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People, Things and Business*

SAP Integration Suite: shape your organization's future strategy for integration

Presenter



Artur Latifov
Integration
Architect
artur@s5con.no

Agenda

- Introduction
- Gartner about SAP Integration Platform
- Integration Suite capabilities
- PI\PO and future of SAP Integration Platform
- Which actions to take now?
- Real-project example
- Demo
- QA

S5 Consulting

- **21 Consultants**
 - 3 offices in 2 countries – HQ in Lysaker, offices in Stavanger and Poland (Wrocław)
- **S5 Community**
 - Consulting partners within HCM, Analytics, Basis, Hosting and development
 - 80+ local resources in Nordics
- **Partnerships**

SAP® Recognized Expertise
User Experience



Recognition by Gartner

- **Gartner names SAP a Leader** in Magic Quadrant for Enterprise Integration Platform as a Service:
 - Comprehensive integration solution
 - High Customer reviews
 - 55% SAP's growth in EIPaaS market = SAP's commitment

Figure 1. Magic Quadrant for Enterprise Integration Platform as a Service



Recognition by Gartner

- **SAP Integration Suite** has been recognized as **the Customers' Choice** in Gartner's Peer Insights "Voice of the Customer".



Advantages of Integration Suite

- Out-of-the-box, pre-built integration to speed up implementation process (including S4Hana implementation projects)
- Rich set of connectors, including Open and non-SAP connectors
- Hybrid Integration platform with holistic approach (for cloud and on-premise, data, API, event-driven, A2A\B2B\B2G scenarios)
- AI-driven integration which reduces efforts by 60% (with Integration Advisor). Low-code platform for developers (easy learning curve)

