SAP's Cloud Readiness Checklist. Are you ready for the cloud?

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About the Speakers

Andreas Hofer

- Lead Enterprise Architect
- 19 years at SAP (Developer, Consultant and EA)
- Former eCommerce developer

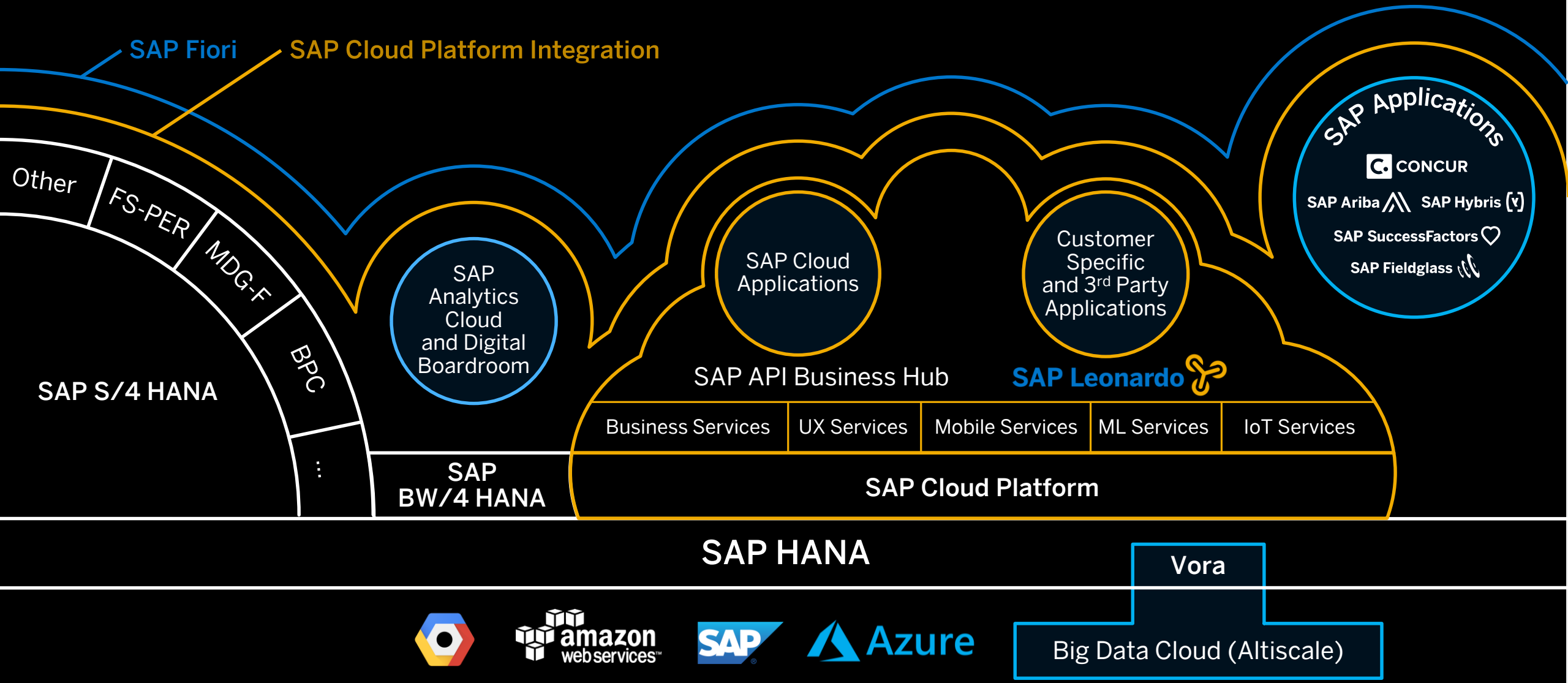
Key Outcomes/Objectives

1. Learn about SAP Cloud Reference Architectures.
2. Cloud Readiness Checklist with template examples.
3. Walk through real life customer examples for: Big Data, Procurement, HR etc.

