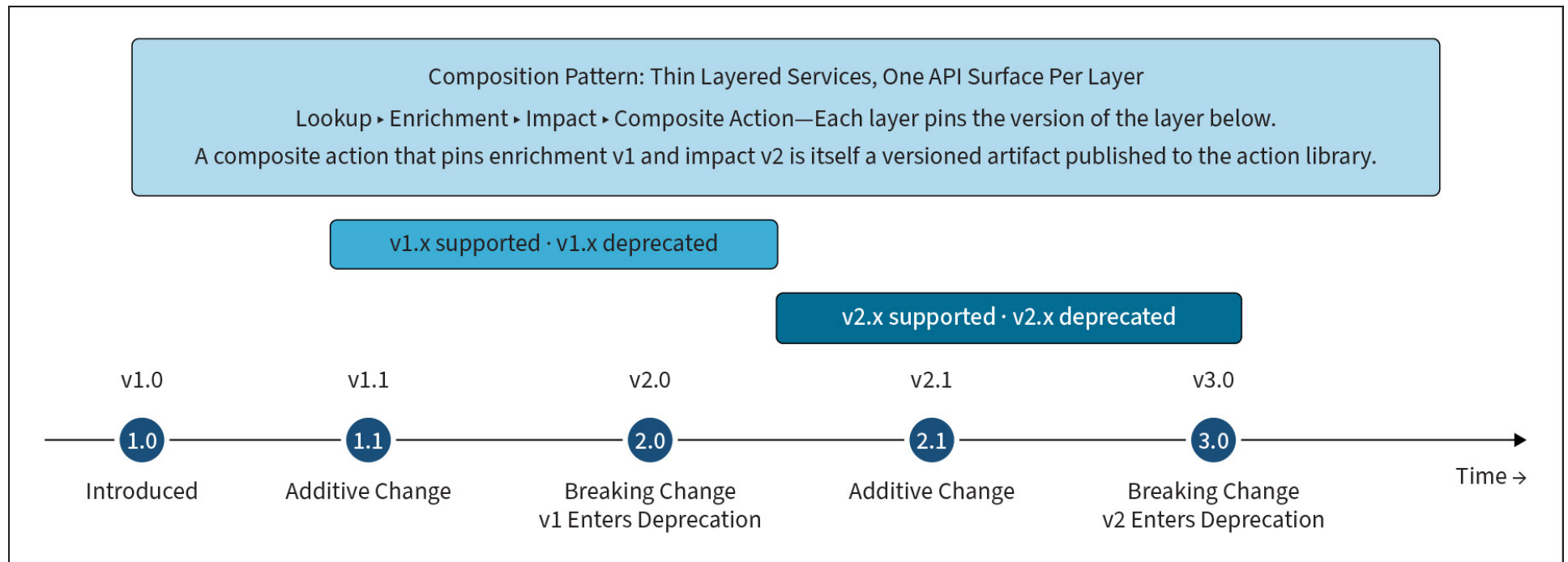


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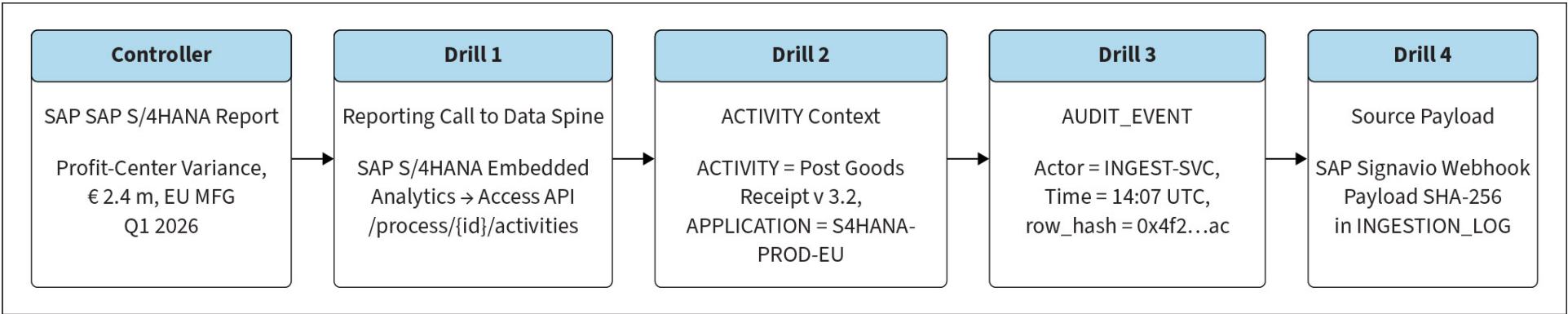


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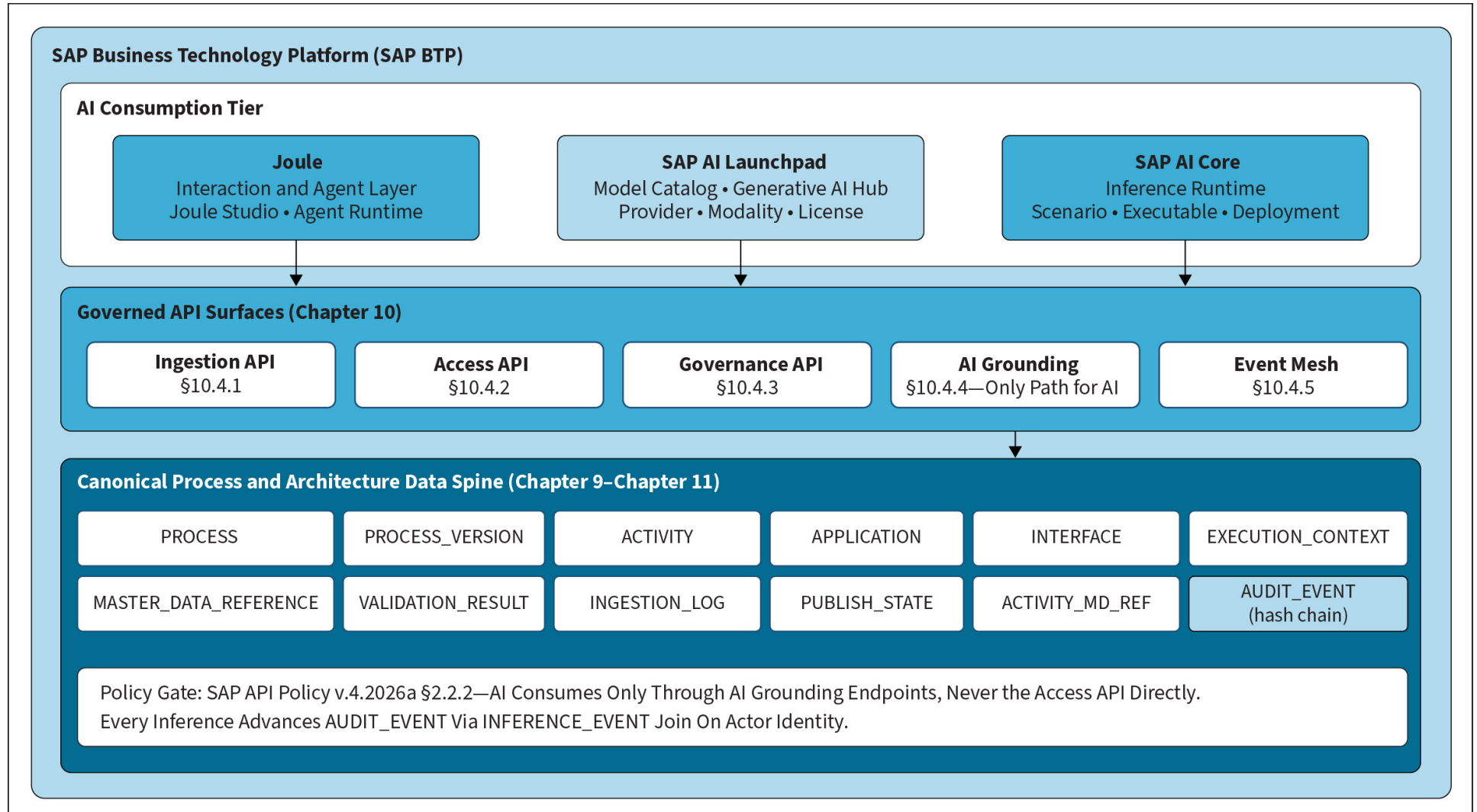


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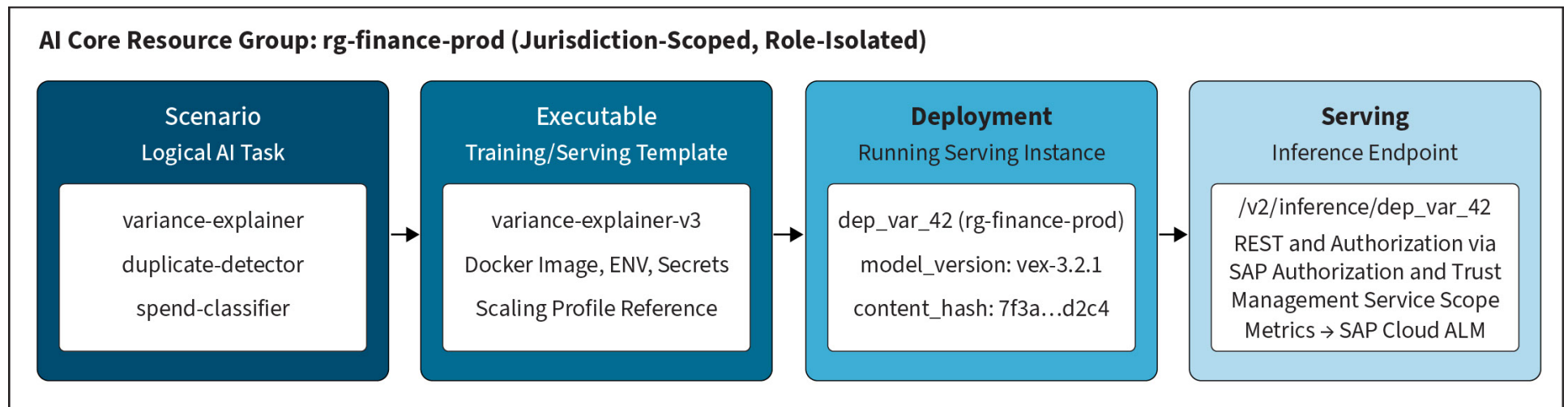


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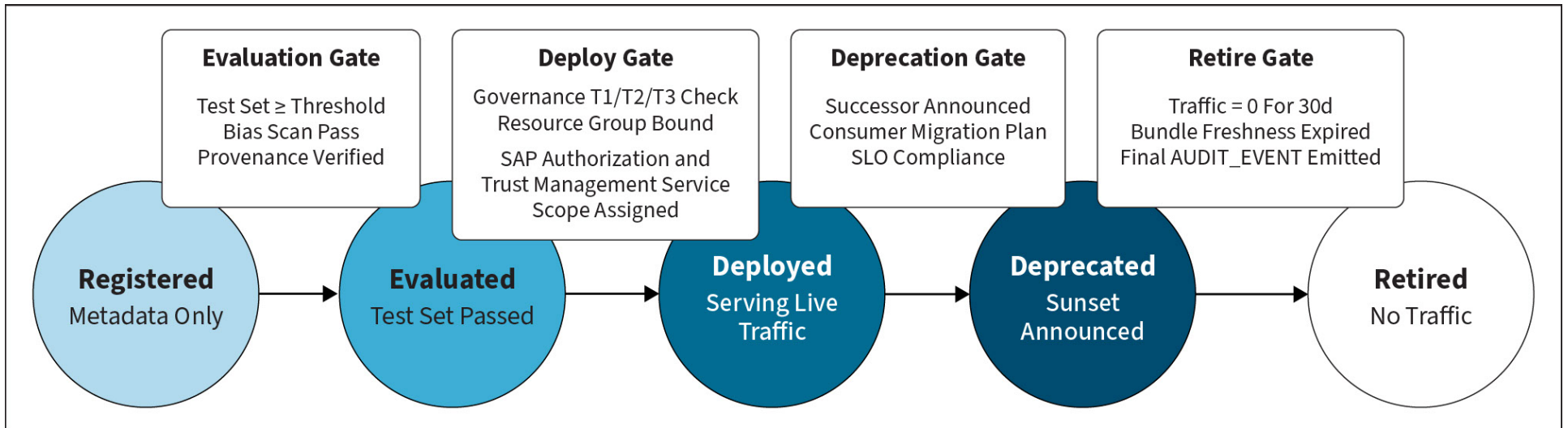


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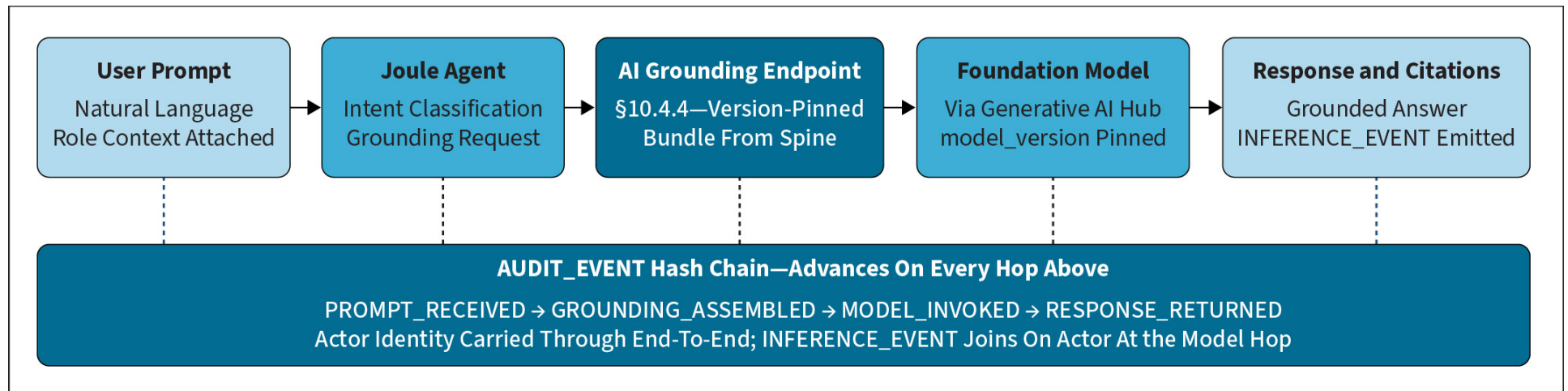