1

OUT-OF-THE-BOX
INTEGRATION



2

OPEN
INTEGRATION



3

HOLISTIC
INTEGRATION



4

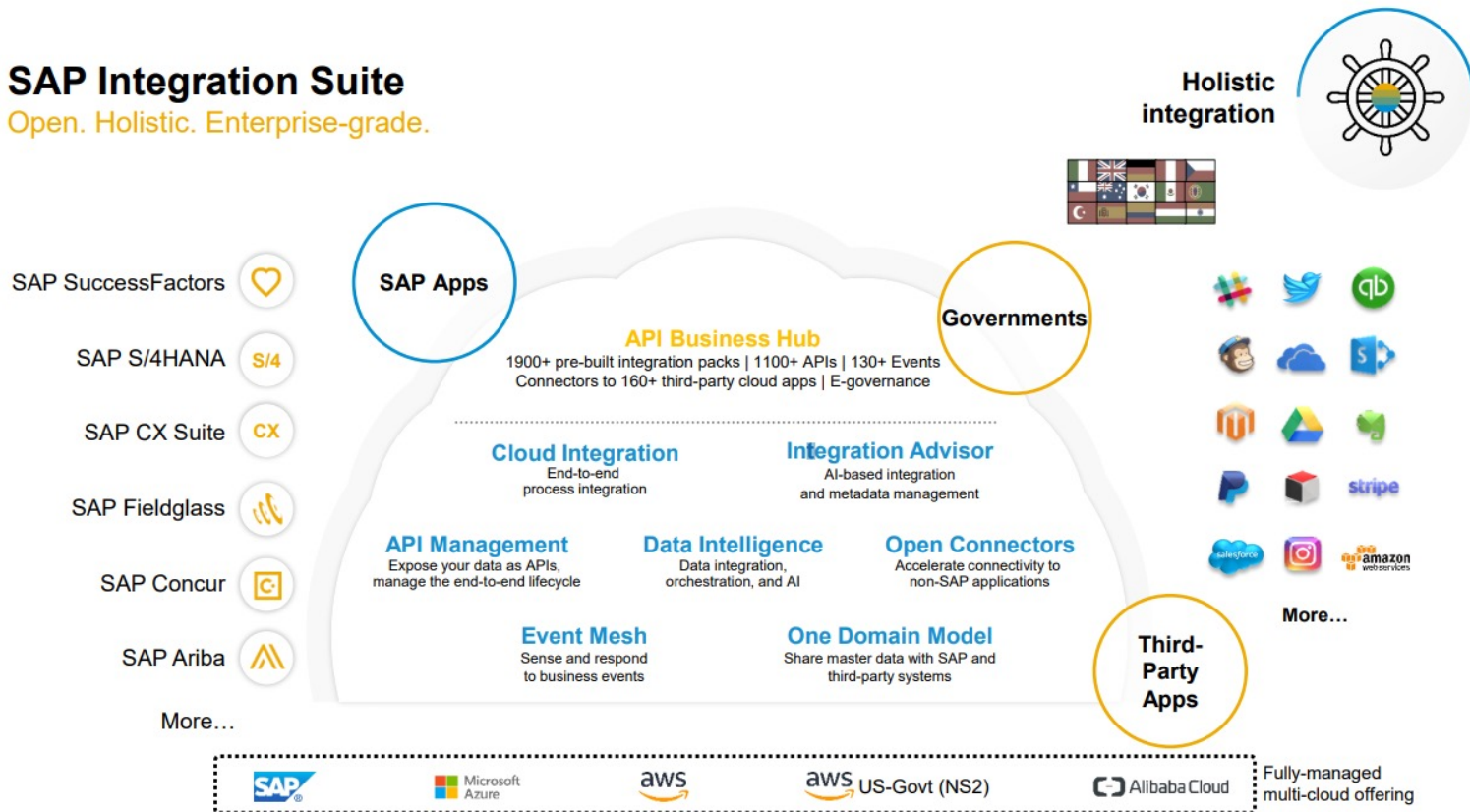
AI DRIVEN
INTEGRATION



Integration Suite capabilities

SAP Integration Suite

Open. Holistic. Enterprise-grade.



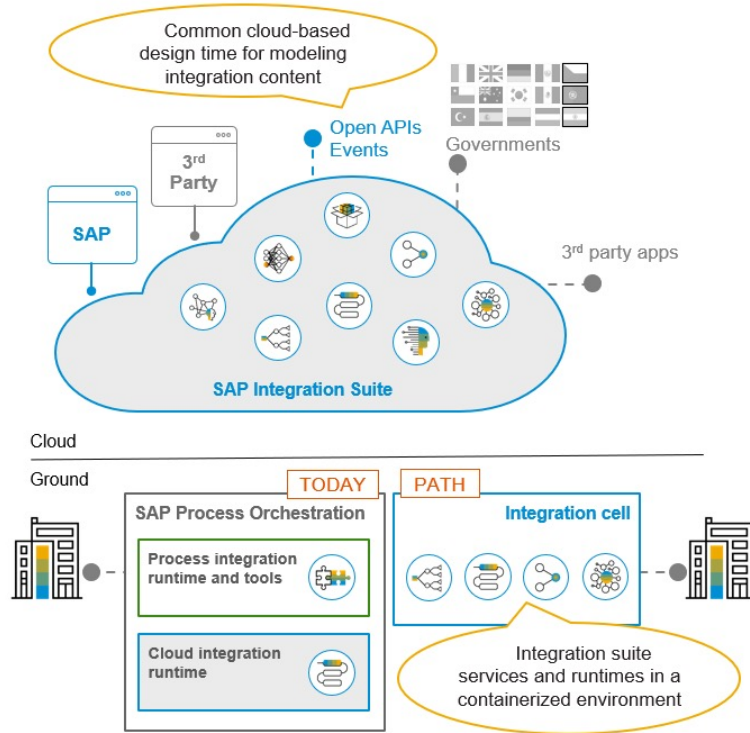
Integration Suite capabilities

- API Business Hub – contains ~2000 out-of-the-box, pre-built integrations. SAP-to-SAP messages are free
- Integration Advisor – cloud service for building B2B interfaces. B2B library includes such standards as UN/EDIFACT, IDOCs, ASC X12)
- Cloud integration – for developing Process Integration scenarios
- API Management – full lifecycle management of APIs (traffic management, security policies, analytics & monetization)
- Open Connectors – more than 170 connectors to ADP, Adobe, Twitter, Google, ServiceNow, etc
- Data Intelligence – data management solution (data integration, governance and processing)
- Event Mesh – cloud-based event and messaging service for asynchronous communication. Fire and forget principle

Future of SAP's integration platform

- SAP Enterprise integration Platform as a Service (Integration Suite) is the future:
 - Logical successor of PI\PO. Standard maintenance of PI 7.5 will be available until 2027, Extended maintenance - until 2030
 - New development and innovations are in Integration Suite and not in PI\PO
 - Integration Suite is better suited for cloud and hybrid integrations, it has Open connectors, out-of-the-box integrations
 - Low-code approach in Integration Suite in comparison with PI\PO. Learning curve for Integration Suite is shorter than for PI\PO