Agenda

- SAP's Cloud Strategy
- SAP Cloud Reference Architectures
- A Cloud Readiness checklist
- Customer Case Studies

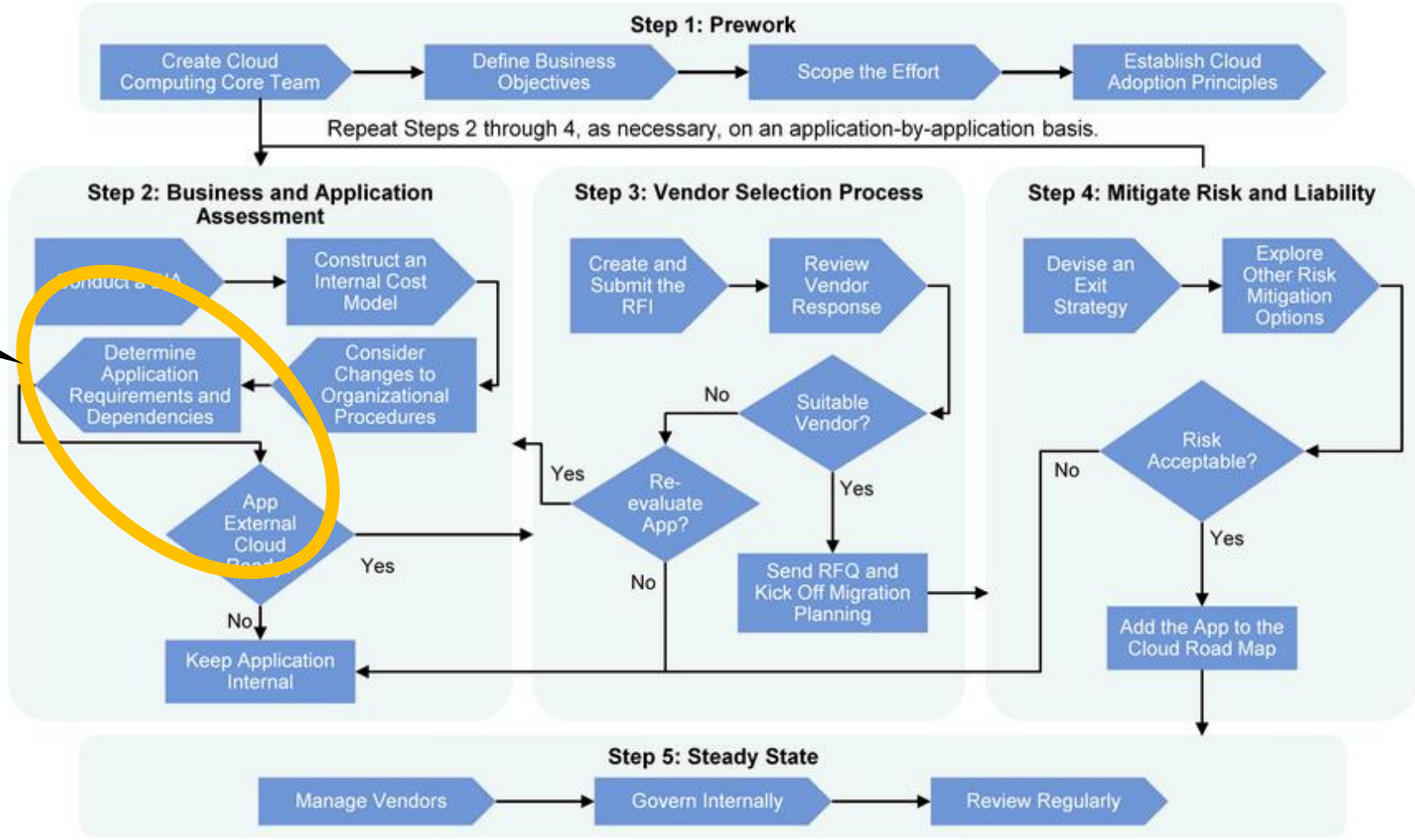
SAP Cloud Strategy and Overview



Gartner's Cloud Adoption Strategy Framework

Focus for today is:

