

Unit 2 – Introducing iPaaS

Developing with SAP Integration Suite

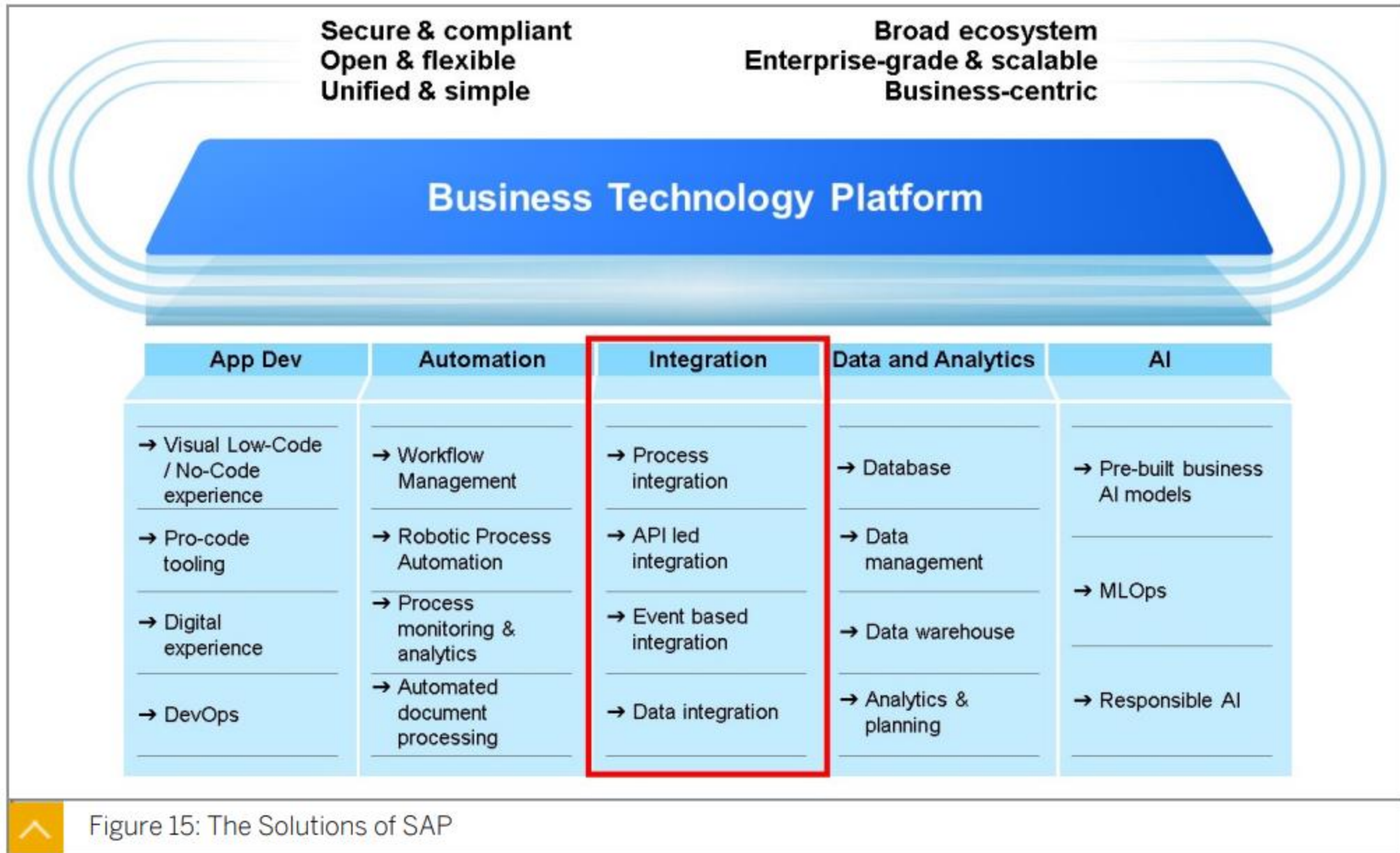
C_CPI_15