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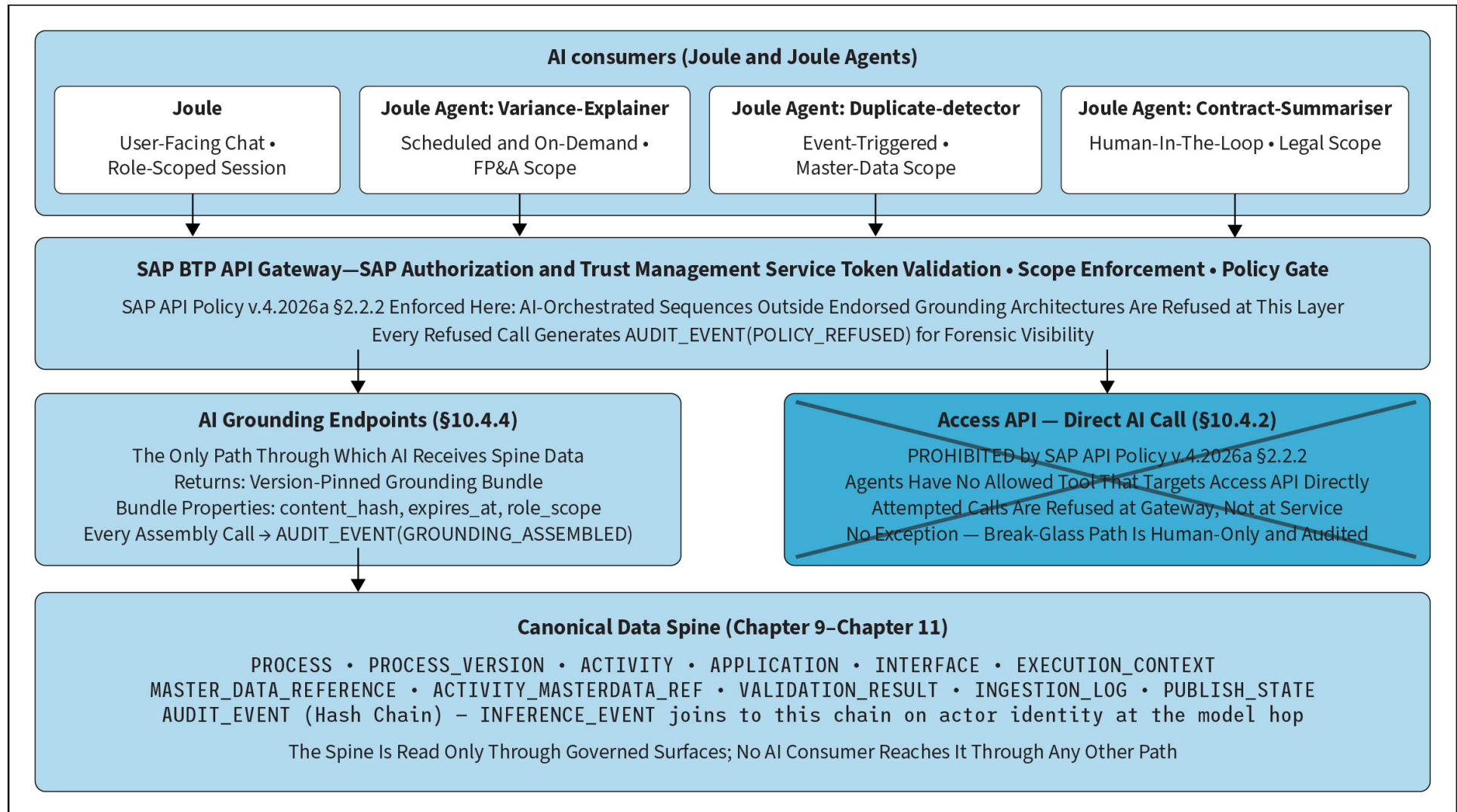


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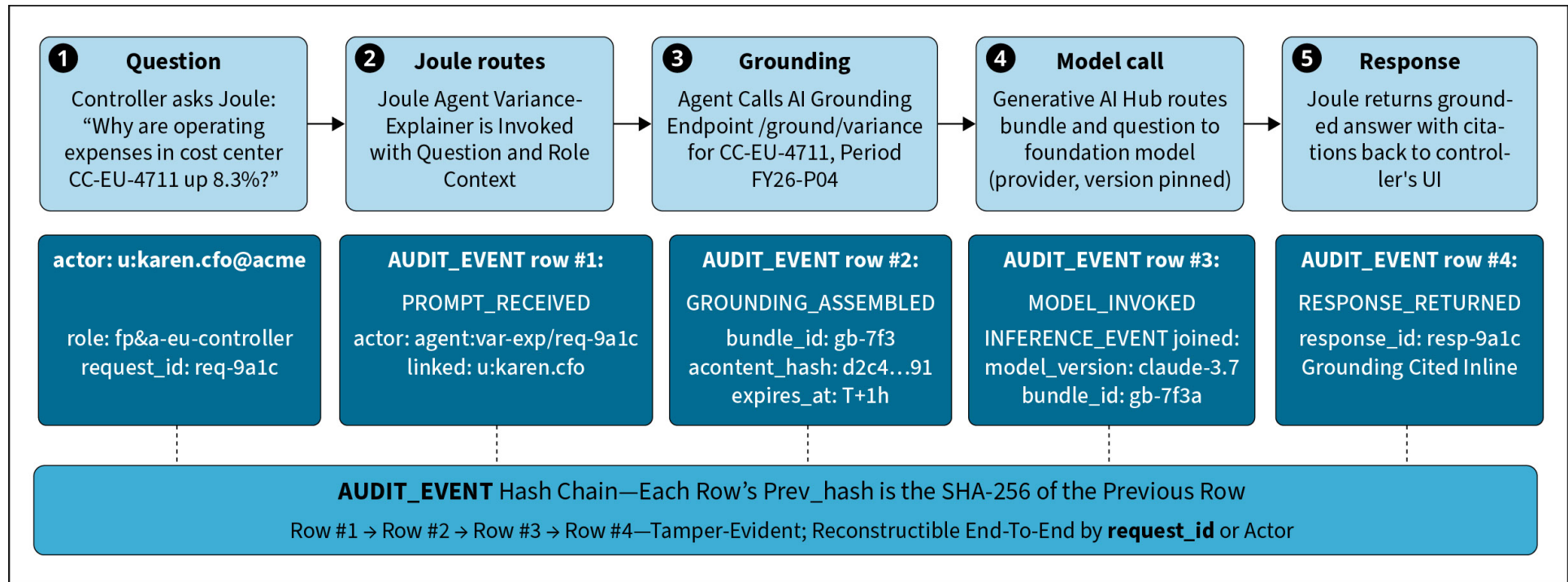


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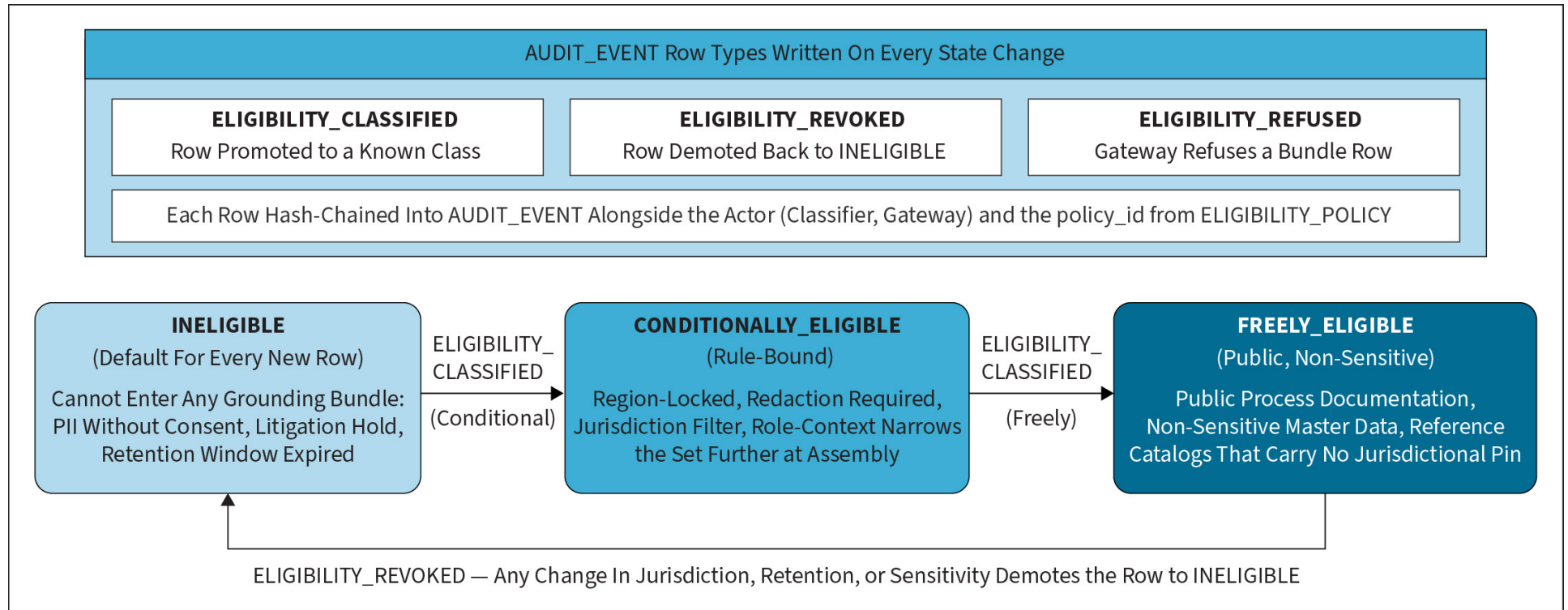


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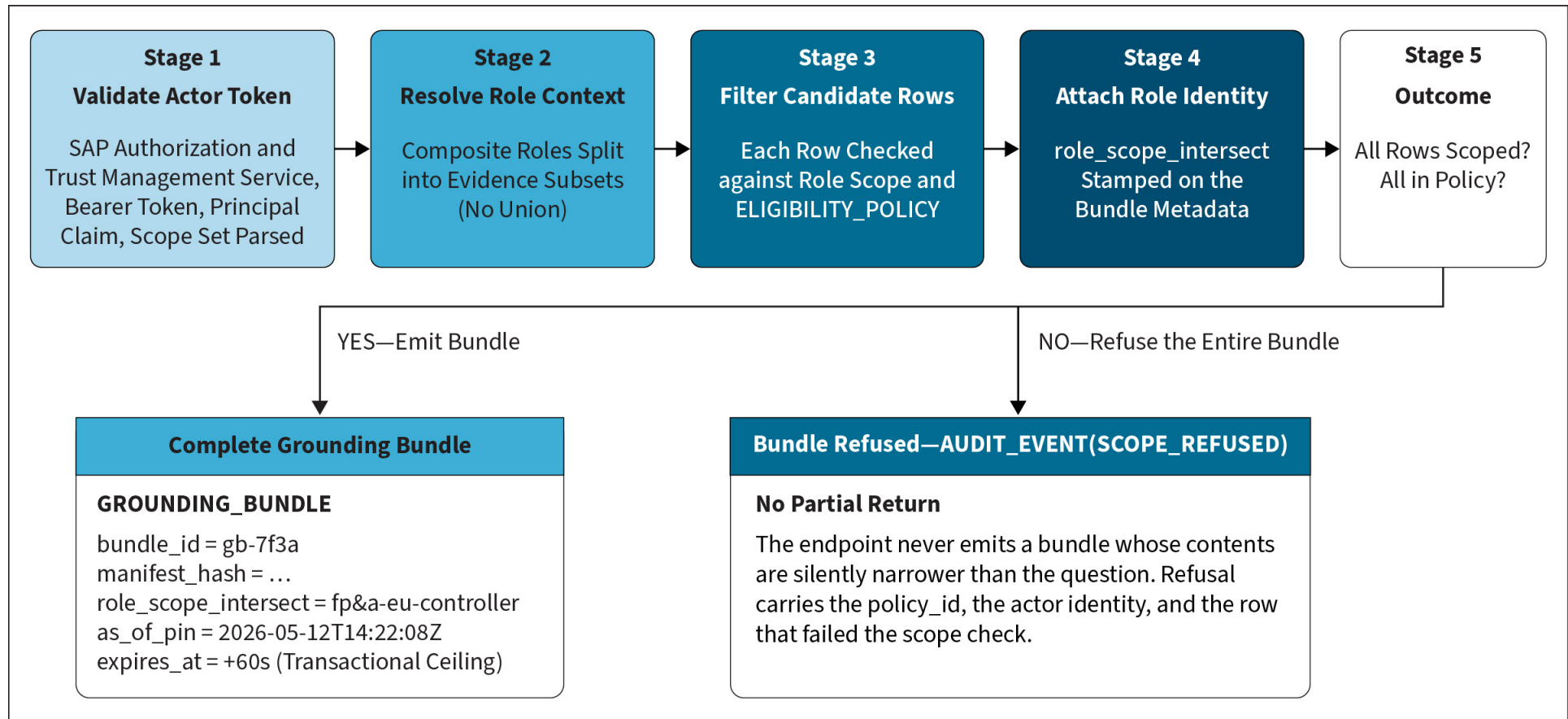


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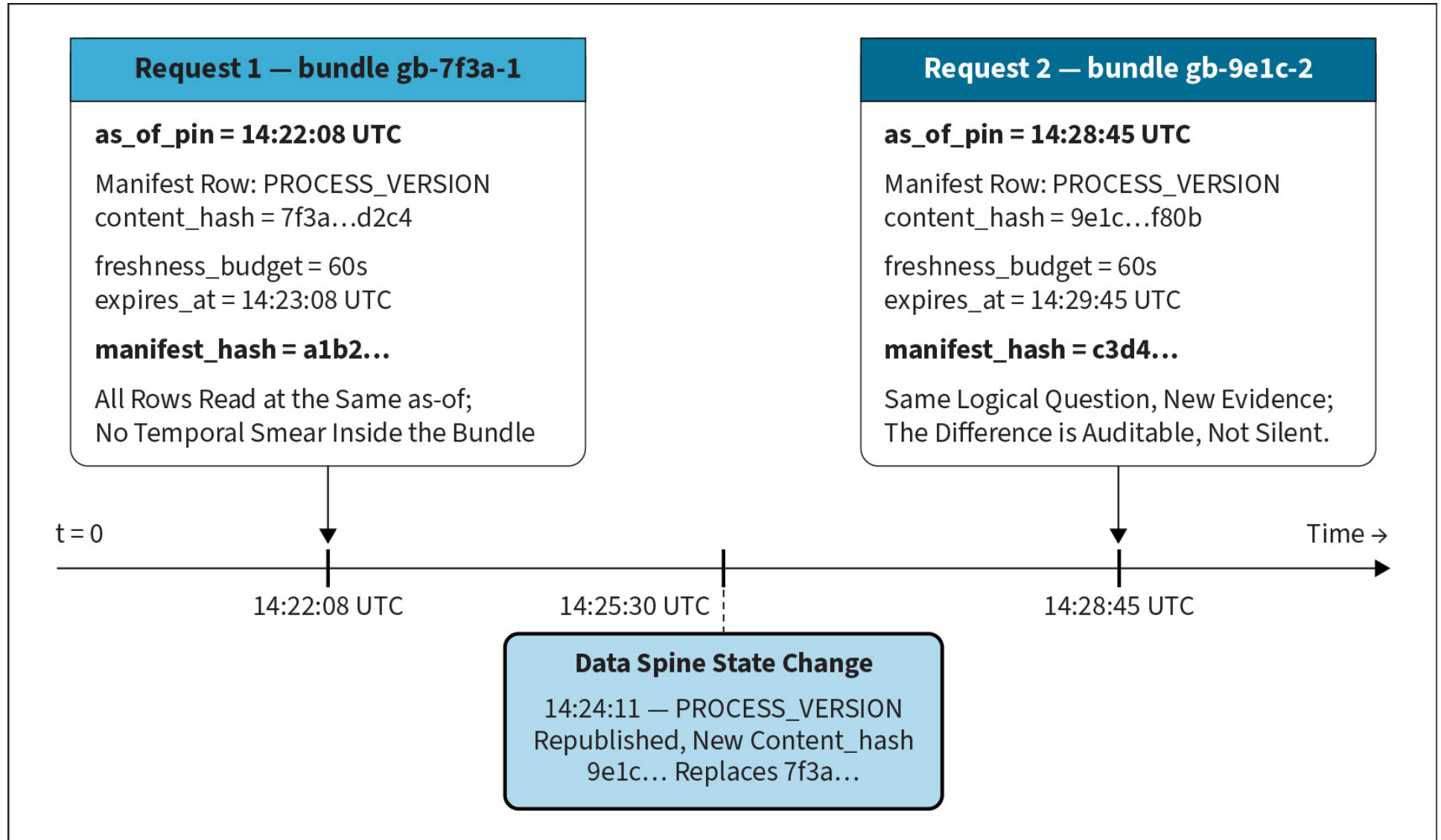