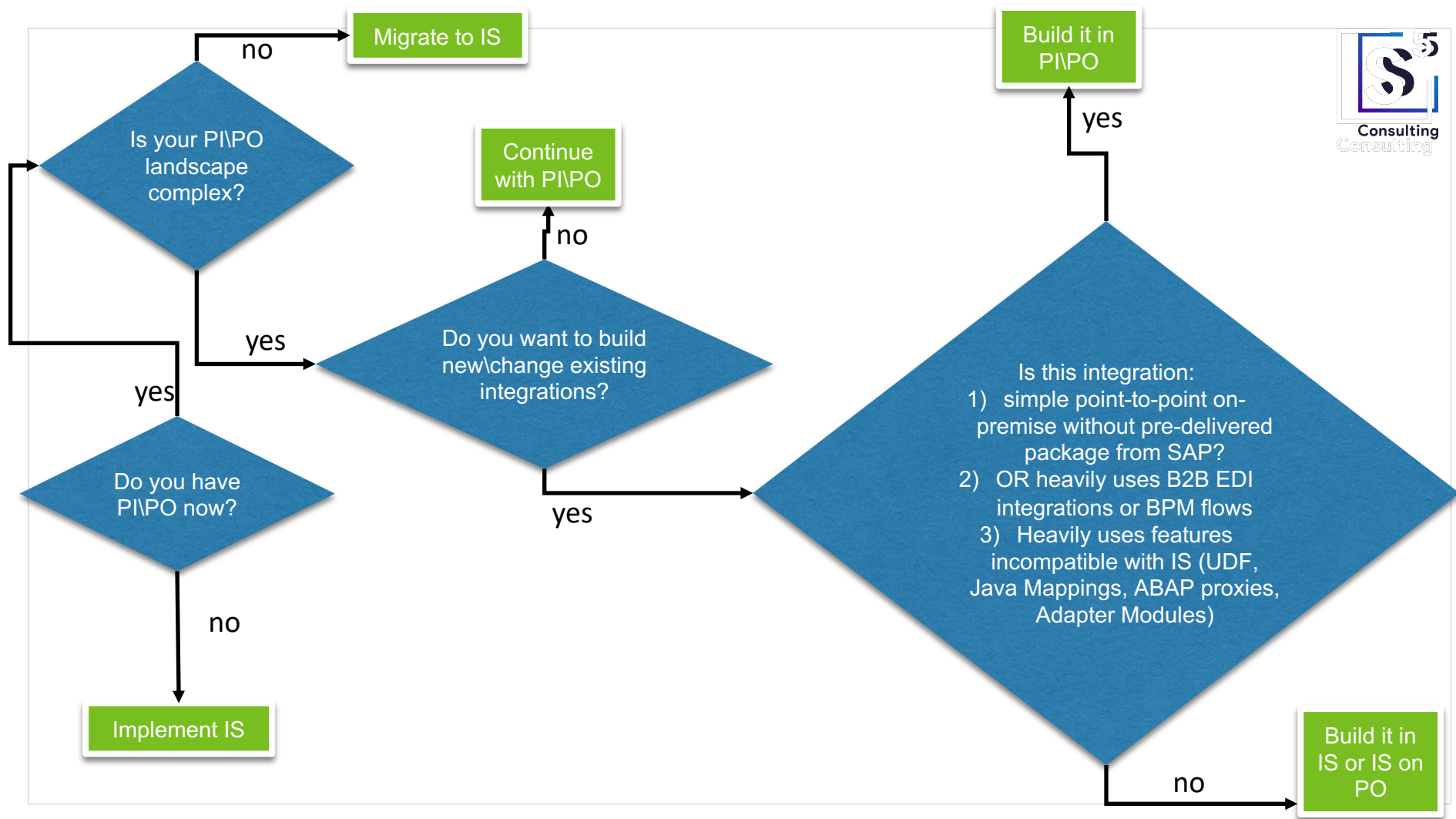
Future of SAP's integration platform



- Integration cell – on-premise runtime, will use container technology such as Docker
- Integration Suite in Cloud - design time