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

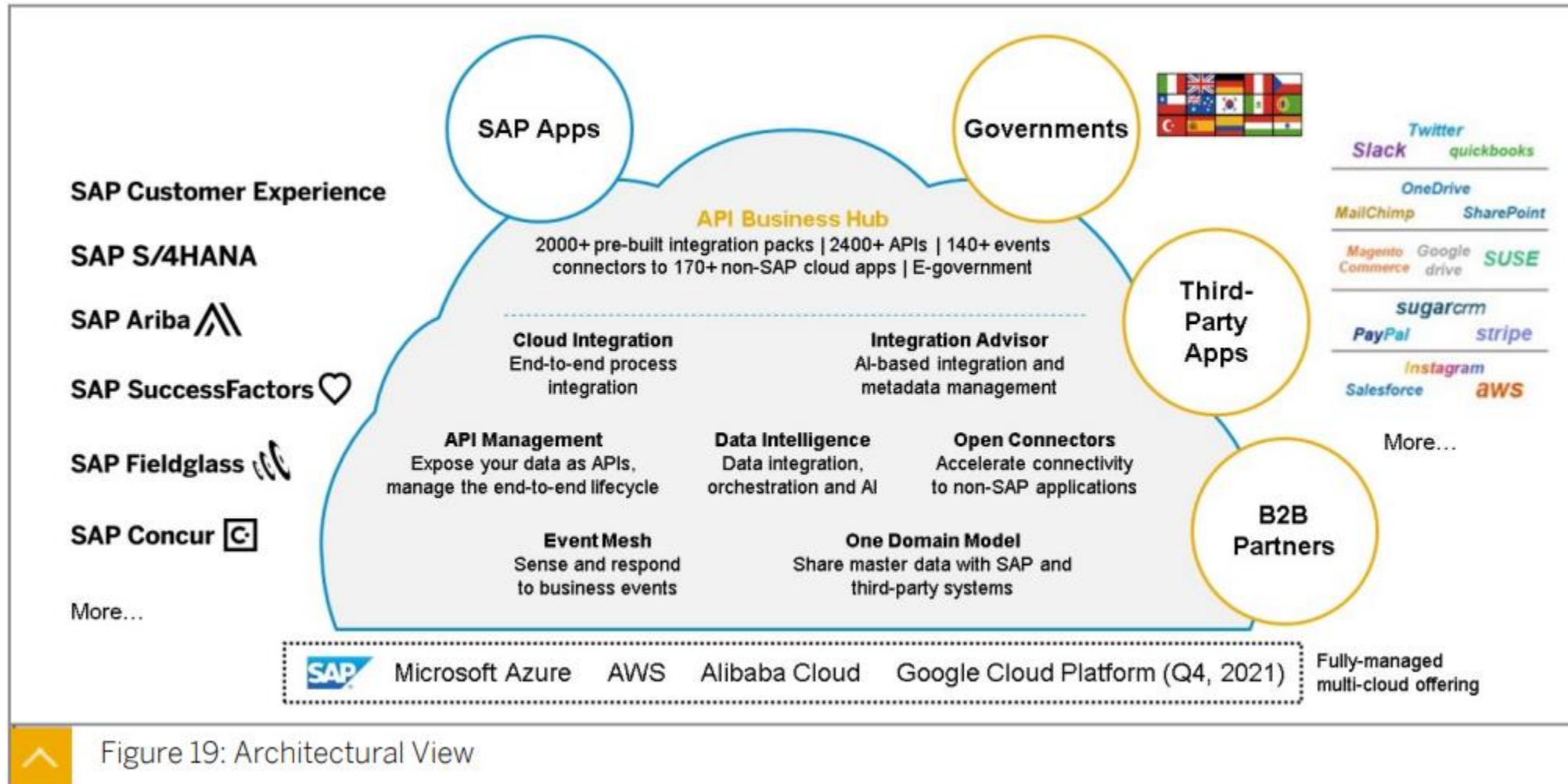
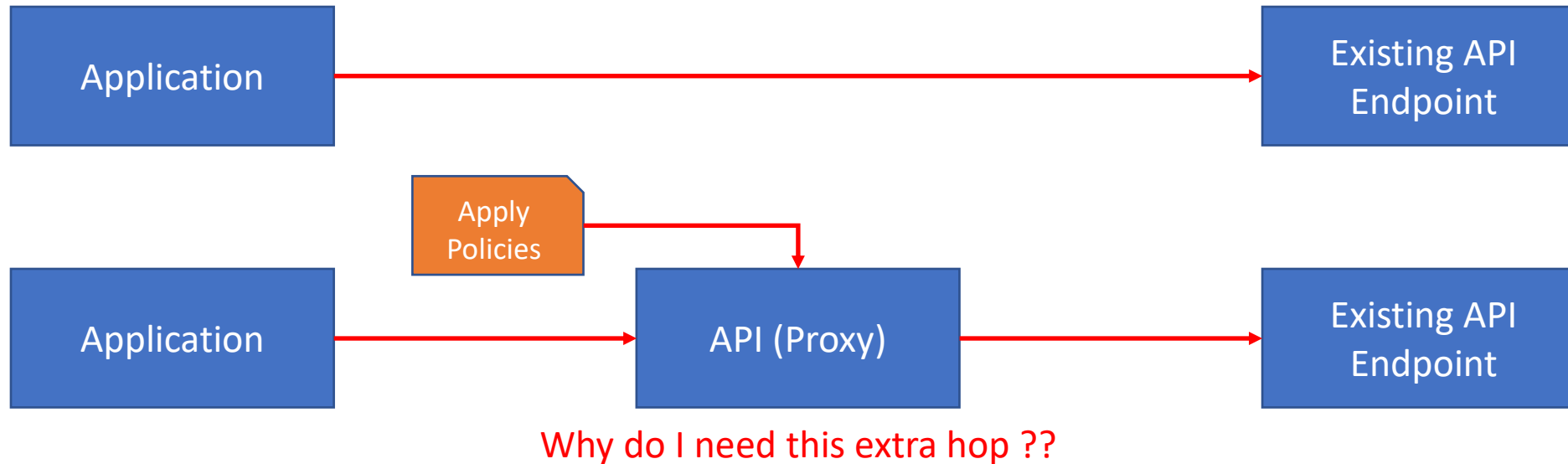