- **Cloud and Hybrid Architecture Options**
- **Cloud Readiness Checklist.**

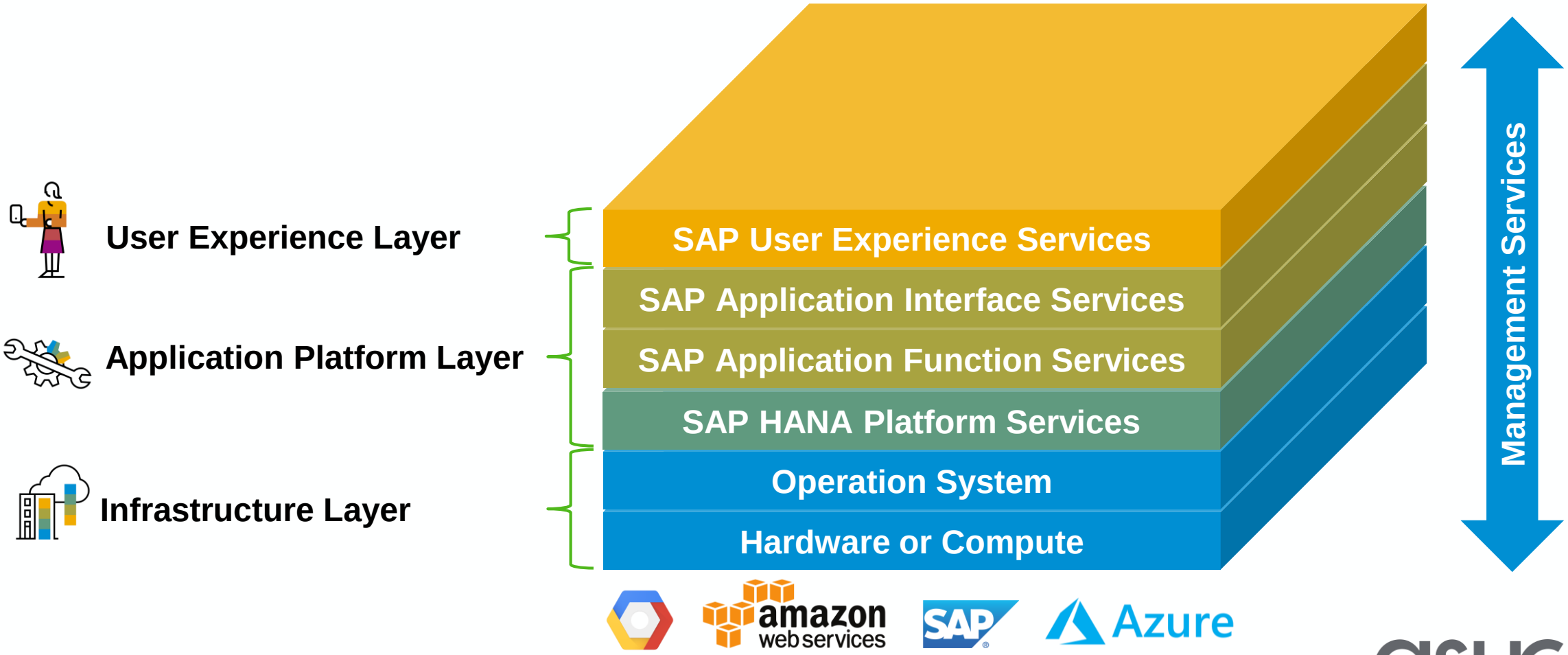


How do we define cloud?

Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., **networks, servers, storage, applications, and services**) that can be rapidly provisioned and released with minimal management effort or service provider interaction. This cloud model is composed of five essential characteristics, **three service models**, and **four deployment models**.

(The NIST Definition of Cloud Computing, September 2011.)