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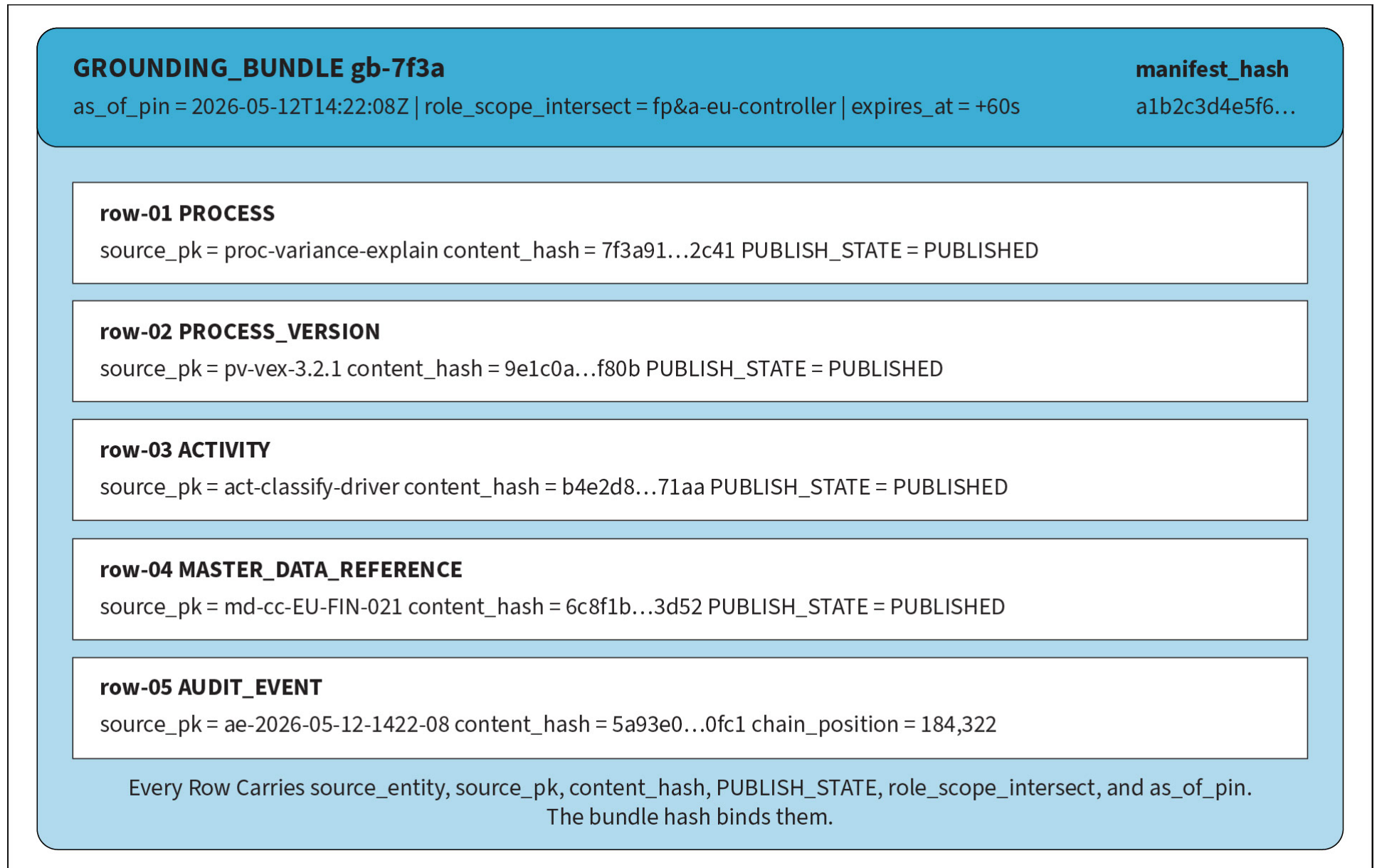


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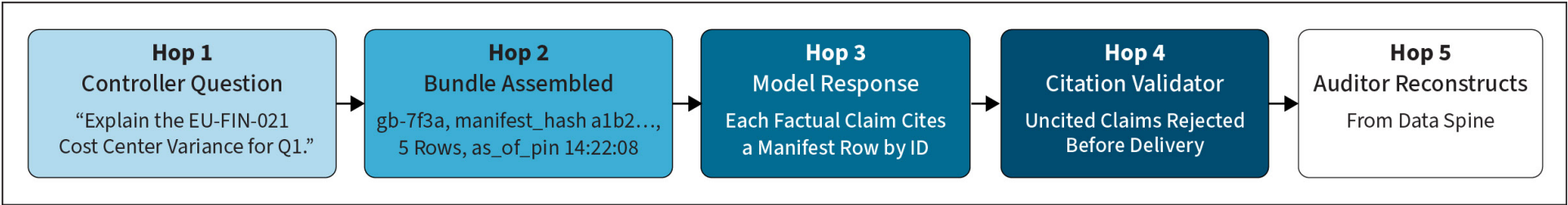


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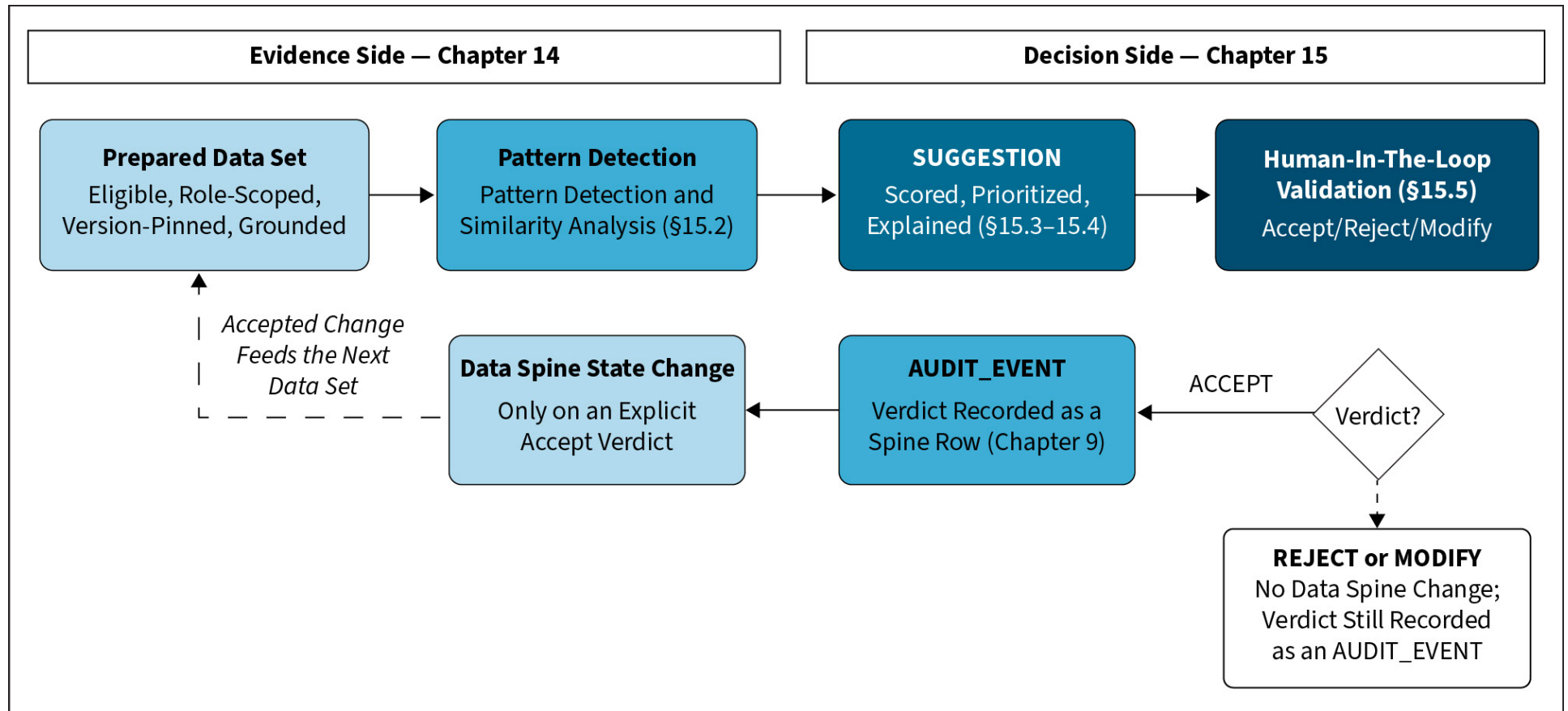


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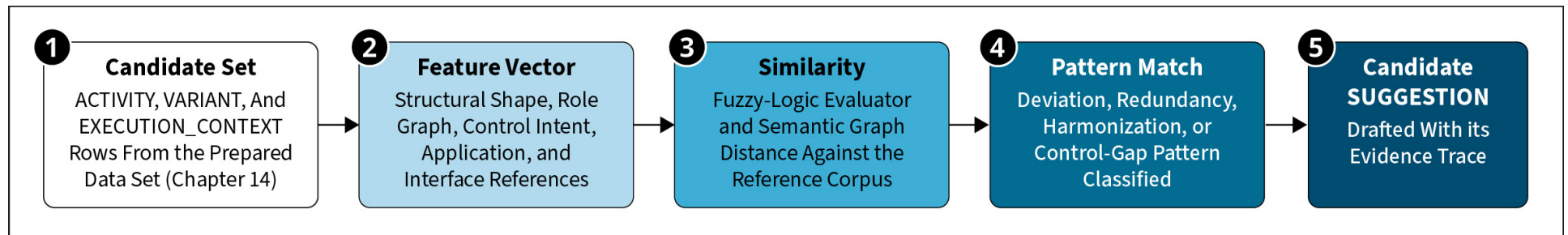


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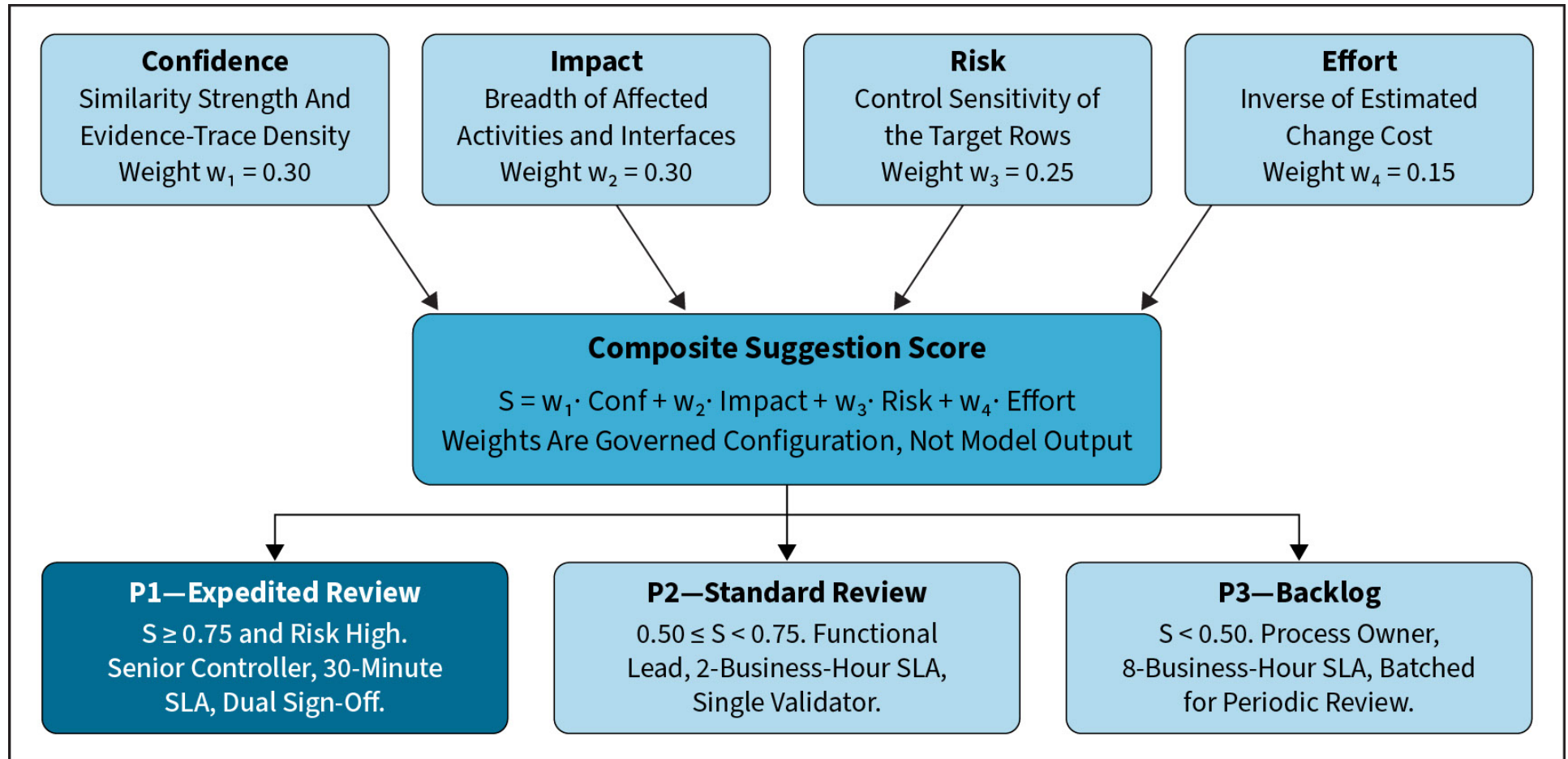


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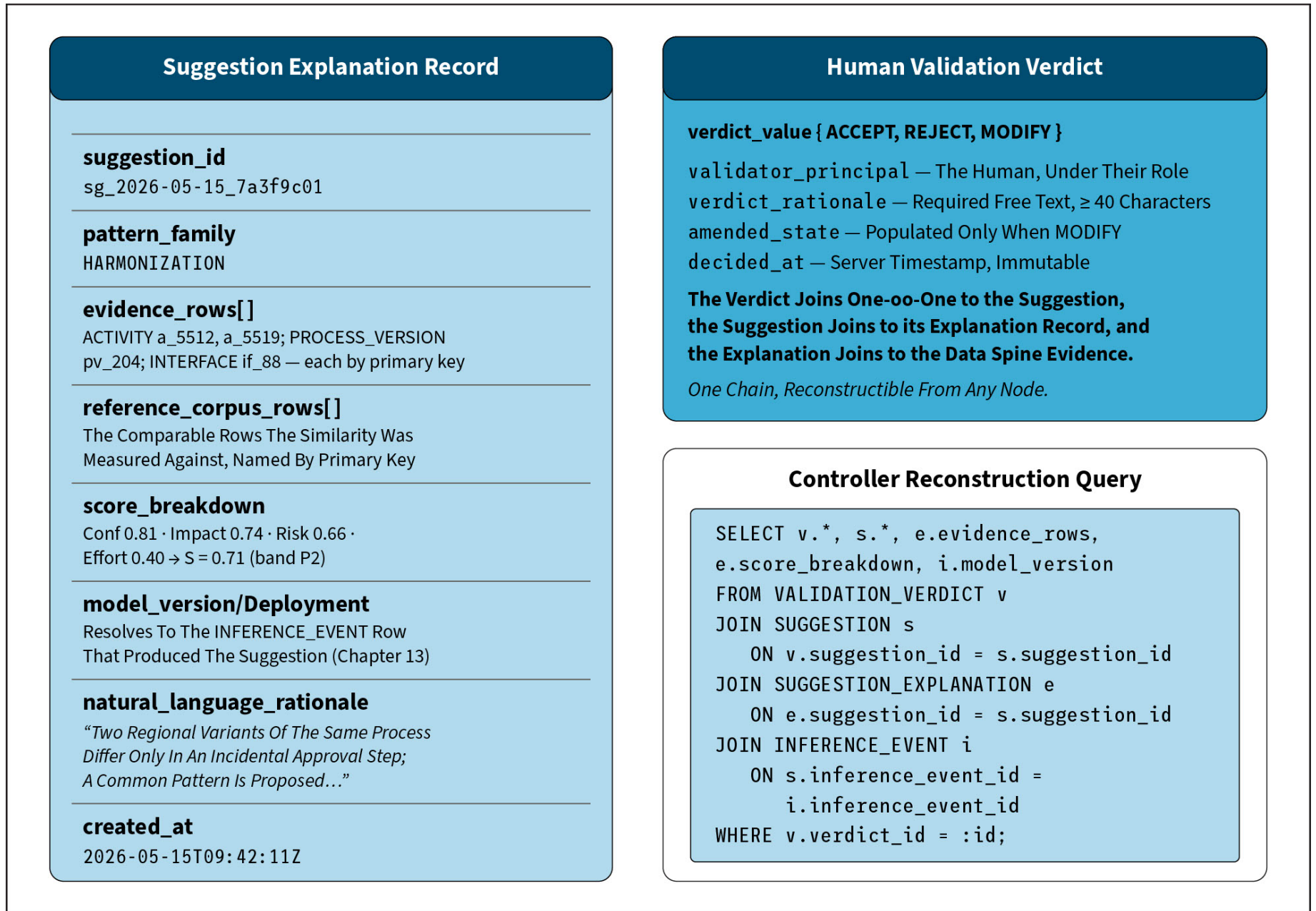