Actions to take

Nr	Action	Description
1	Upgrade to NetWeaver 7.5	To avoid using platform which is no longer maintained. So that they continue using existing integrations.
1.1	Move dual-stack to Java based single-stack AEX or to Process Orchestration	To get better performance, lower TCO. Dual-usage PI will be still available for customers who do not want to upgrade, but all new features will be in PO. Move from double to single stack cannot be done as upgrade only as migrate. Can be deployed on-premise, in customer-managed cloud, in HEC
2	Build new integrations in Integration Suite	If integrations need to be changed or created from scratch – create them in Integration Suite. For cloud-to-cloud and ground-to-cloud scenarios. For ground-to-ground import Integration Suite content into PI\PO.
3	Move existing scenarios into Integration Suite	Cloud and Hybrid Integration scenarios should be moved into Integration Suite Stateless messages can be still kept in PI\PO runtime, but stateful messages should be moved to CPI runtime of PI\PO. Imported Integration Suite content can be easily moved afterwards from PI\PO into Integration Suite. Mappings and Service interfaces can be moved already now.
	Future	Integration Suite will be product of choice and will be deployed in on-premise for runtime, design will be still in cloud.



Customers' challenges

	Challenge	Answer
1	Unwillingness to run 2 integration platforms at the same time	Complete move to Integration Suite can be done now -> only Integration Suite will be in use
		There will be only 1 runtime platform – PI\PO, Integration Suite will be used as a development tool (such as Eclipse f.ex.)
2	Lack of Integration Suite competence among PI\PO experts	Integration Suite is much easier to learn in comparison with PI\PO
		Most complex technologies and time-consuming tasks from PI\PO can be reused in Integration Suite such as: • Message Mapping • XSLT mapping • Service Interfaces • In addition to it WSDLs, some Operation Mappings can be moved
3	PI\PO is more stable and has more functionality. It is better to use PI\PO than “fresh” Integration Suite	This was probably true 3 years ago, but not now. Integration Suite has a lot of functionality
		Avoid additional migrations in future Do not make old platform more complex and heavier

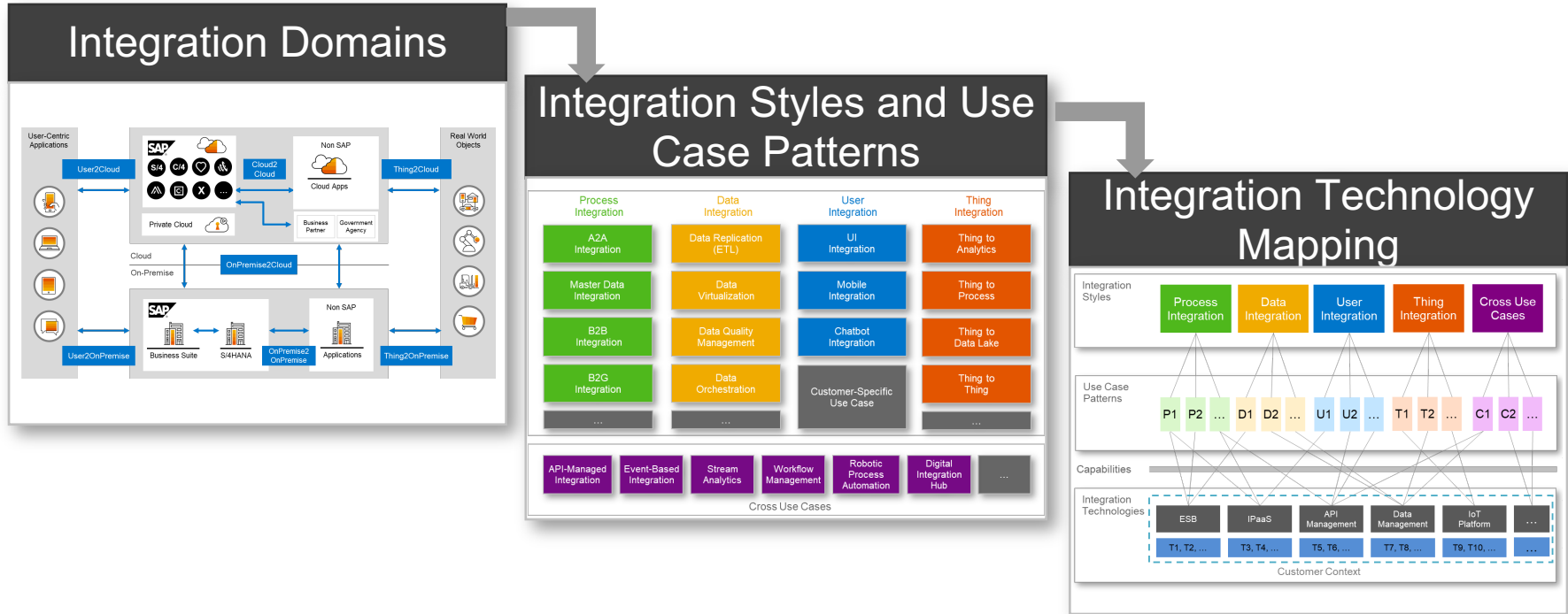
Real project example:

Integration between Custom Asset Management Cloud Solution and SAP Asset Intelligence Network



SAP Integration Solution Advisory Methodology

Simplify Integration by a Systematic Integration Approach

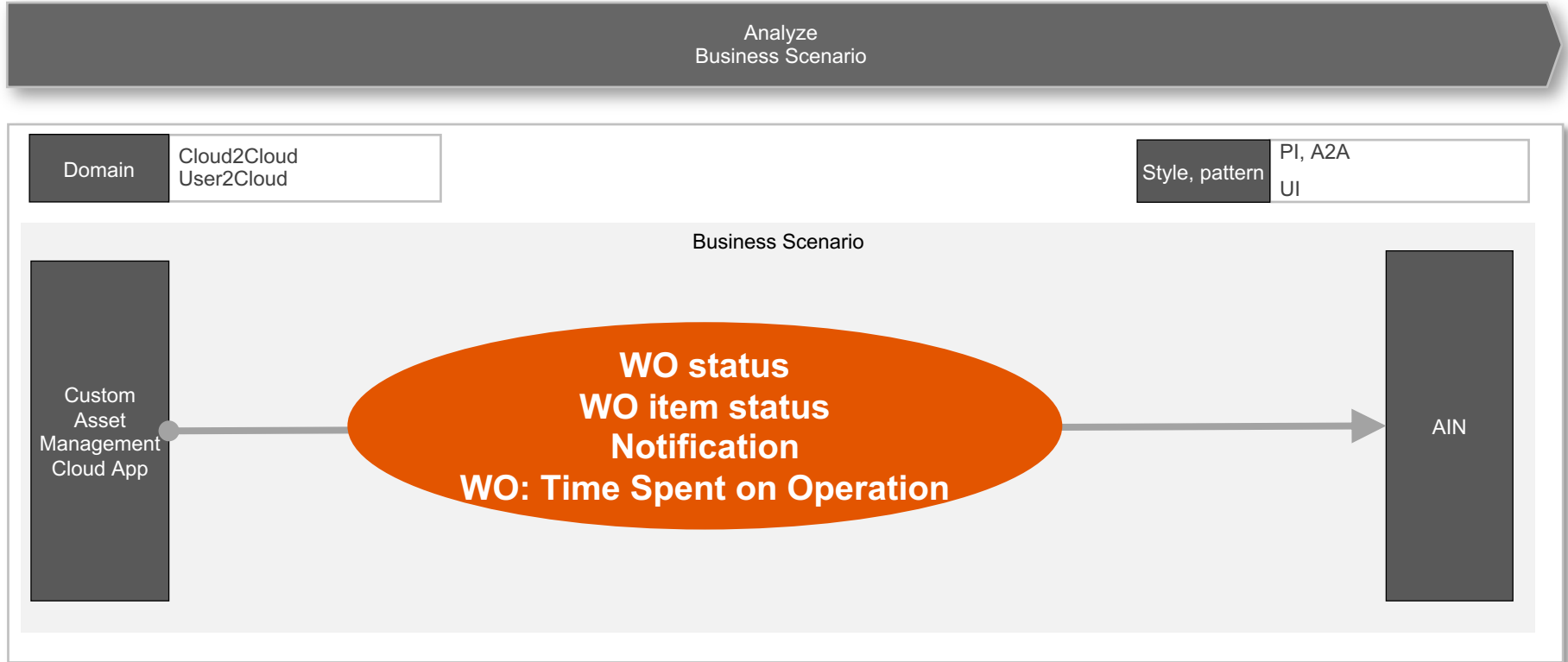


Explanation

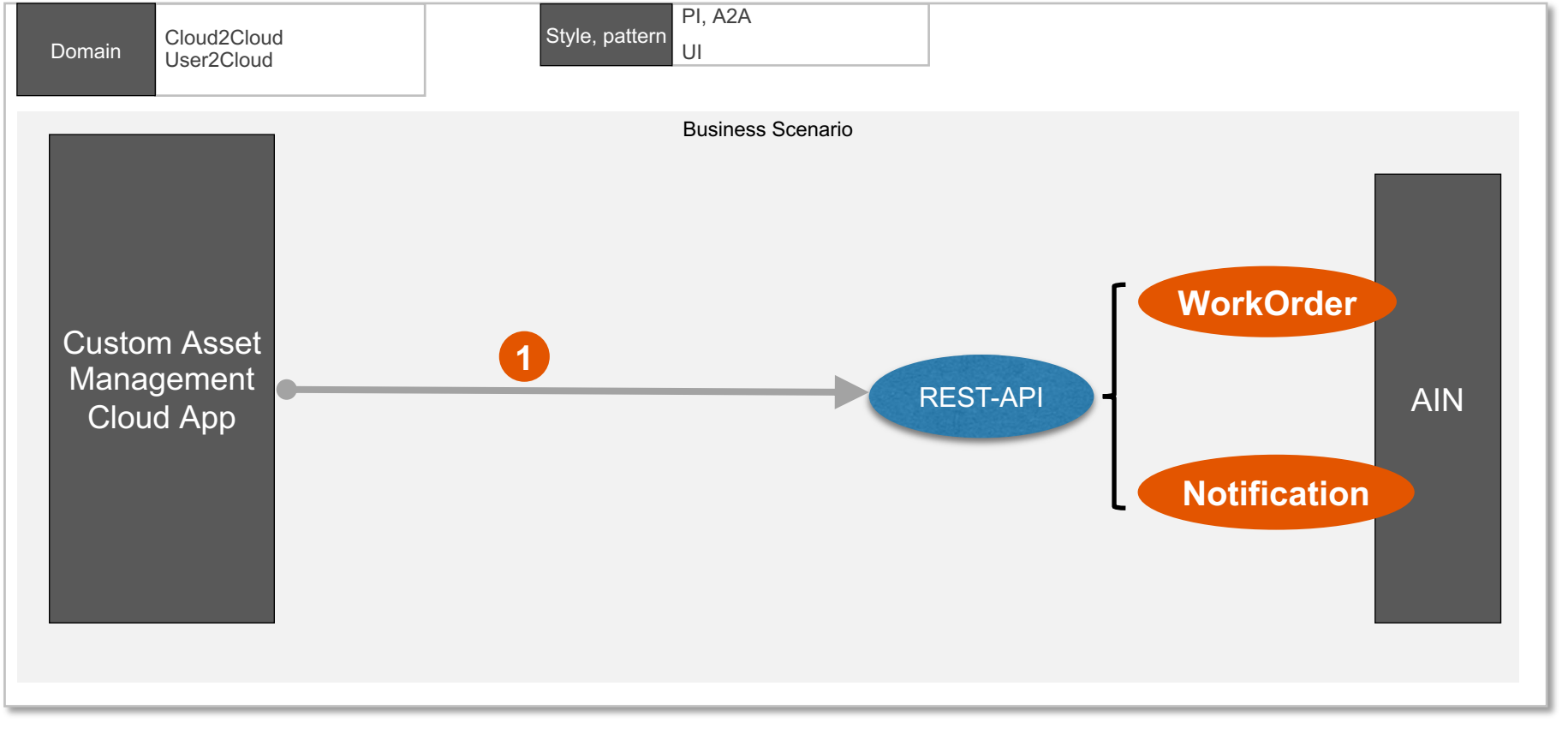
Integration domains describe typical areas in a hybrid landscape where integration is needed. Integration styles and use case patterns comprise a set of typical, technology-agnostic integration use cases. Finally, integration styles and use cases can be mapped to integration technologies/services based on a given customer context.

To-be business scenarios: Interface Assessment

Interface: Custom Asset Management Cloud App->SAP Asset Intelligence Network (AIN)



Technical interfaces



To-be technical architecture: Custom Asset Management Cloud App - AIN integrations