SAP System Architecture and the Support for Cloud



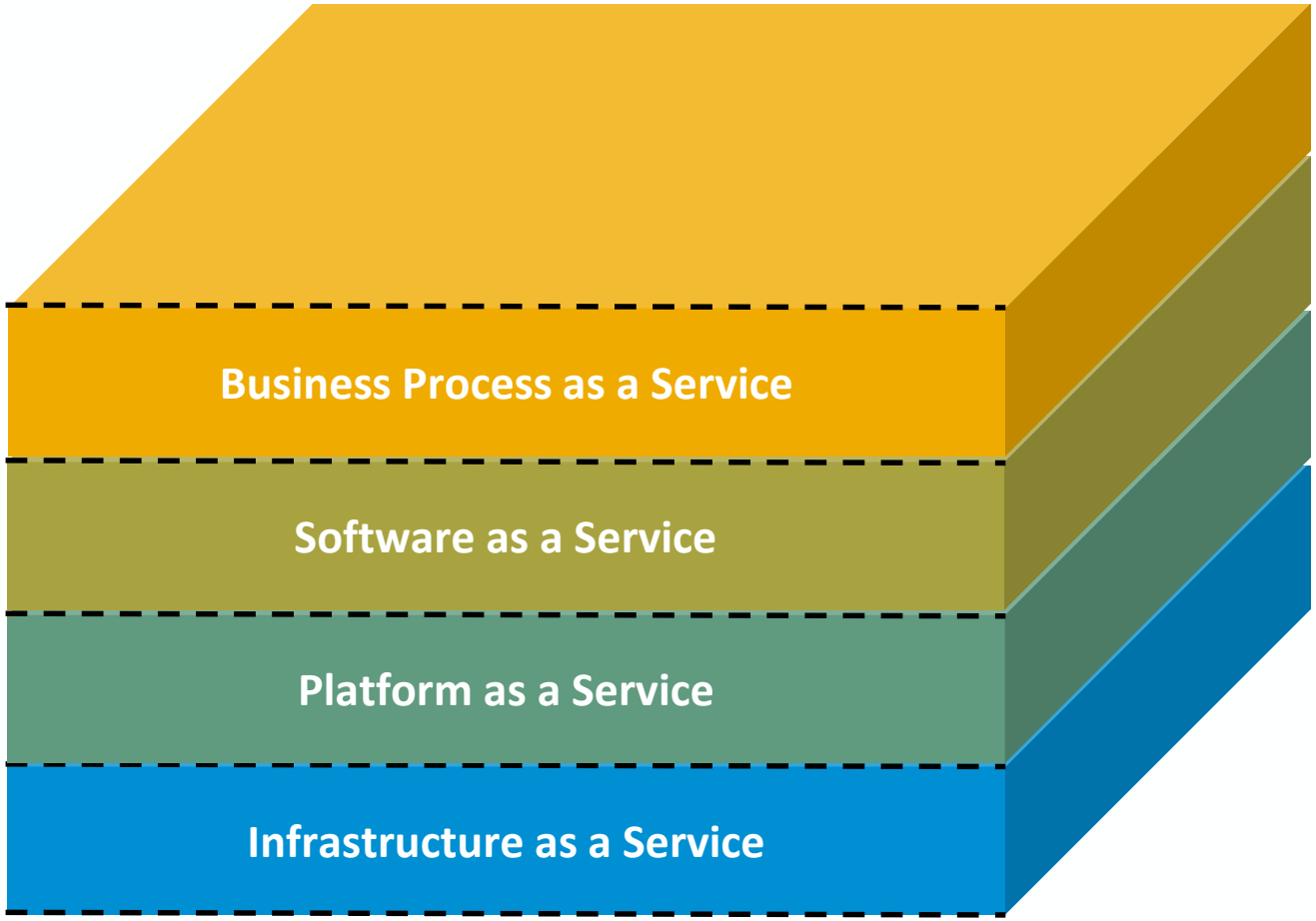
Cloud Service Models

BPO – can be in addition to SaaS, providing application management support and business process outsourcing.

SaaS – typically subscription based pricing and supporting LoB applications such as: HR, Procurement etc. .

PaaS – in addition for IaaS, provides business and technical services including Tax calculation, API management, Integration, DevOps etc.