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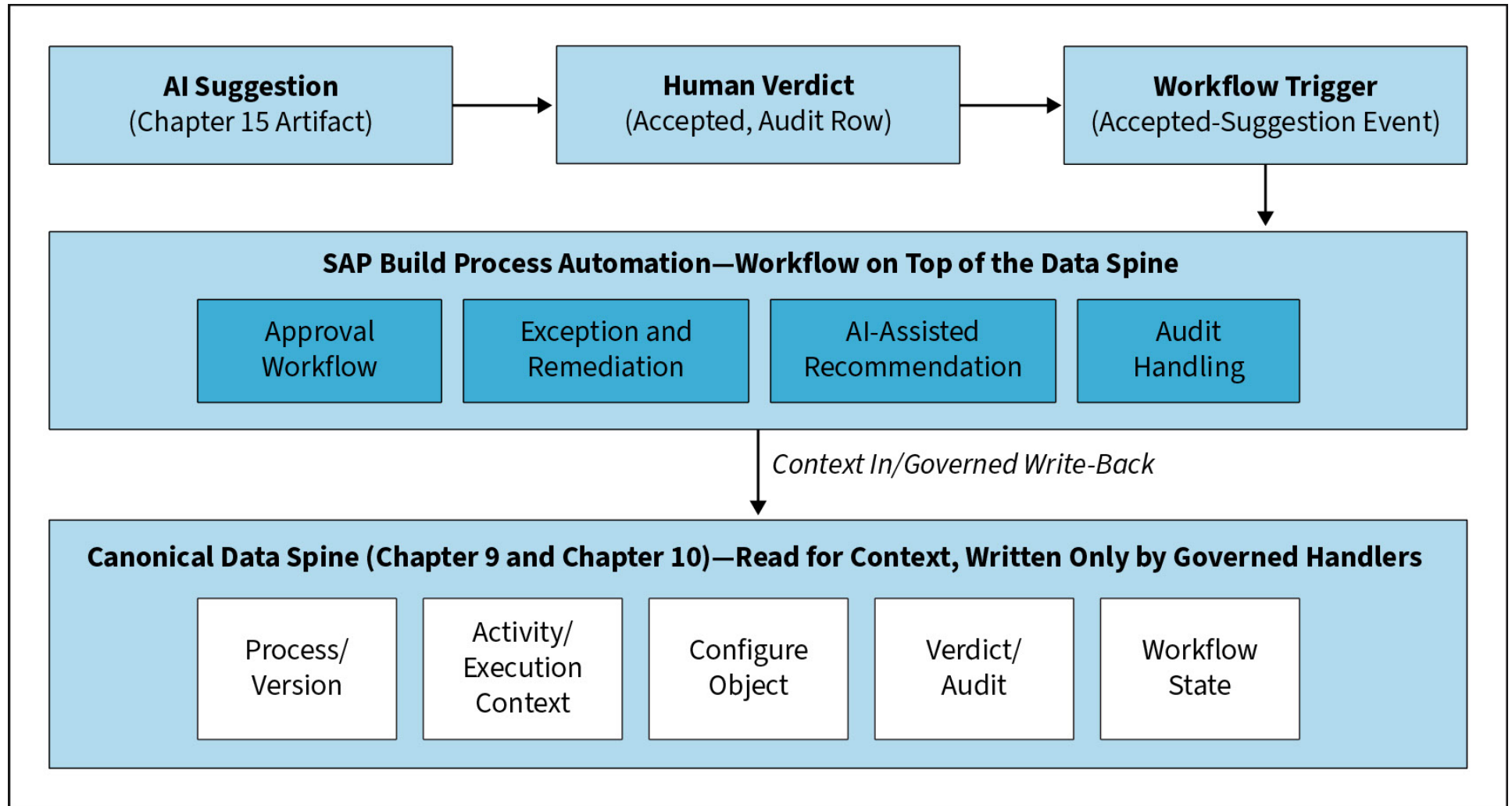


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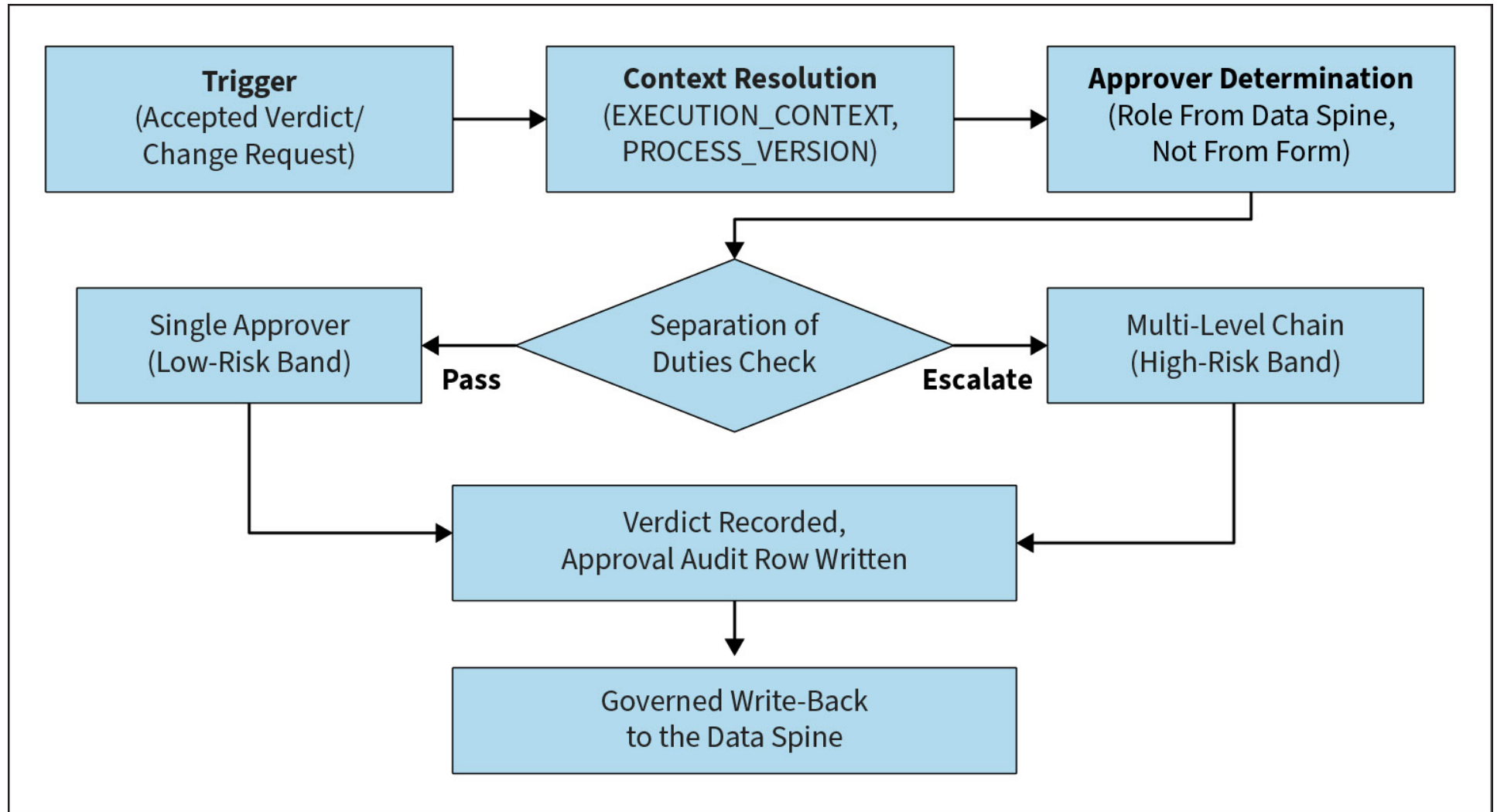


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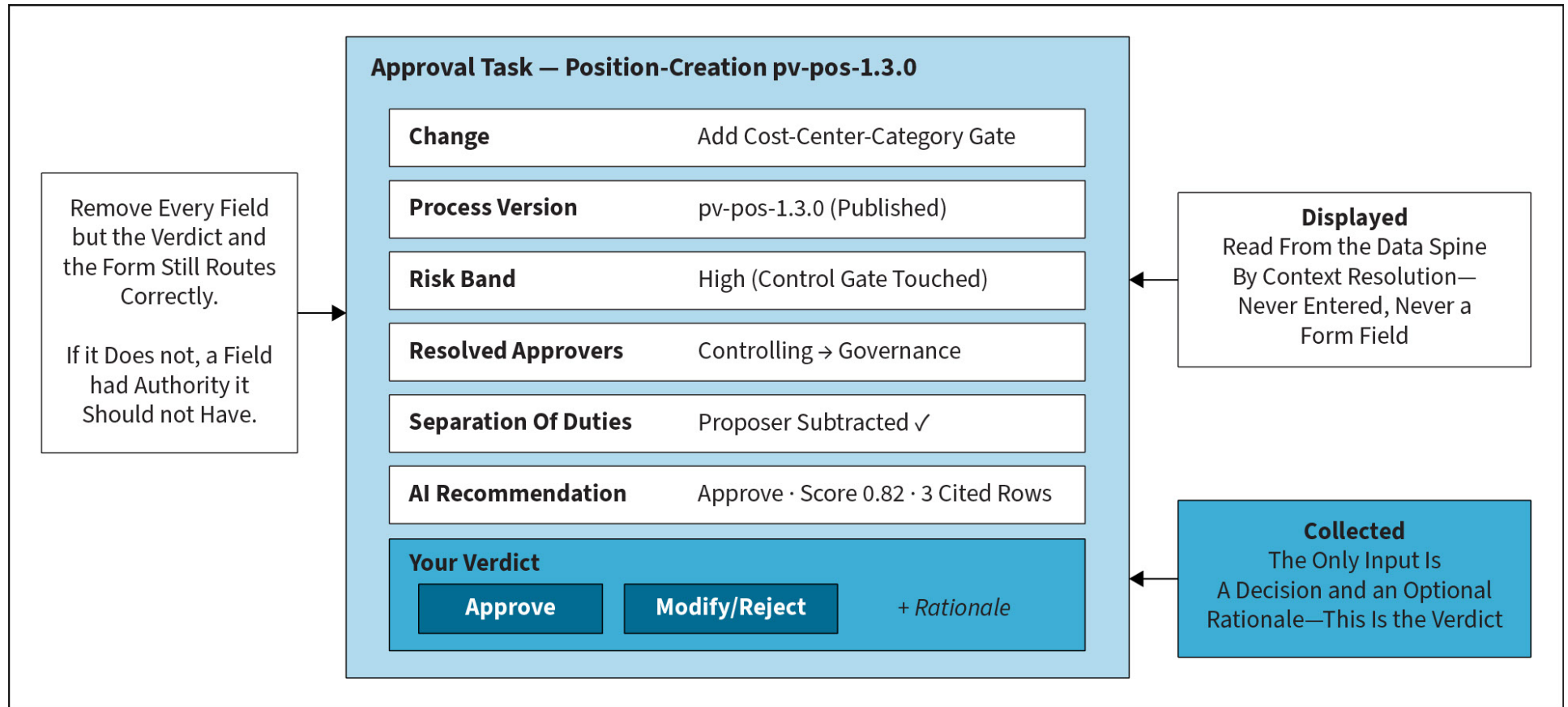


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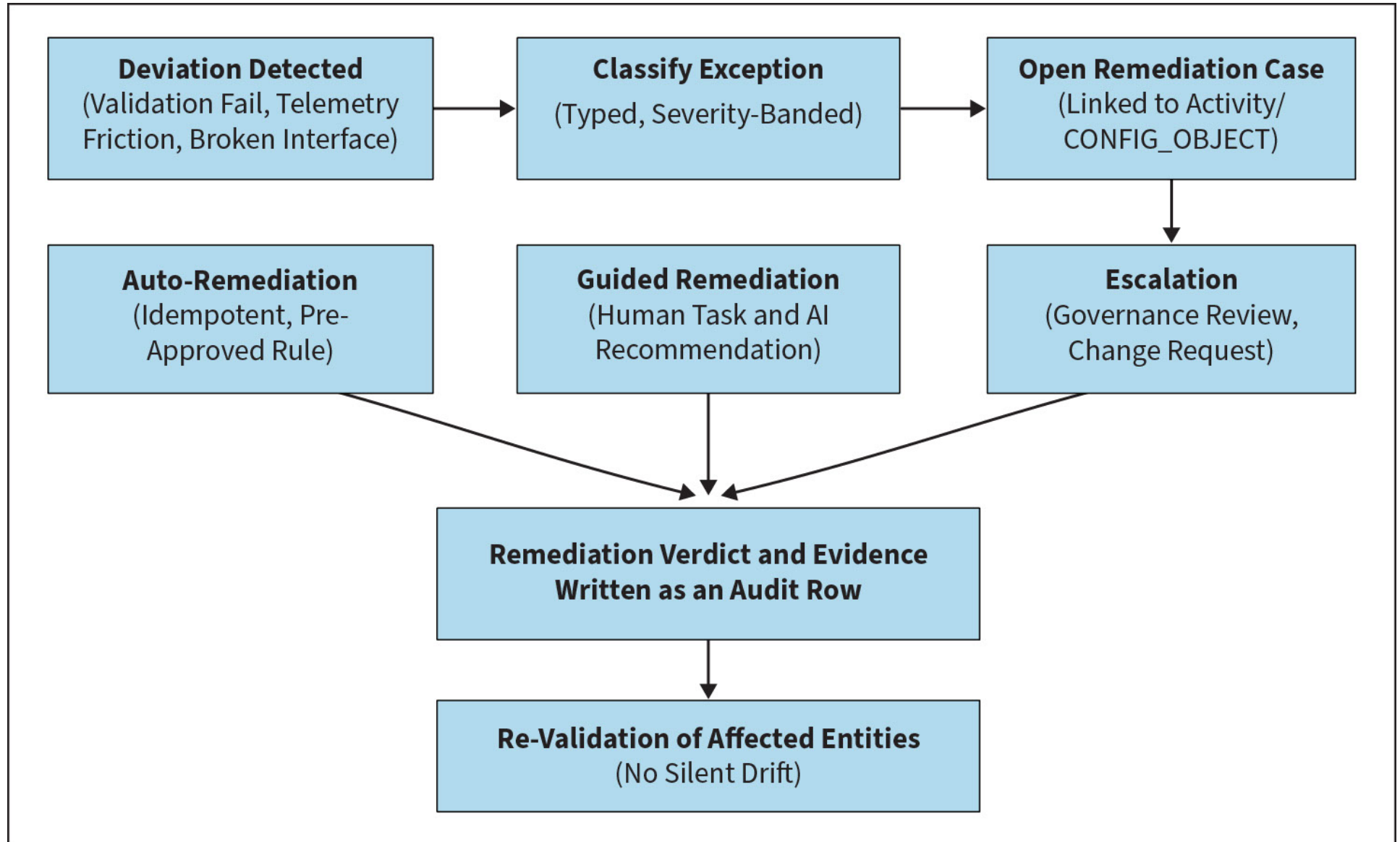