A2A Integration User2Cloud

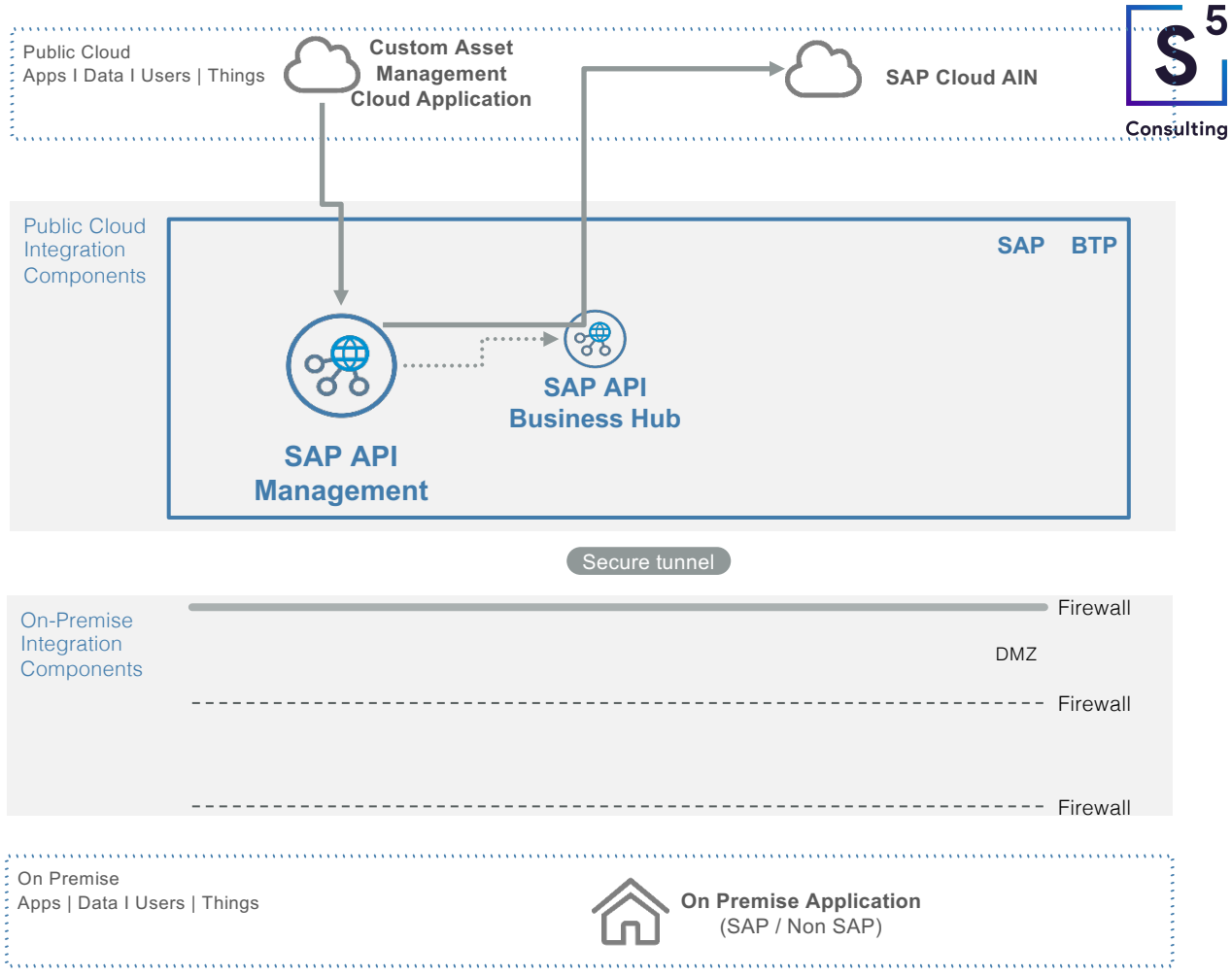
Characteristics | Selection Criteria

- Cloud Traffic
- Pre-Packaged Content
- Quality of Service: Best effort, exactly once

Components

- SAP Standard APIs from SAP API Business Hub
- API Management

Disclaimer: this slide shows an illustrative example that needs to be adapted to the specific customer context and requirements. It serves as a starting point for customers to model their hybrid integration use cases.



¹Or reverse proxy (see [decision tree](#)).