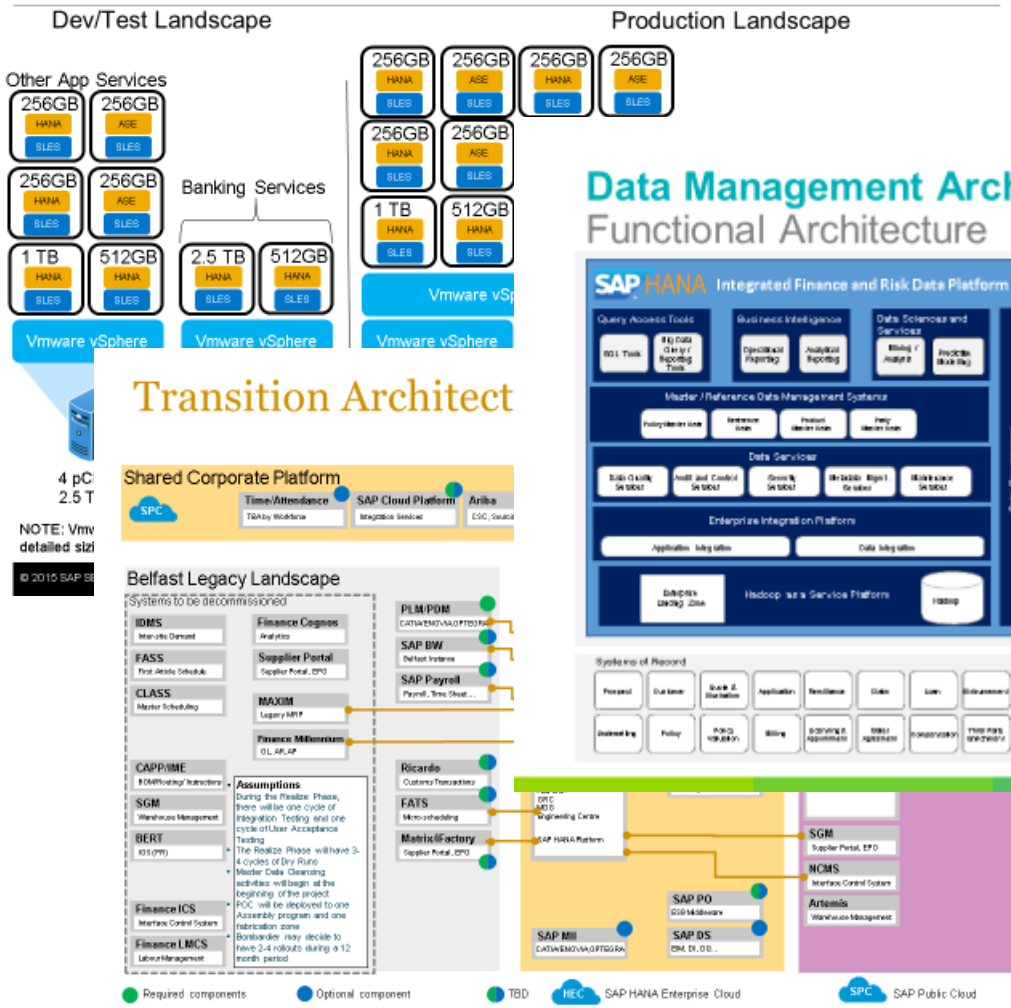
IaaS – typically includes virtualized compute for: servers, storage and networking as well as the support for these services.