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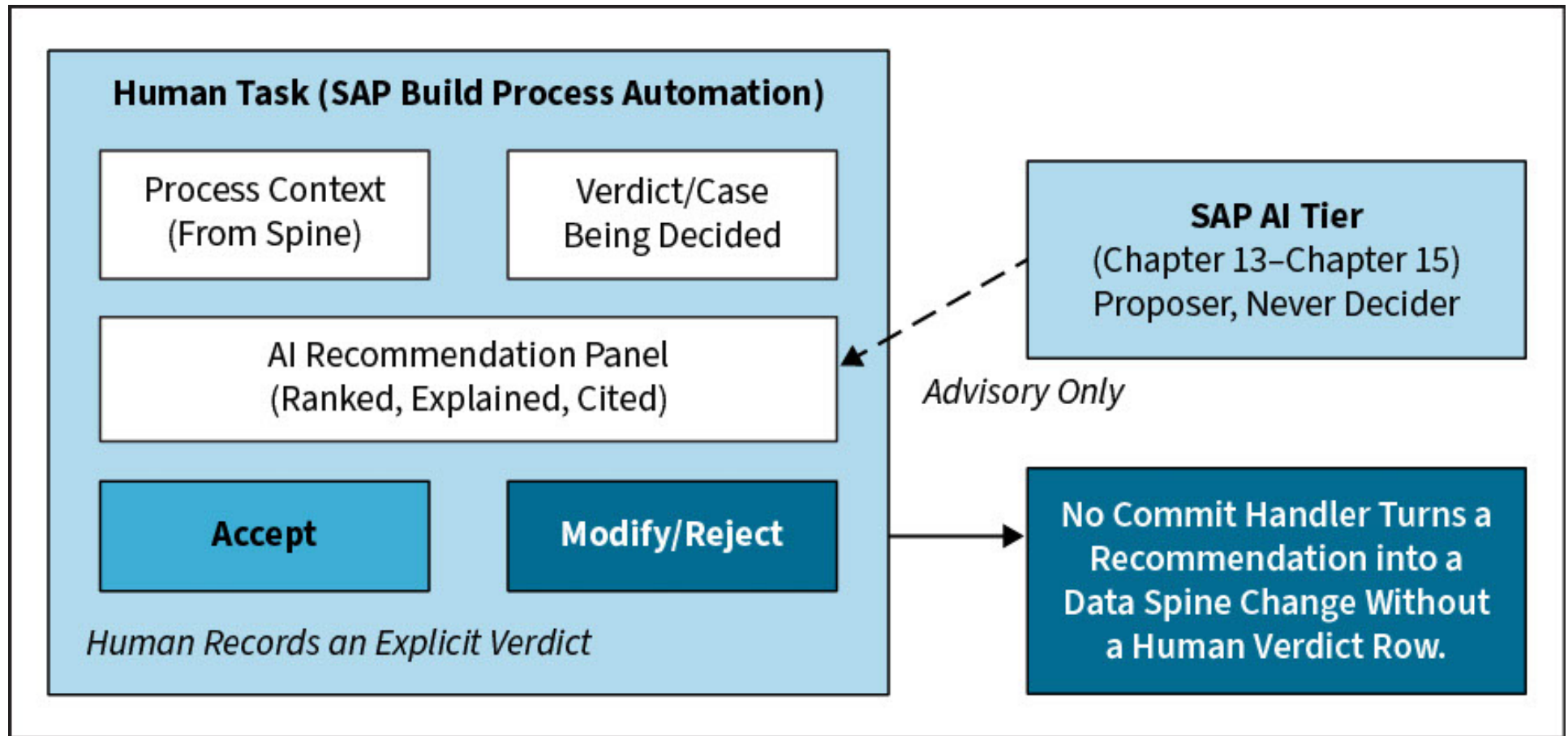


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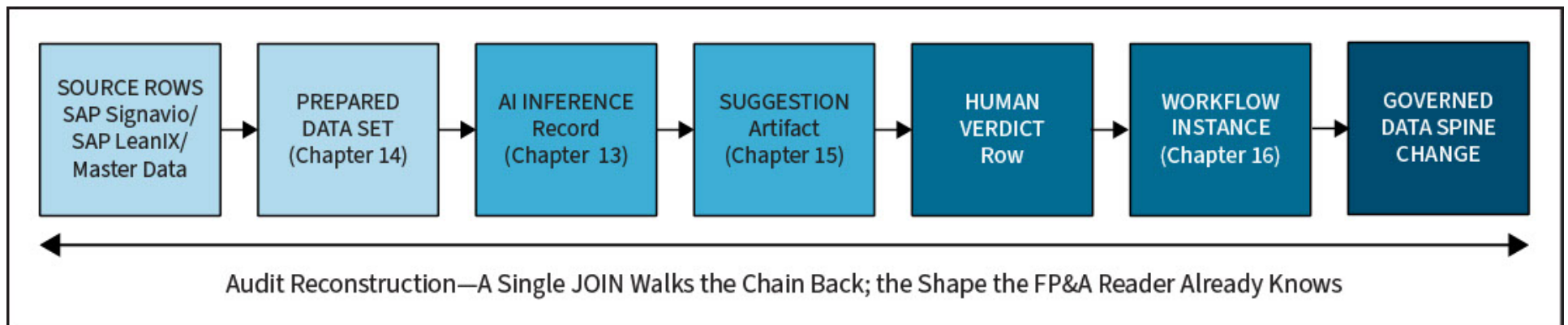


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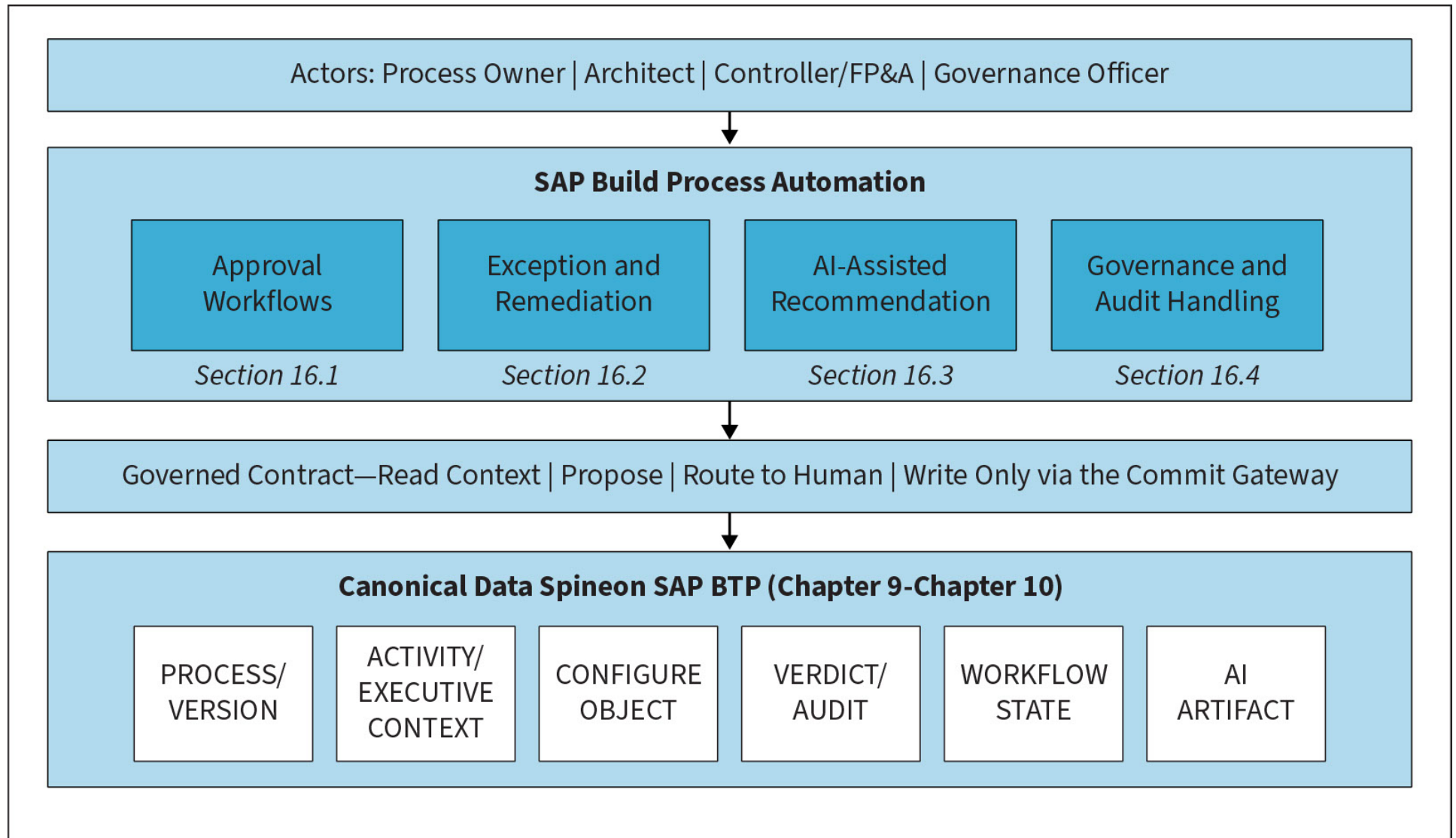


Figure 16.7

Figures from Integrating Architecture, Processes, and AI on SAP BTP

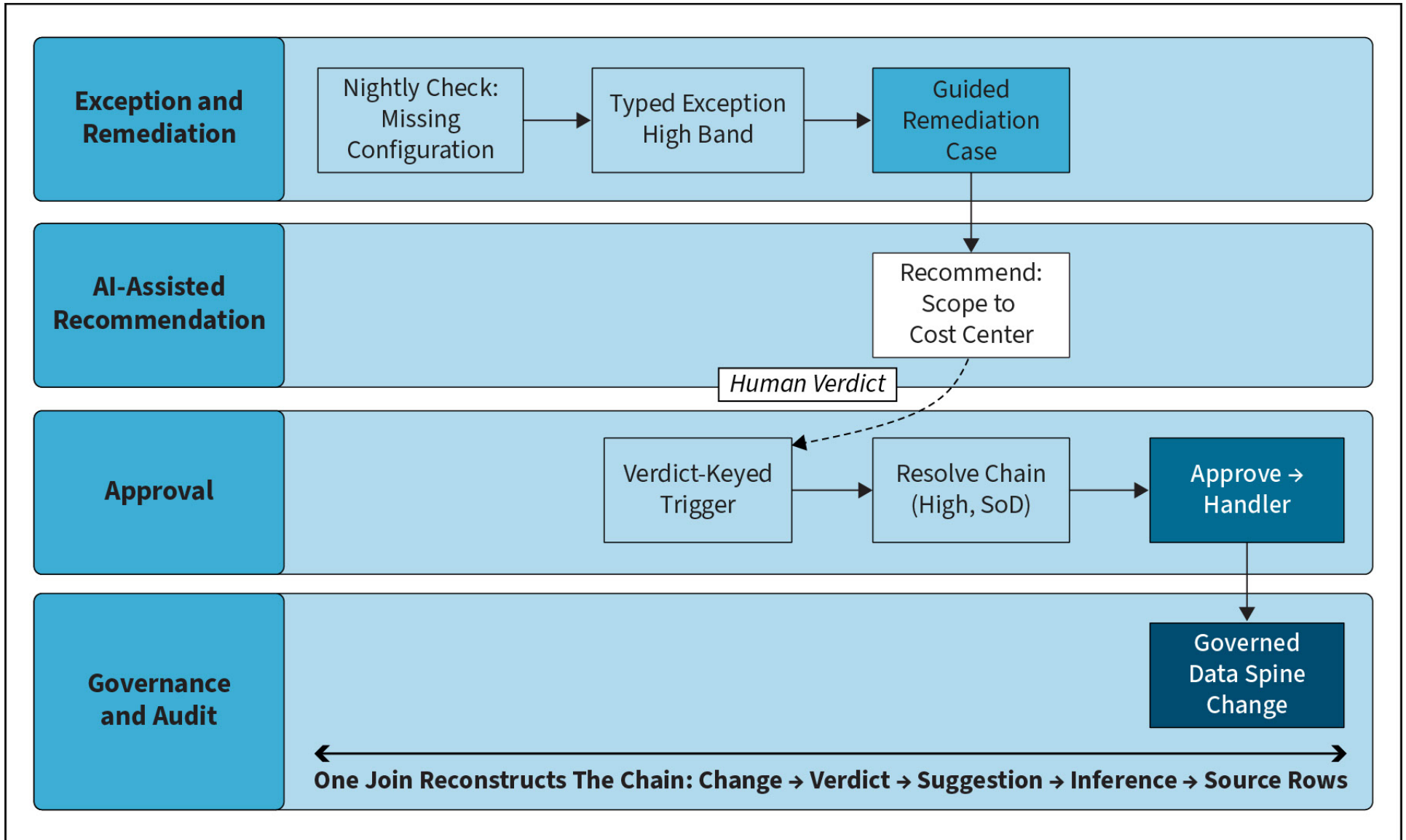


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Figures from Integrating Architecture, Processes, and AI on SAP BTP