To-be technical architecture: Custom Asset Management Cloud App - AIN integrations

A2A Integration Cloud to Cloud

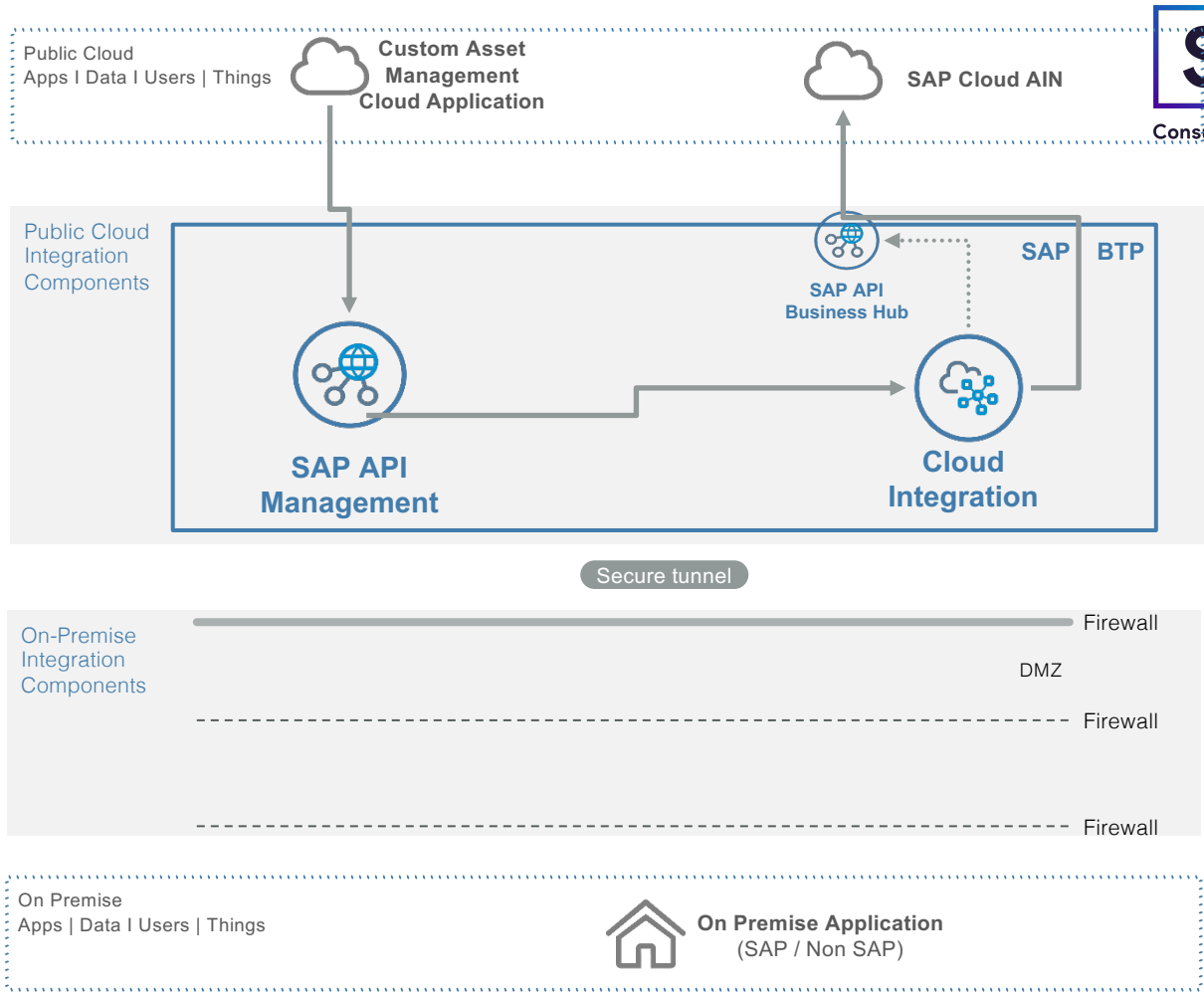
Characteristics | Selection Criteria

- Cloud Traffic
- Unaligned APIs
- Pre-Packaged Content
- Structure Mapping
- Value Mapping
- Routing
- Splitting / Aggregation
- Protocol Mediation
- Techn. Exception Handling
- Quality of Service: Best effort, exactly once

Components

- SAP Standard APIs from SAP API Business Hub
- Cloud Integration – SAP middleware in cloud for design, runtime, monitor of integrations
- API Management

Disclaimer: this slide shows an illustrative example that needs to be adapted to the specific customer context and requirements. It serves as a starting point for customers to model their hybrid integration use cases.



¹Or reverse proxy (see [decision tree](#)).

Demo

Useful links

- [API Business Hub](#)
- [Roadmaps](#)
- [SAP Integration Architecture Guide](#)
- [SAP note 2428801. Cloud integration content in SAP Process Orchestration \(PI\)](#)
- [SAP note 2195773. Cloud Integration Content in SAP Process Orchestration 7.50 - Known Constraints](#)

Q&A



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