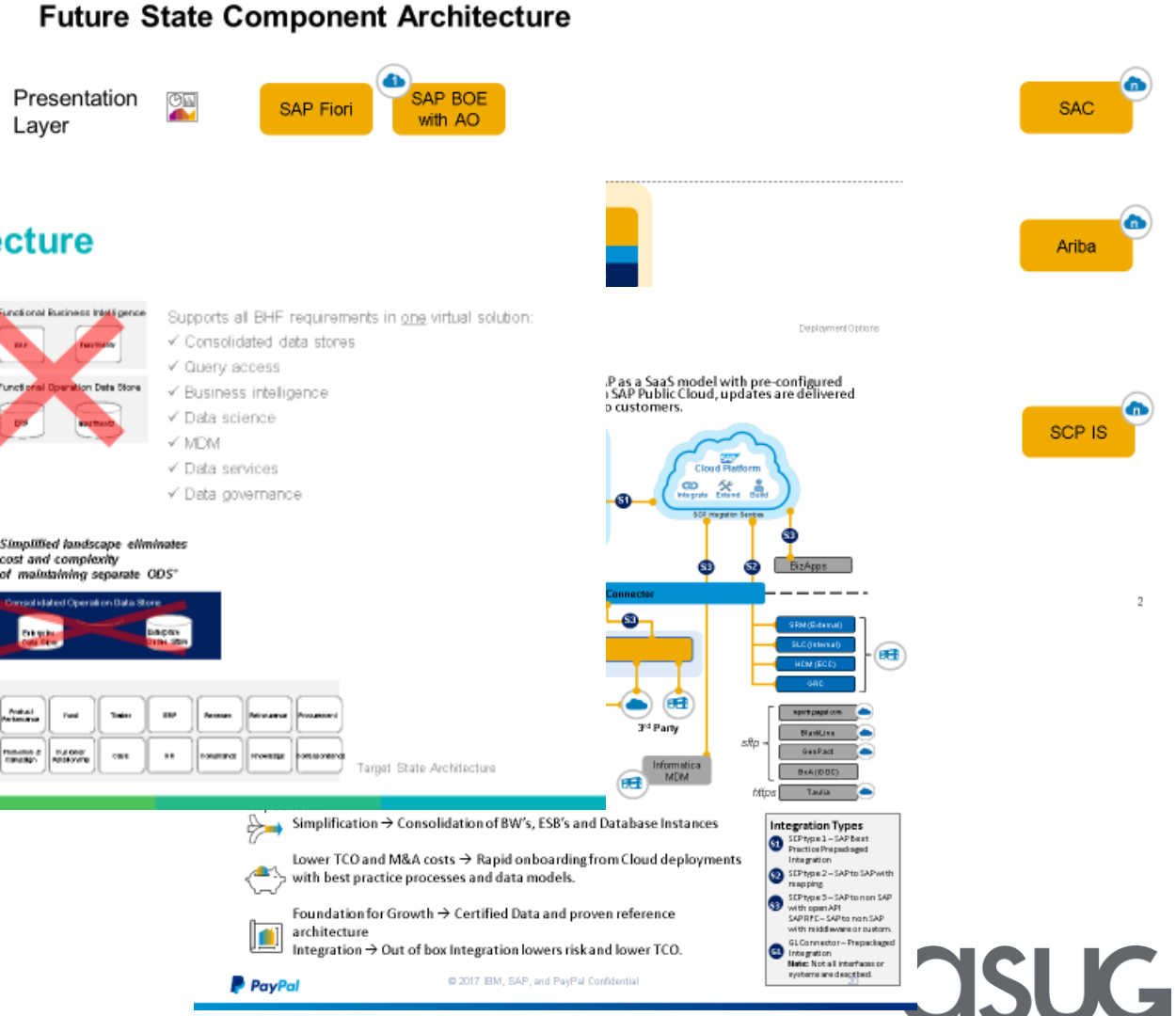


Deployment Models

	Tenancy	Infrastucture Management	Application Management	Configurability	Extensibility	Innovation Agility	Cost of Operations	Security	DevOps
Public Cloud (multi-tenant)	Multple	Cloud Provider	Cloud Provider	Best Practice Standards (Model Company)	Through Extension Points	Faster automated innovation cycles	Lowest	Cloud Provider	2 system landscape
Public (single tenant)	Single	Cloud Provider	Cloud Provider	Best Practice with Customization	Through Extension Points	Managed innovation cycles	Low	Cloud Provider	2+ landscape possible
Private or Managed Cloud	Single	Customer	Customer or 3rd Party	Full Customization possible	Full Extensiblity	as implemented	High	Customer and 3rd party	n system landscape
Hybrid Cloud	Mixed	Mixed	Mixed	Mixed	Mixed	as implemented	low to high	Mixed	Mixed