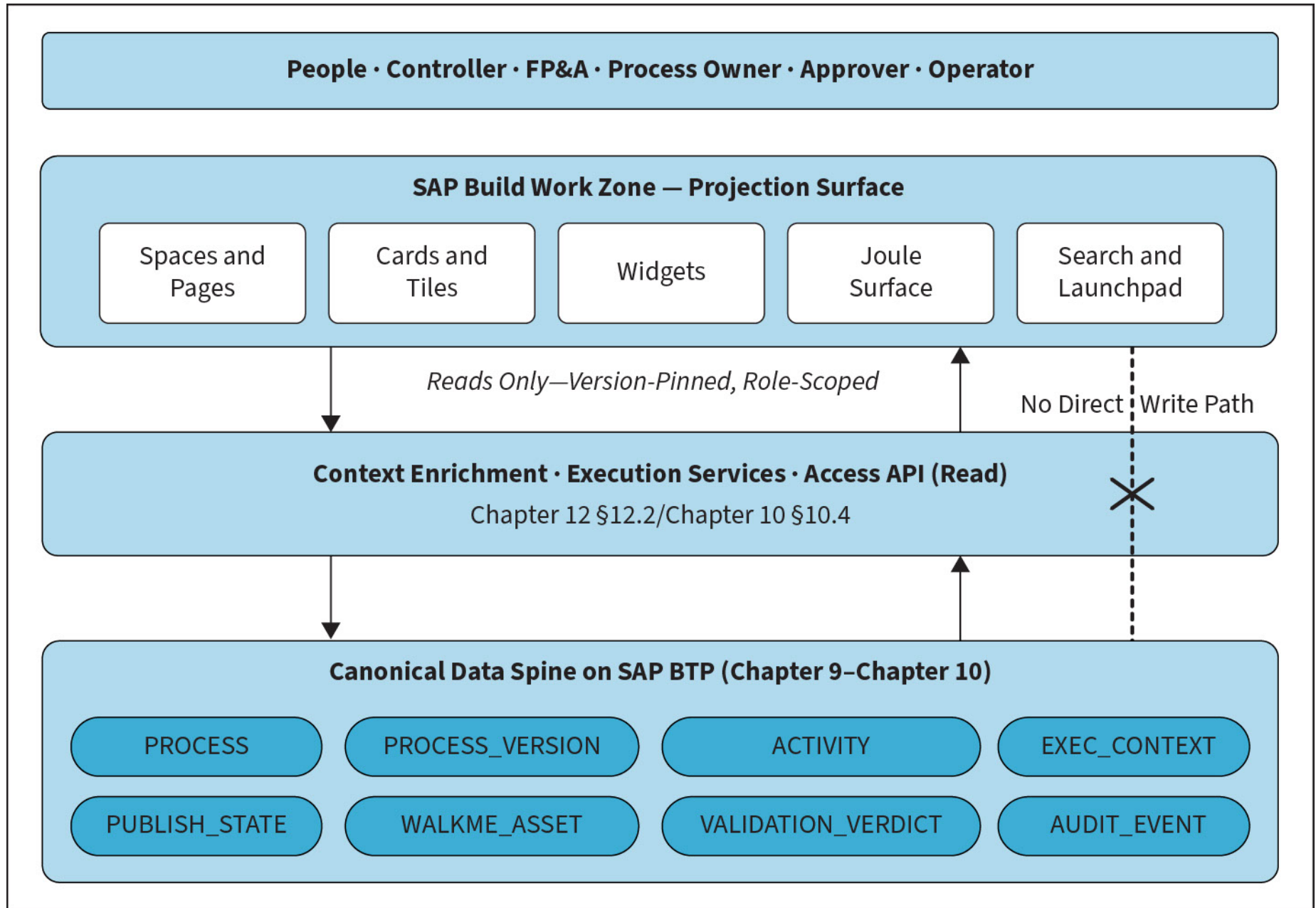


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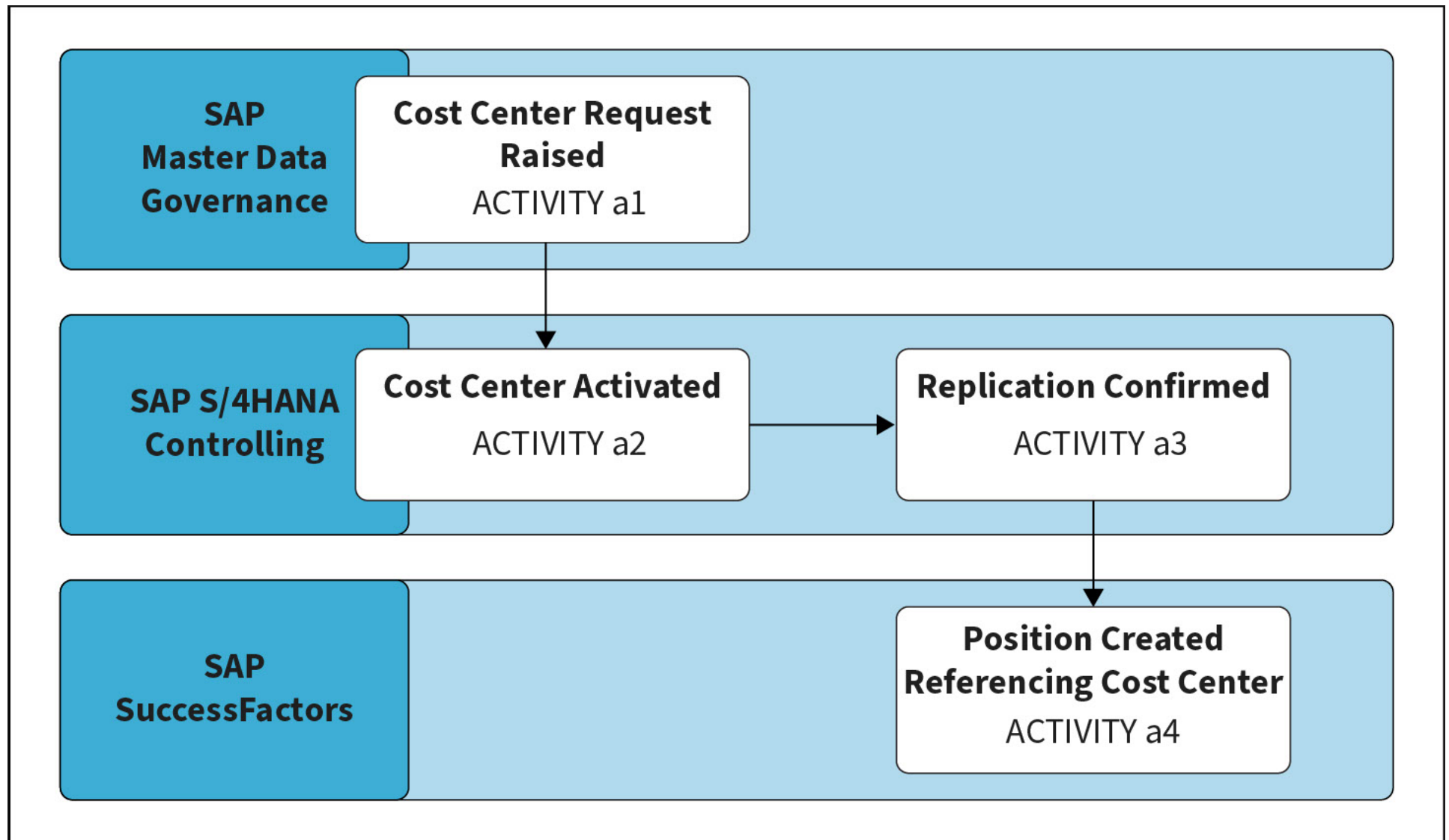


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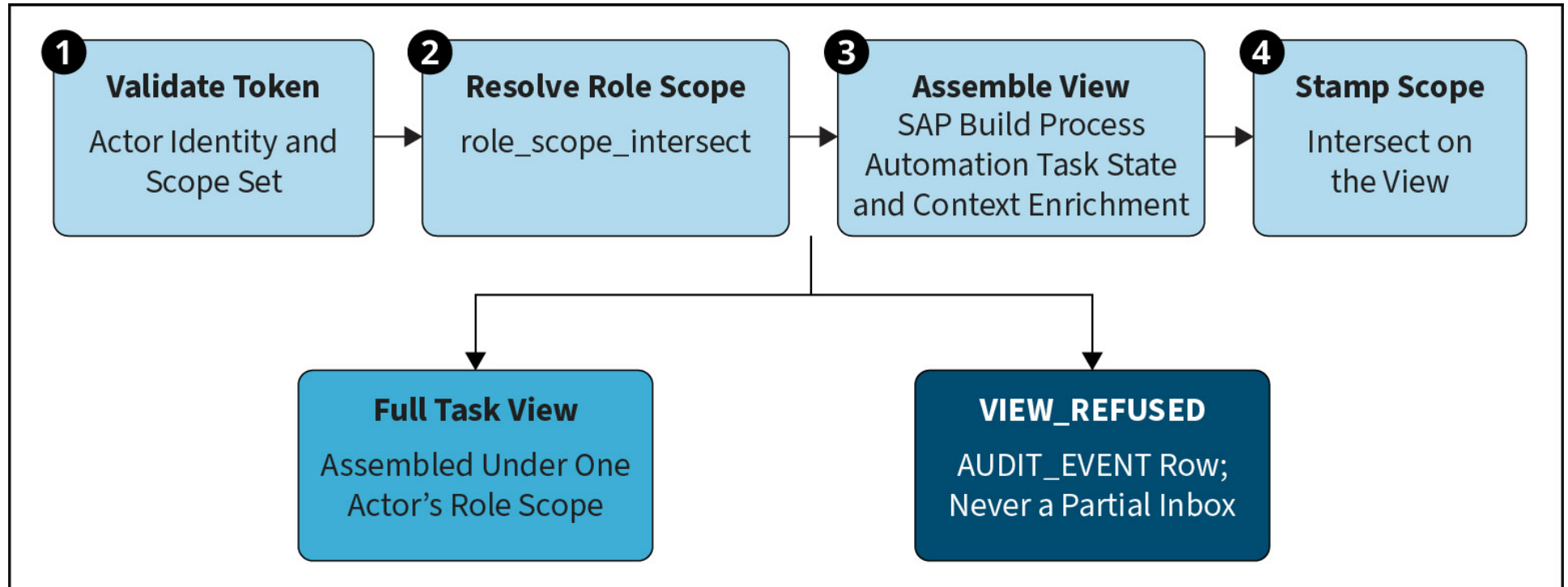


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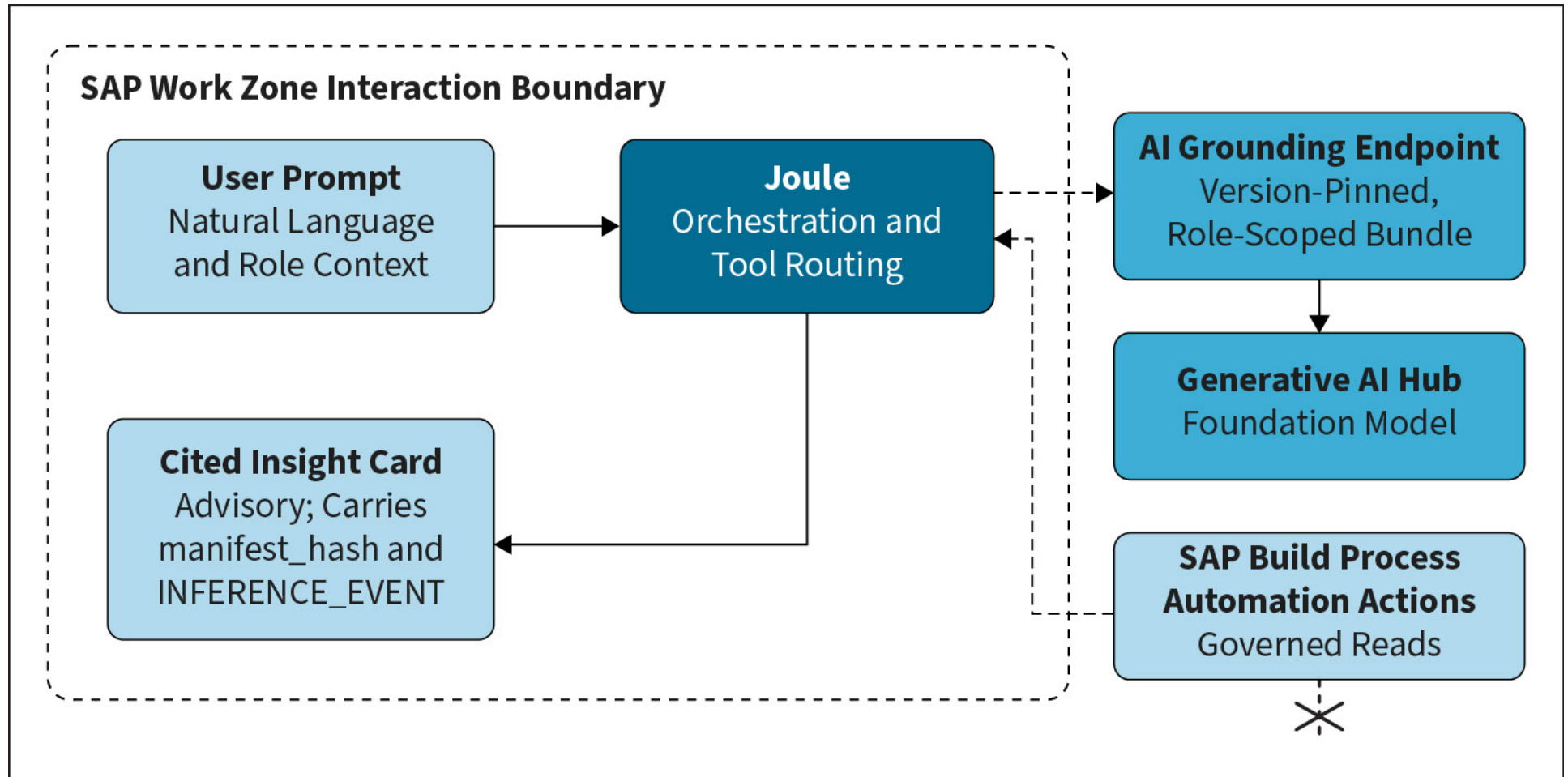


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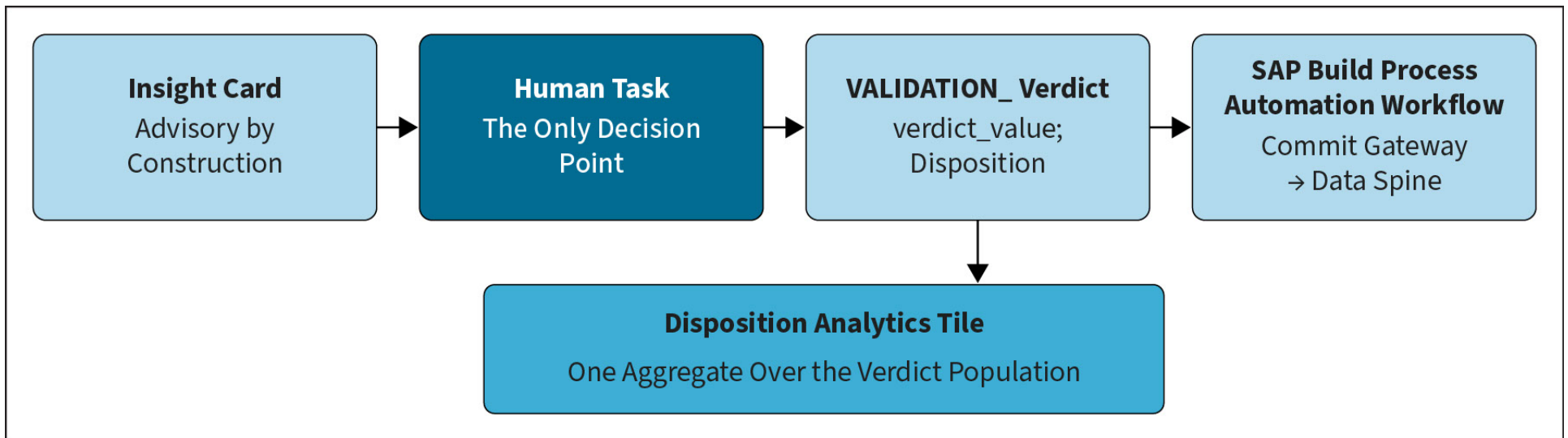


