

Unit 2 – Introducing iPaaS

Developing with SAP Integration Suite

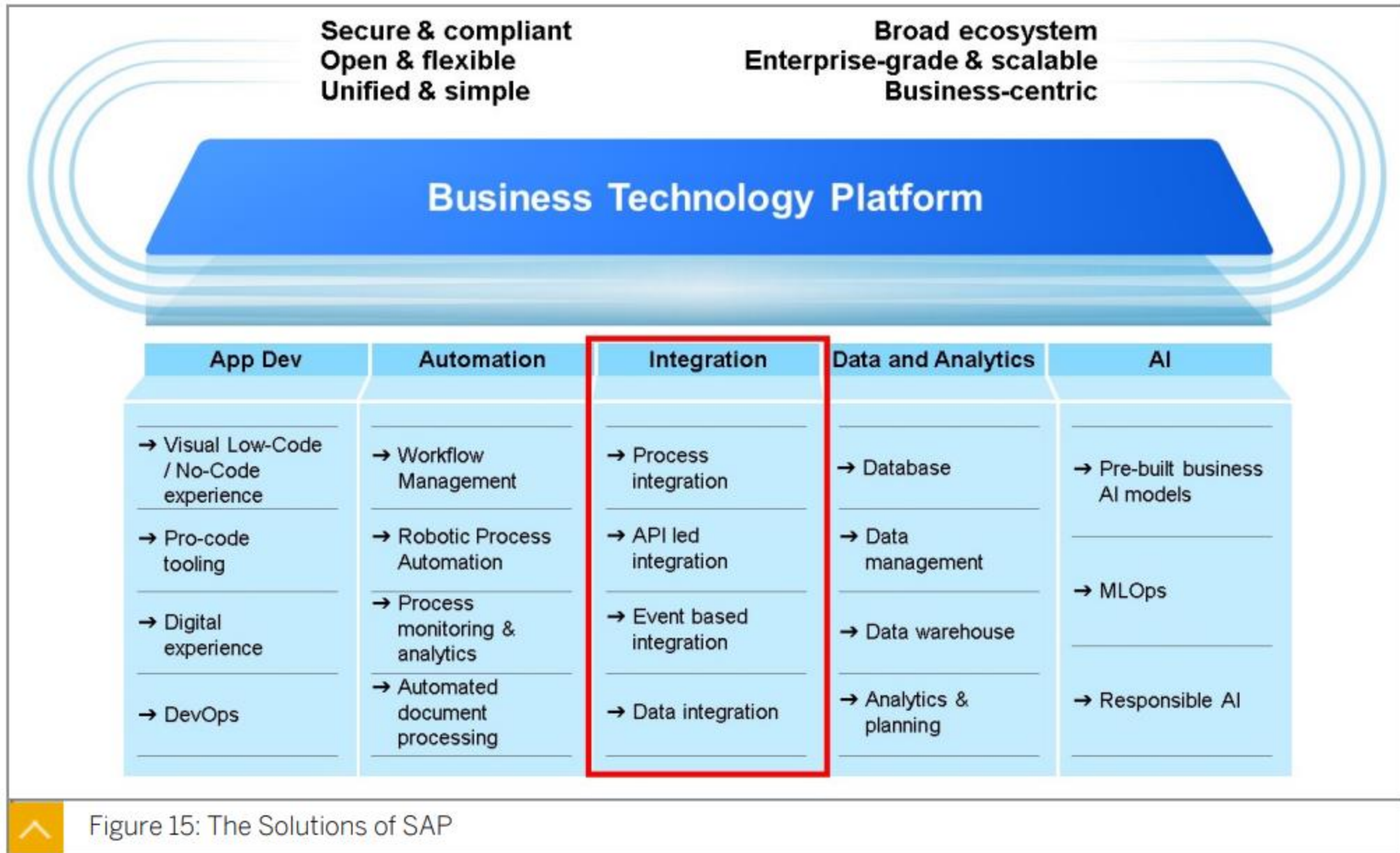
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Agenda