Figure 19: Architectural View

API Management (Key concept)



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 – Unit 2

SAP Integration Strategy

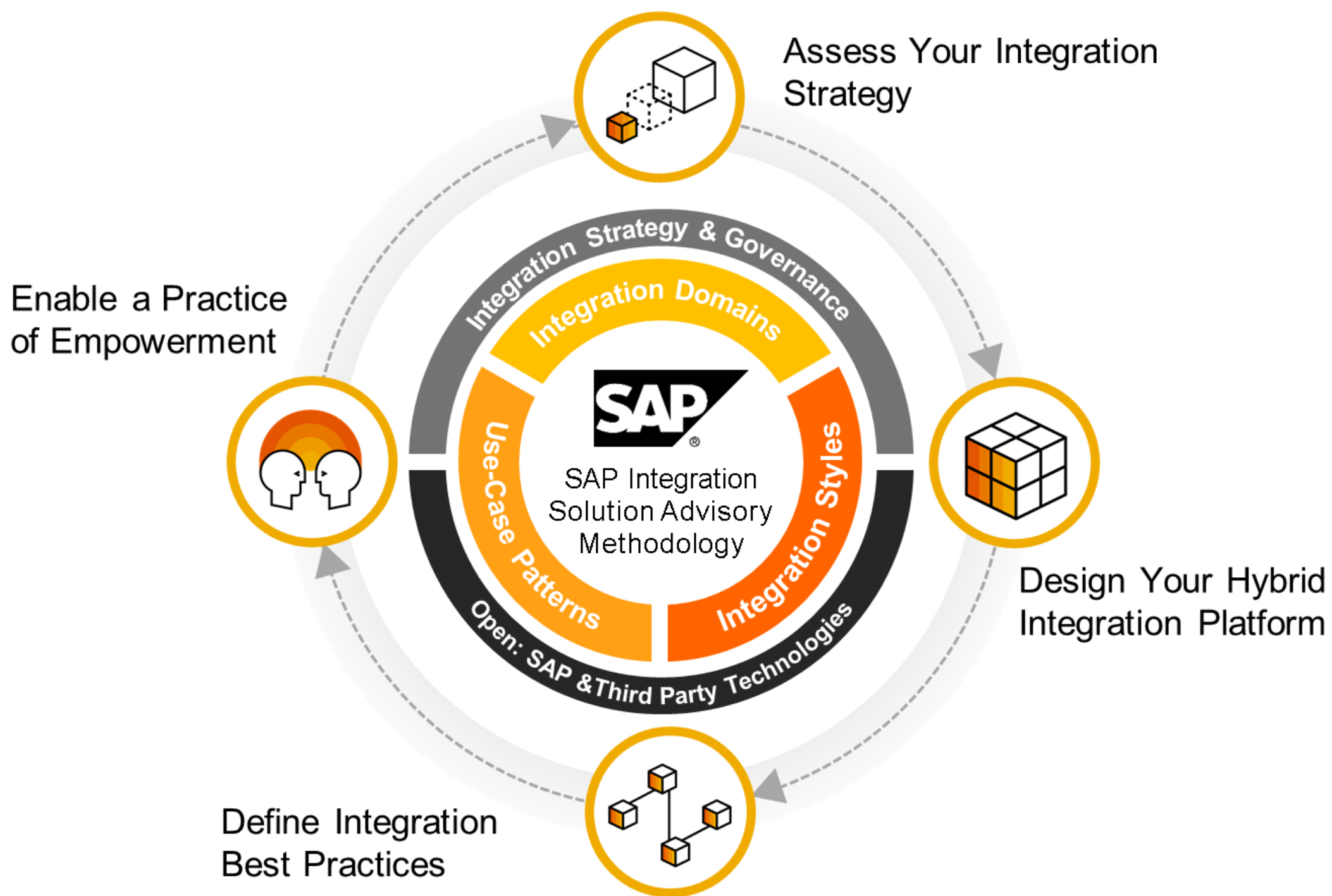
- Predefined integration
 - Prebuilt integrations in SAP Business Accelerator Hub
- Open integration
 - Integration to SAP software, partner software and 3rd party software
 - Open Connectors
- Holistic integration
 - Covers most flavors of cloud and hybrid integration
- AI driven integration
 - AI techniques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