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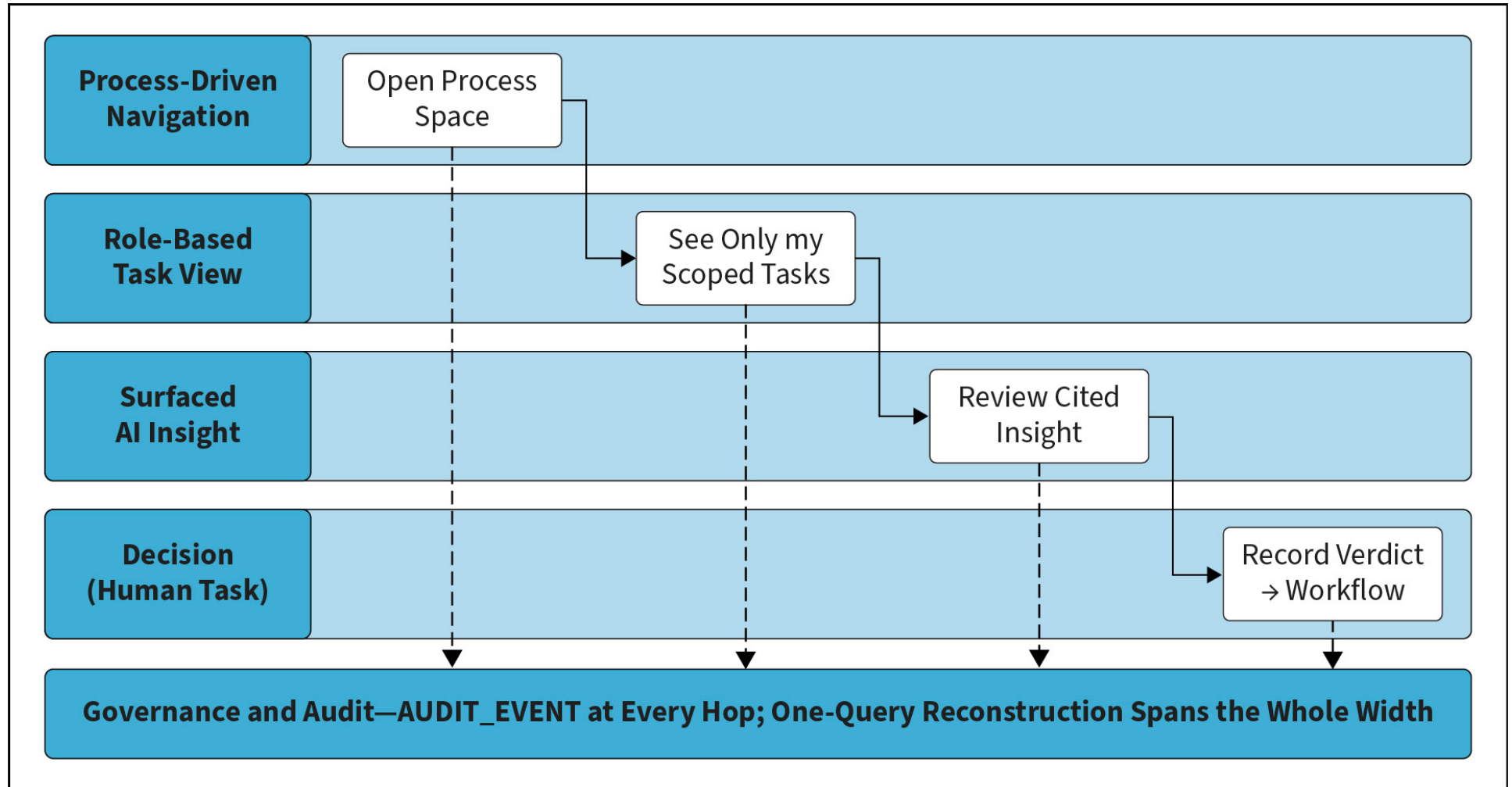


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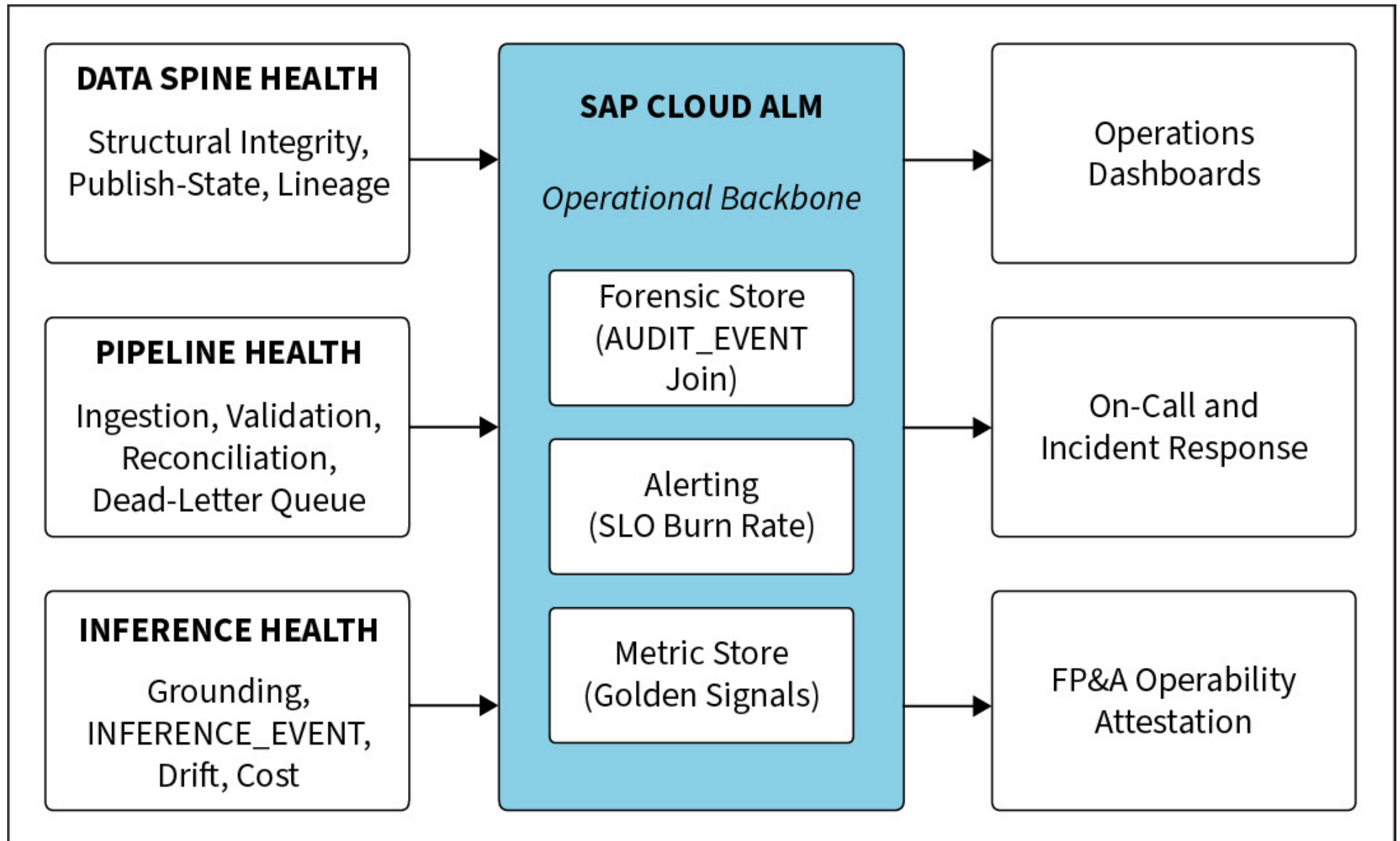


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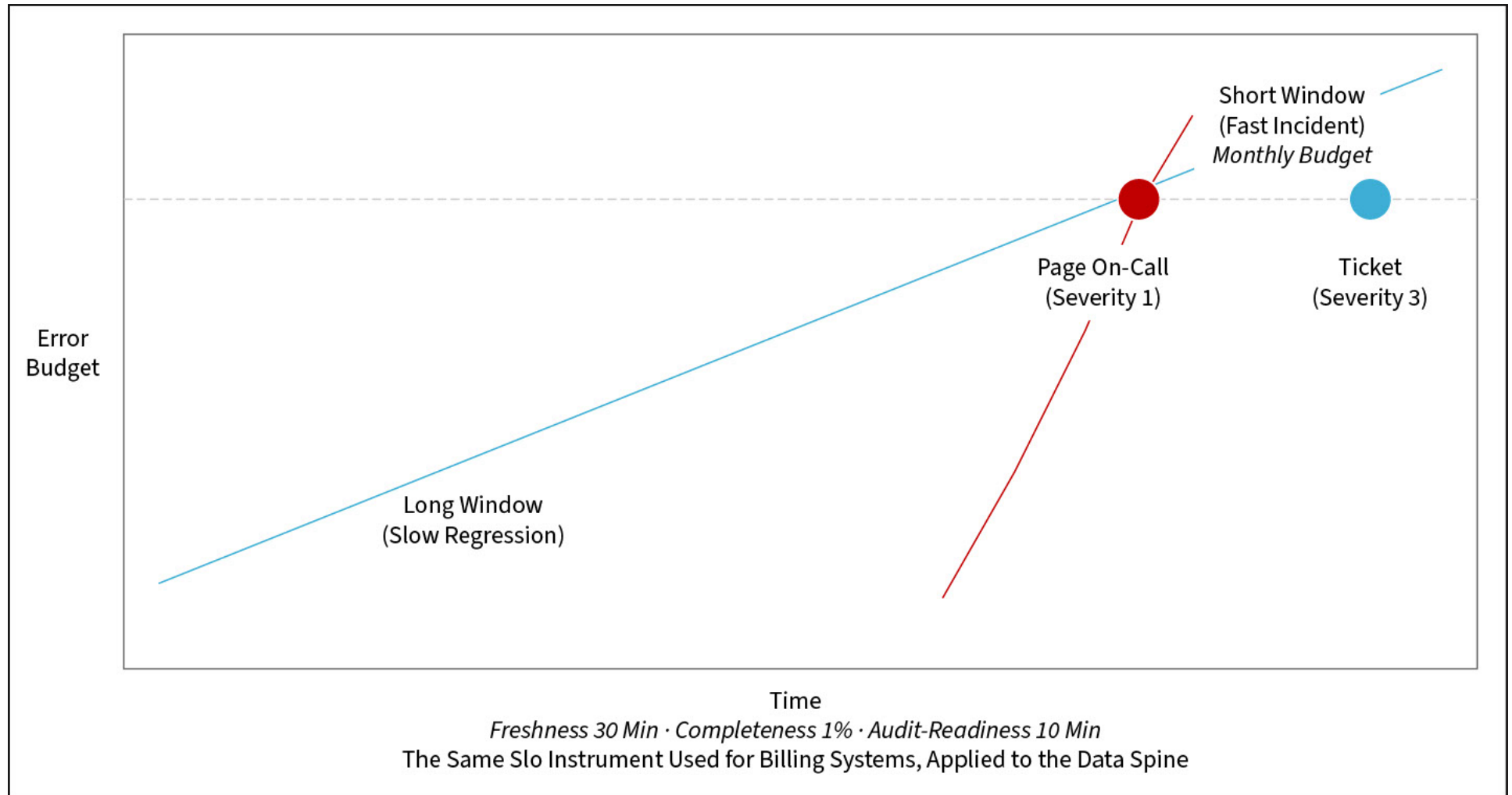


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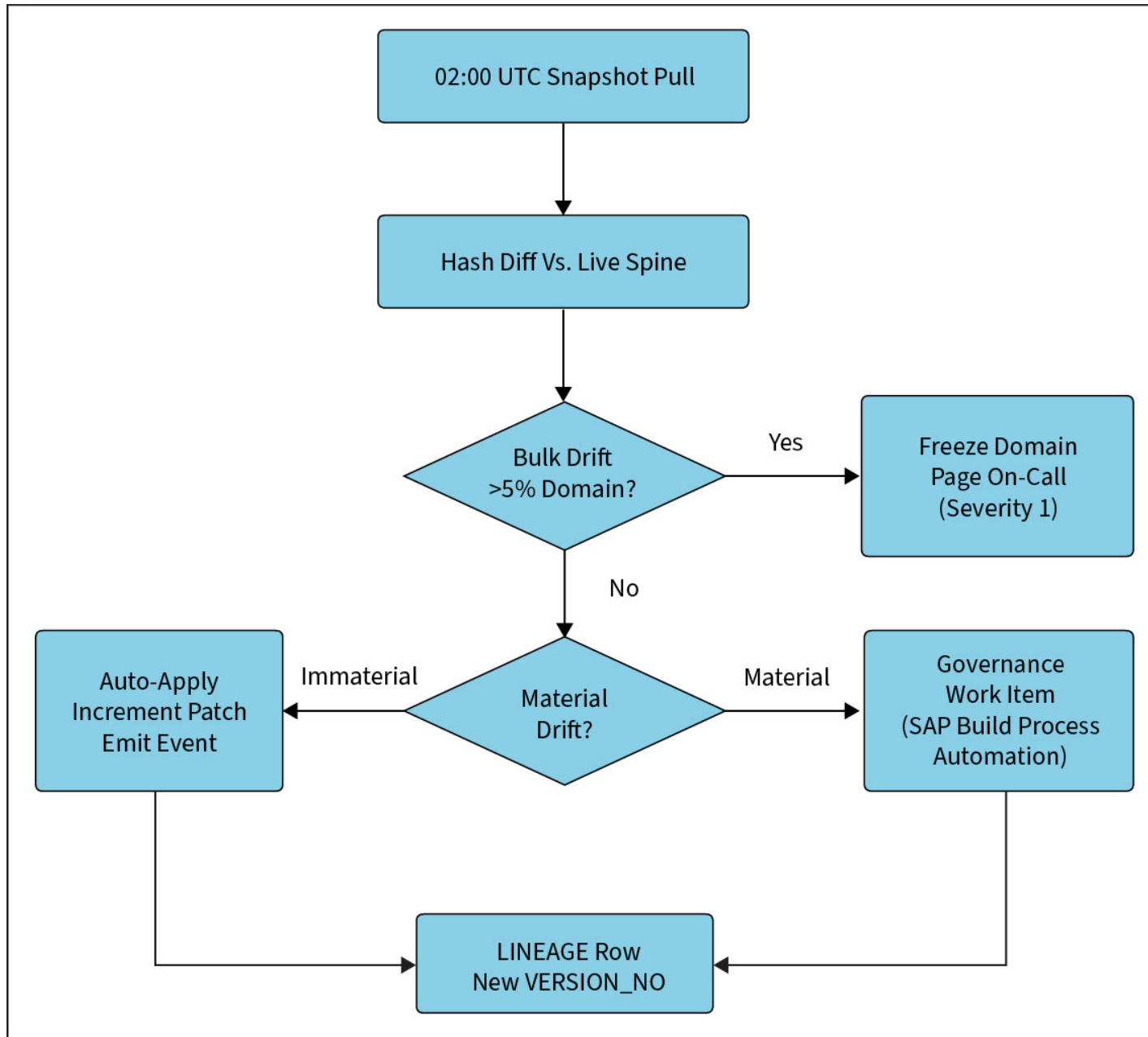


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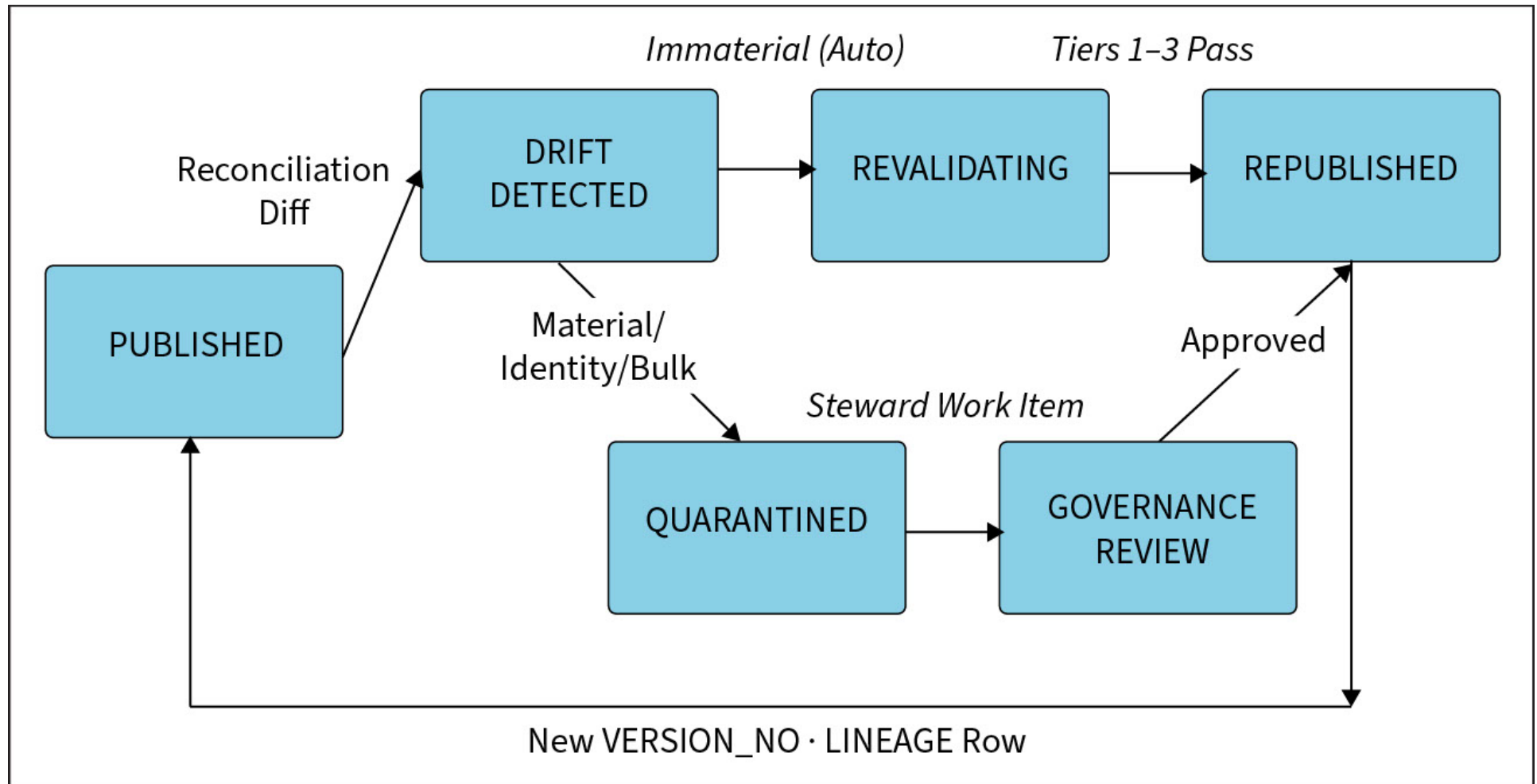