Sample Hybrid Architectures



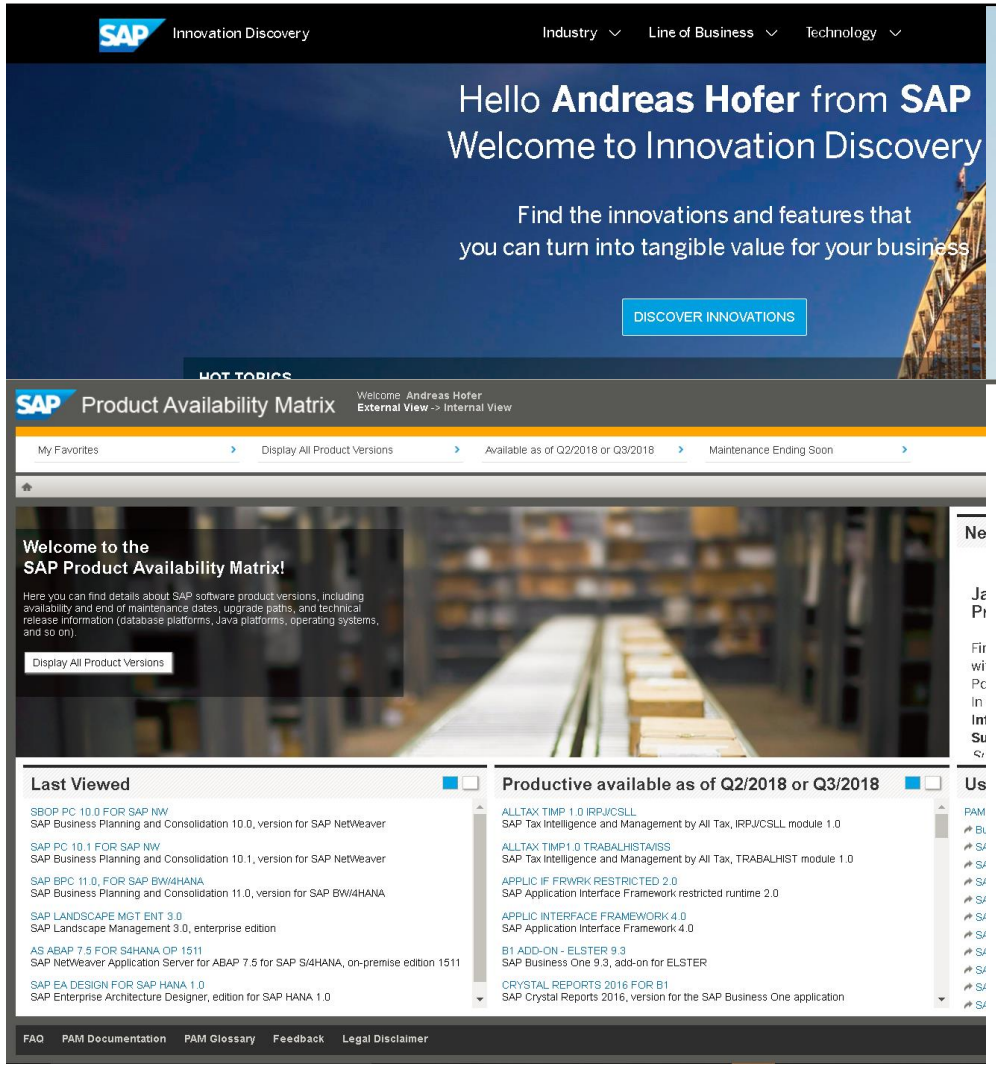


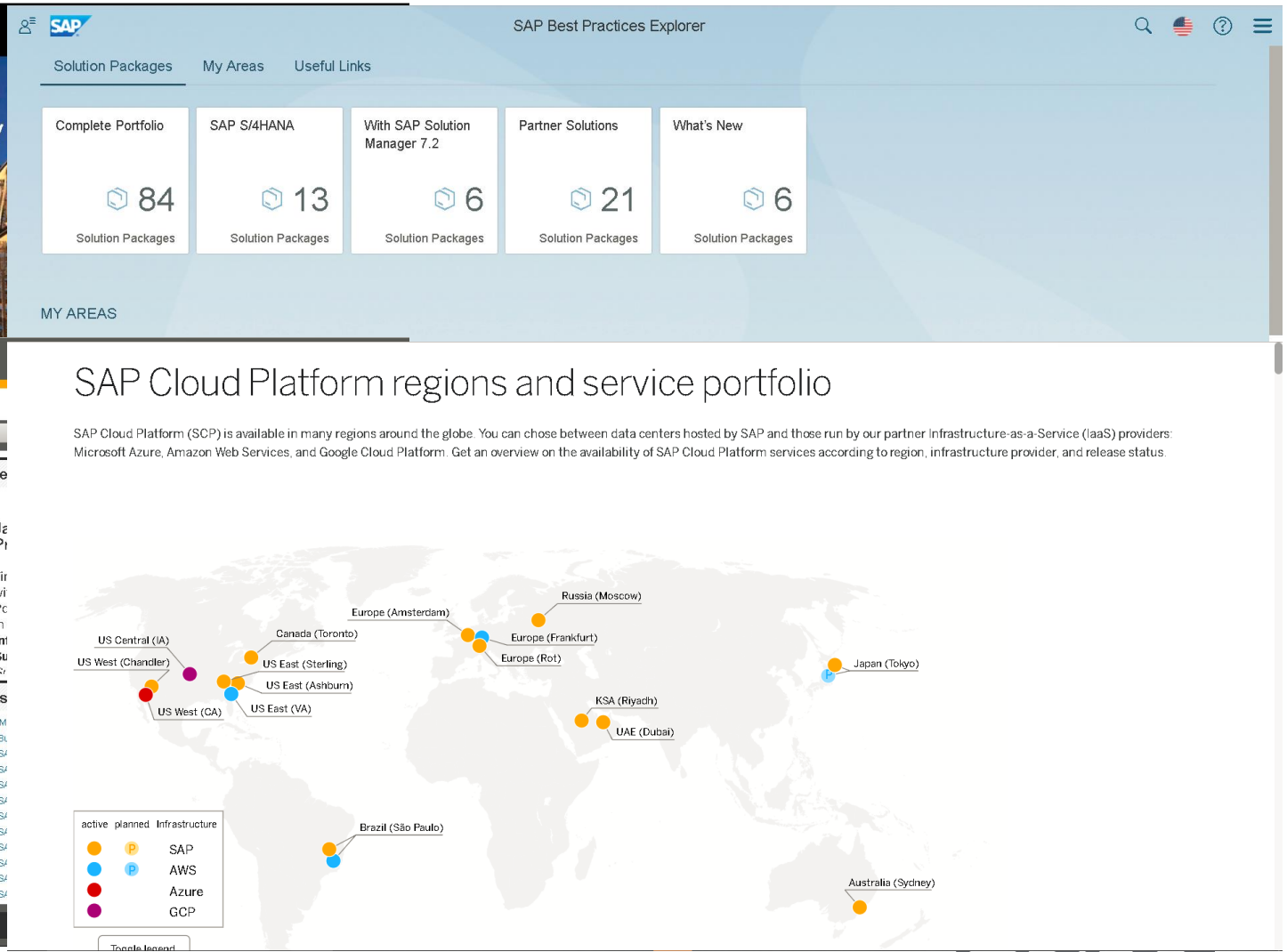
SAP Cloud Reference Architectures

Cloud adoption depends on many factors including:

1. **Data (i.e. governance, adherence to an industry model.)**
2. **Integration (i.e. API support, cloud peering etc.)**
3. **Security (data center, encryption, etc.)**
4. **Compliance (GPDR, Data Center, SLA's etc.)**
5. **Physical Hardware (Elasticity, physical vs. virtual, containers etc.)**
6. **Etc.**

Sources of Information





A Cloud Readiness Checklist

Area	Requirement	Approach
☑Compliance	Meet global requirements related to cloud migration, including outsourcing, information security, and data privacy/sharing.	Assessment
☑Operating Model	Define the operating model for Finance and Technology upon migration to the cloud.	Workshop
☑Financial	Improve the economics of cloud computing to optimize company's savings from up-front investment. (including write-off of any existing capitalized software assets.)	Workshop and Business Case
☑Infrastructure and Architecture	Meet the company's infrastructure and architectural requirements for cloud computing, including: redundancy, environments, data retention, and integrated E2E model.	Workshop and Roadmap
☑Migration Path	Develop the most efficient path to migrate the company to the cloud.	Roadmap
☑Contractual	Ensure cloud master services agreements meet all of the company's required T&C's. This includes information security, limitation of liability, privacy etc.	Review T&C's
☑Information Security	Meet the company's information security policy requirements. Mature encryption and cloud security standards. Agree on data lifecycle and deletion programs should relationship terminate.	Workshop