- Integration strategy of SAP
- SAP Integration Solution Advisory Methodology (ISA – M)
- Positioning Integration Suite
- Introduction to API Management
- Key summary points

Integration Strategy (4 principles)

- Predefined integration
 - Prebuilt integrations in SAP Business Accelerator Hub
- Open integration
 - Integration to SAP software, partner software and 3rd party software
 - Open Connectors
- Holistic integration
 - Covers most flavors of cloud and hybrid integration
- AI driven integration
 - AI techniques for integration scenarios
 - Integration Advisor



Integration Solution Advisory Methodology (ISA-M)

- Template in PowerPoint based on all the integration knowledge at SAP
- Aimed at Integration Architects
- Existing integration solutions can be documented
- New integration requirements can be determined and mapped to specific services

Simplify Integration by a Systematic Integration Approach





1	2	3	4
Assess your integration Strategy	Design your Hybrid Integration Platform	Define Integration Best Practices	Enable a Practice of Empowerment
			
Document/review your integration architecture	Map use case patterns to integration technologies	Define solution architecture blueprints	Democratize integration delivery
Scoping of focus area e.g. future building blocks	Derive integration guidelines for your organization	Add decision criteria and key characteristics	Define areas for self service integration
Use-case driven approach (technology-agnostic)	Reflect customer context	Establish integration as recognized discipline	Establish a shared developer community