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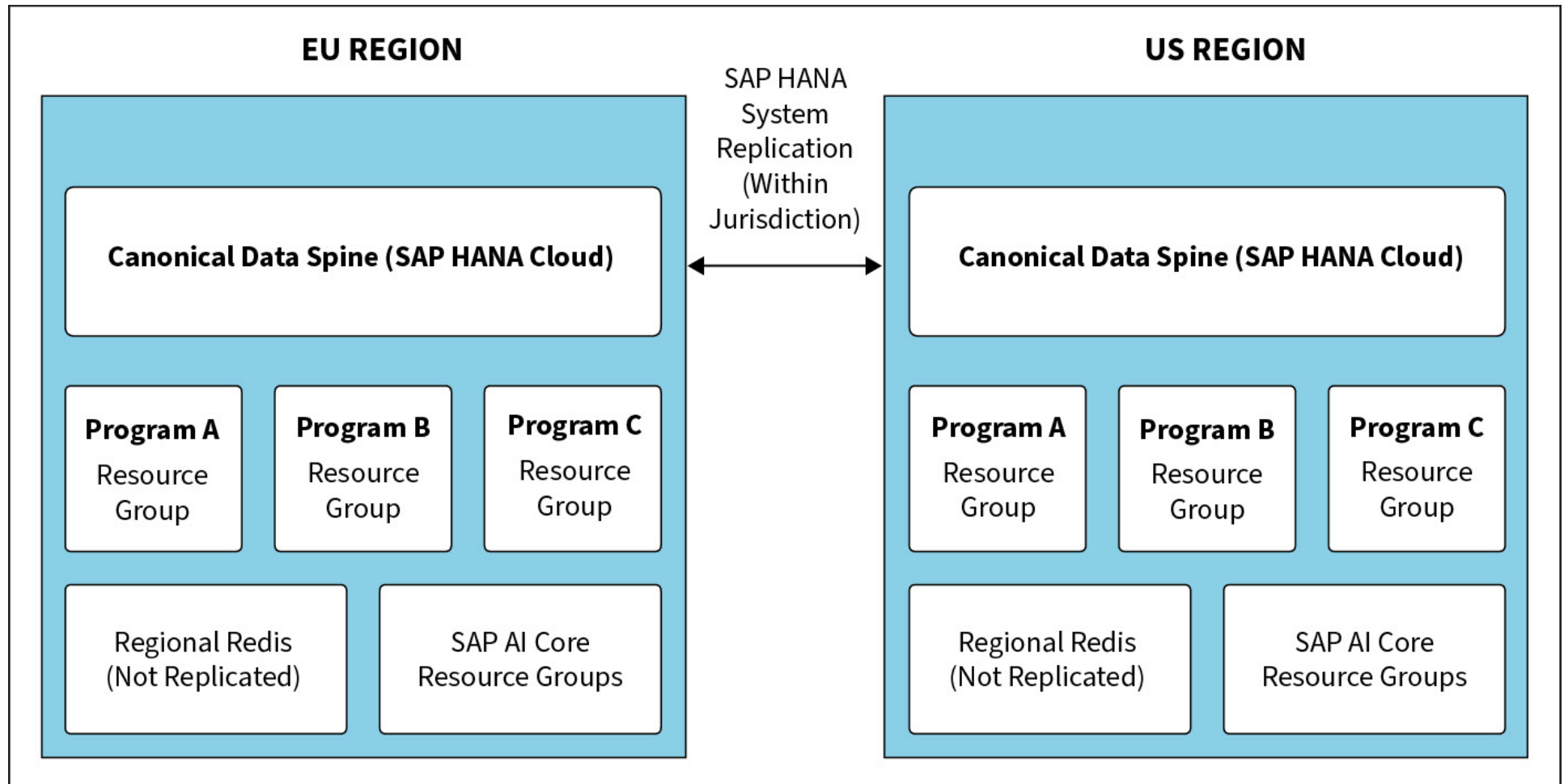


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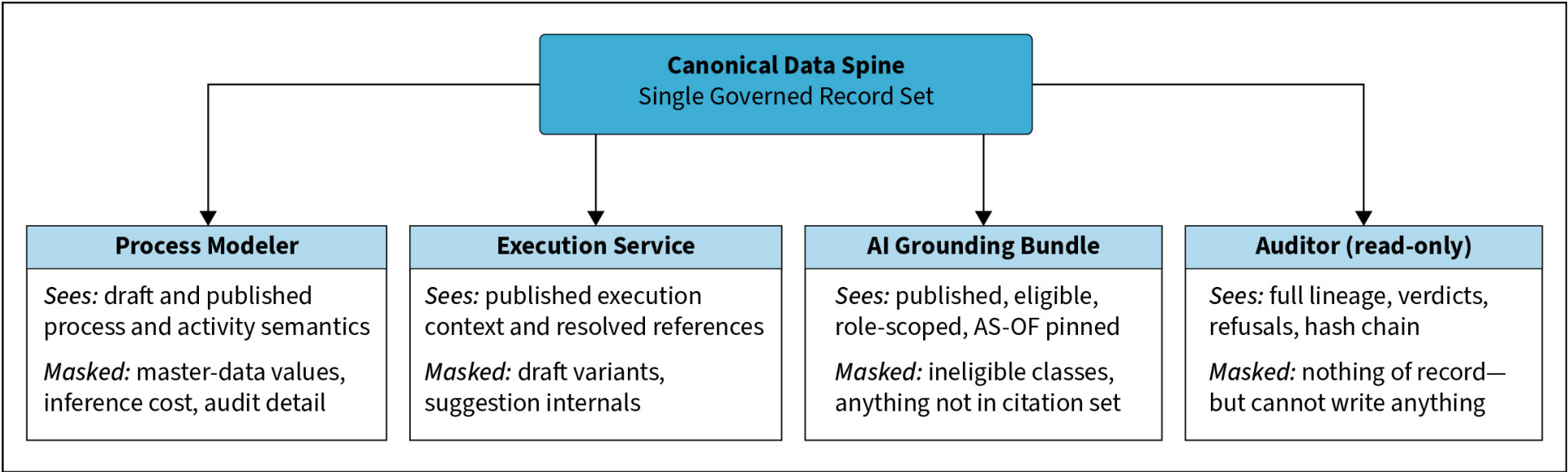


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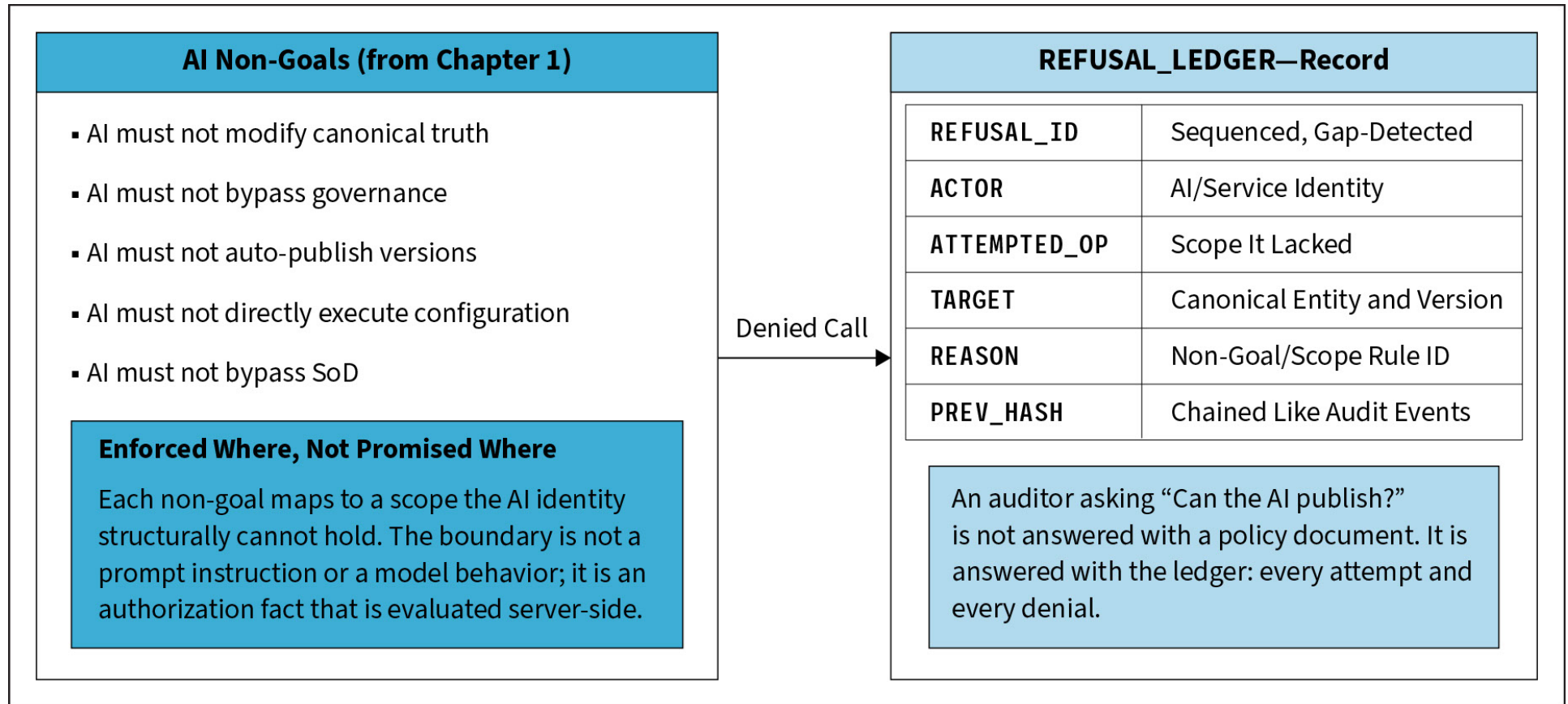


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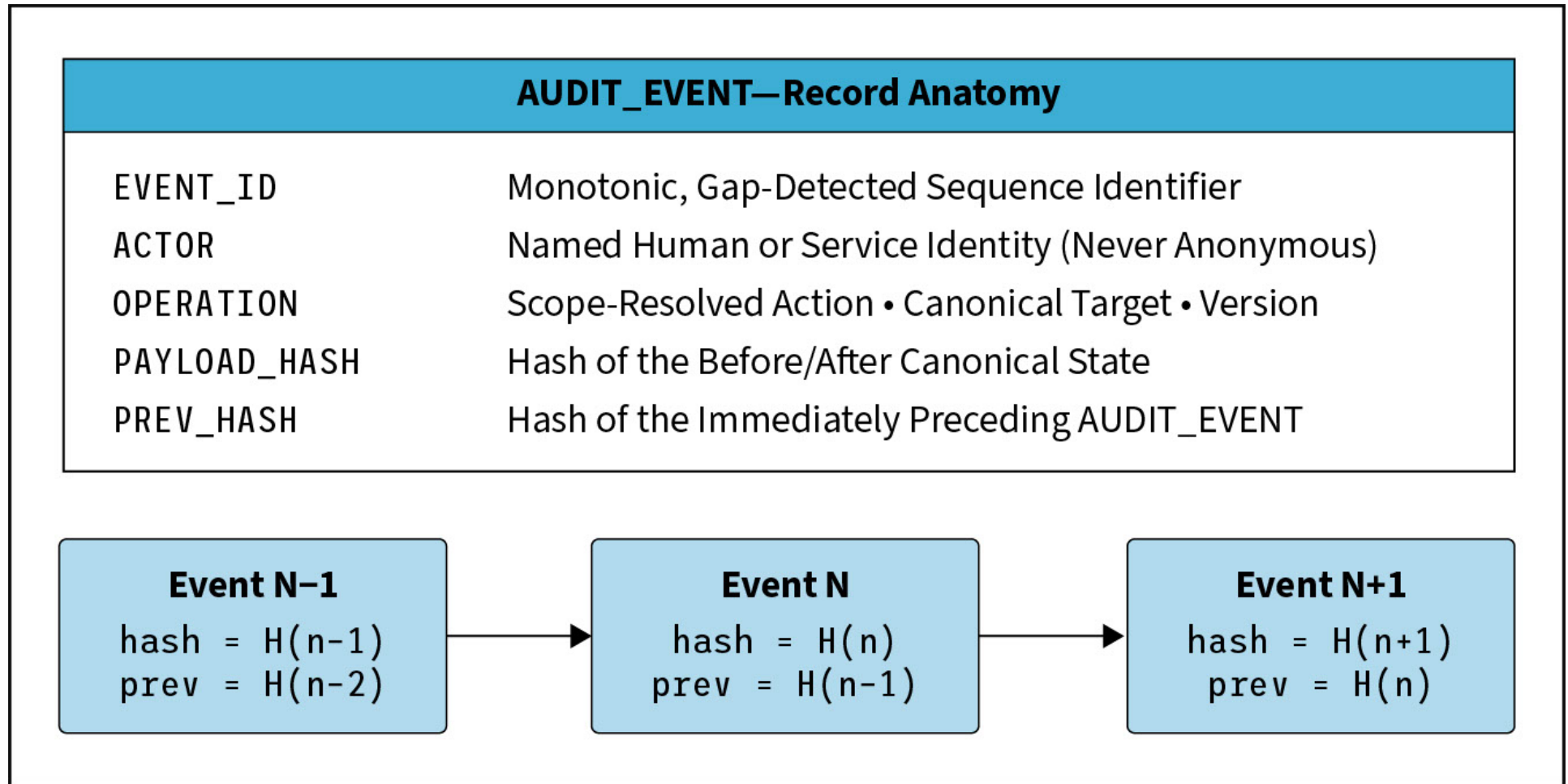


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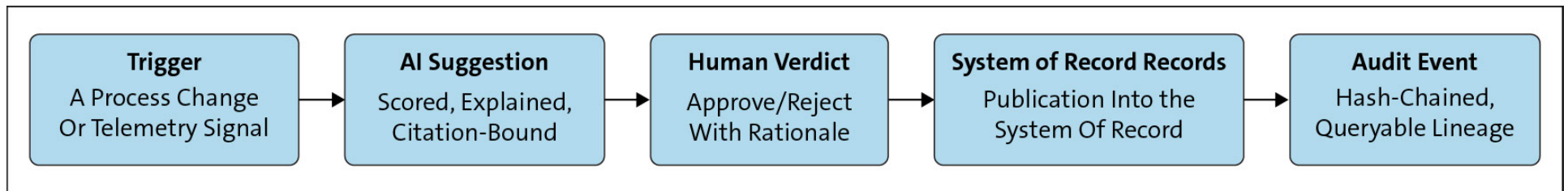


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