Secure & compliant
Open & flexible
Unified & simple

Broad ecosystem
Enterprise-grade & scalable
Business-centric

Business Technology Platform

| App Dev | Automation | Integration | Data and Analytics | AI |
|---|---|--|--|---|
| <ul style="list-style-type: none">→ Visual Low-Code / No-Code experience→ Pro-code tooling→ Digital experience→ DevOps | <ul style="list-style-type: none">→ Workflow Management→ Robotic Process Automation→ Process monitoring & analytics→ Automated document processing | <ul style="list-style-type: none">→ Process integration→ API led integration→ Event based integration→ Data integration | <ul style="list-style-type: none">→ Database→ Data management→ Data warehouse→ Analytics & planning | <ul style="list-style-type: none">→ Pre-built business AI models→ MLOps→ Responsible AI |



Key Summary Points – Unit 2

The core capacities are as follows:

Cloud-Integration

Seamless integration of everything and everyone (A2A/B2B) in real time.

API-Management

Make your data and processes available as APIs. Manage the E2E lifecycle.

Integration Assessment

Tool support for ISA-M to define and execute an integration strategy for companies.

Integration Advisor

Accelerate the implementation and maintenance of B2B scenarios through machine learning.

Trading Partner Management

Accelerate onboarding and maintenance of B2B integration scenarios with trading partners.

Open Connectors

Accelerate connectivity to non-SAP applications.

Summary

One divides core capabilities, add-on capabilities, and finally add-on capabilities. The core capabilities are implemented in the Integration Suite. The most important are the API management and the cloud integration.

Key Summary Points – Unit 2

The add-on capacities are as follows:

Master Data Integration

Ensure a consistent view of master data within an integrated intelligent suite and its ecosystem.

SAP Data Intelligence

Extract, transform, and load ETL scenarios for data lakes and data warehouses.

Event Mesh

Event-based integrations with predefined events from SAP applications.

Connectivity

Establish secure connectivity between cloud applications and On-Premise systems.

SAP Graph

Unified API for accessing SAP-managed data that can be used to create new extensions and applications using SAP data.

Alert Notification

Provides a common API for providers to publish alerts and for consumers to subscribe to these alerts.

Cloud Transport Management

Management of software products between accounts in different environments by transporting them over different terms.

Internet of Things

Bring raw sensor data into the context of business objects and use the data in analytical or transactional business applications.

Key Summary Points – Unit 2

On-top capacities are as follows:

SAP Business Accelerator Hub

Jump start for integration projects with APIs, packaged integration content and adapters.