☑Data Management/Privacy	Document approach to data lineage for data traveling to and from the cloud. Evaluate impacts of financial systems data in the cloud to overall data management strategy for the company.	Workshop and Gap Analysis
☑Functionality	Meet company's requirements for functionality related to our most critical processes and requirements as a major company.	Workshop and Gap Analysis
☑Performance	Meet company's service level agreements for our most critical processes, including required integration.	Workshop and Gap Analysis

Interactive Case Study

- The customer is a global automotive supplier with plants in US, Mexico and Germany.
- The SAP footprint includes: ECC, CRM, and APO. ECC 6.0, CRM 7.0 in US, ECC 6.0 in Mexico, ECC 6.0 in Germany. Plus various infrastructure components for: Portal, SSO, IoT etc.
- Customer is looking to move into China where they have no footprint. This would be a manufacturing facility.
- They would like to simplify their environment and move to the cloud wherever possible.
- They would like a 5 year roadmap and transition and future state architecture.
- **What should they consider?**
- **What are their options?**
- **How could they determine support for their options?**

SAP Case Study #1 Big Data

- S/4HANA, Big Data as a Service, SAP HEC

SAP Case Study #2 Total Spend Management

- S/4HANA, Ariba, Fieldglass, Concur, SAP Azure

SAP Case Study #3 HR

- S/4HANA, SuccessFactors

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Q&A

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