Figure 17: ISA-M: Four Use Cases for Enterprise Architects

Positioning Integration Suite

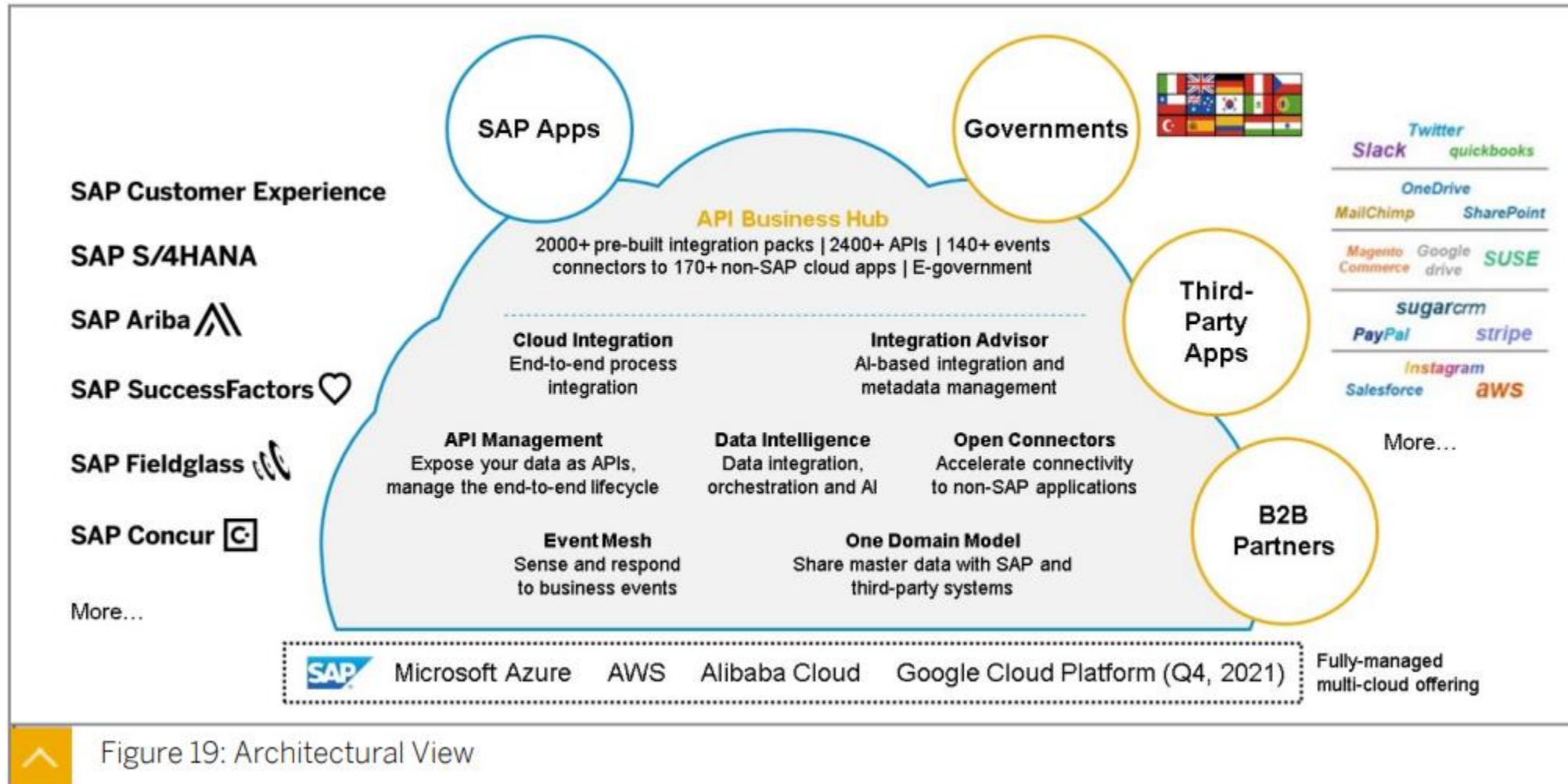
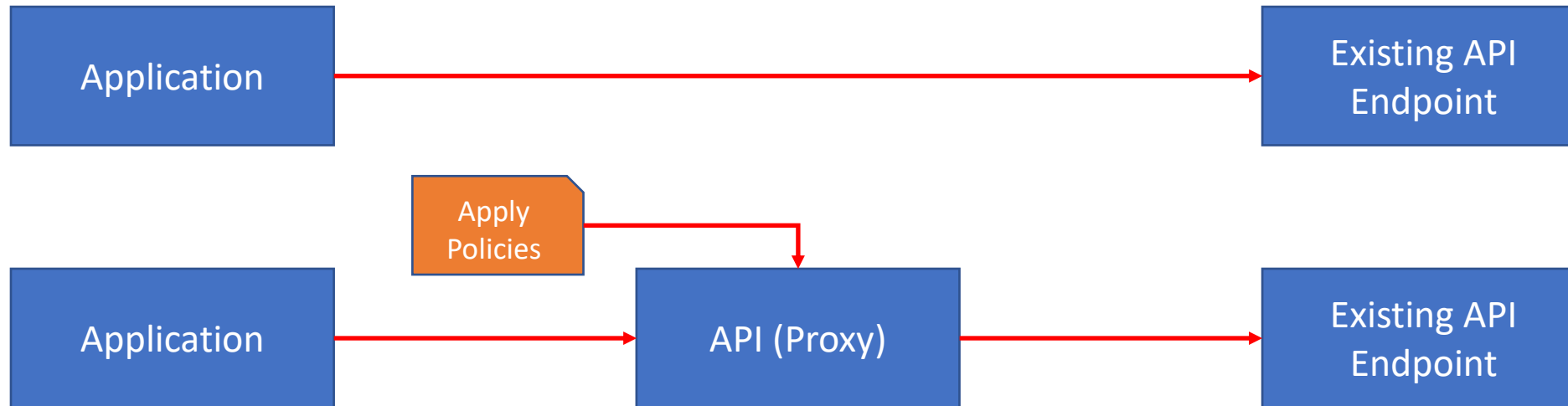


Figure 19: Architectural View

API Management (Key concept)



Why do I need this extra hop ??

Advantages:

- Consistent management rules and policies
- Token verification
- Rate limiting
- Caching
- Analytics and reporting etc.

API Management - Terminologies

- API Provider
 - Concept in API Management that defines connection details for existing services
- API (Proxy)
 - Managed facades for existing services (sits in front of the existing service)
 - Applications connect to API (proxy)
- Policies
 - Provides capabilities to define behavior of an API (proxy)
- Product
 - Bundle and publish API (proxies) as a Product for consumption
- Application
 - Consumes the Product (bundle of API proxies) using api key and secret

Key Summary Points