

SAP Workloads in der Cloud

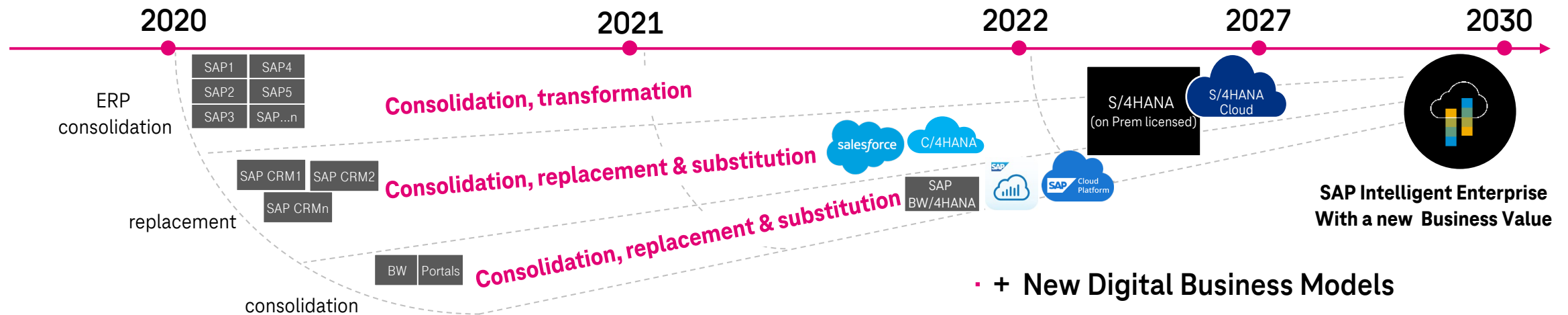


Lars Micheel, T-Systems

T Systems

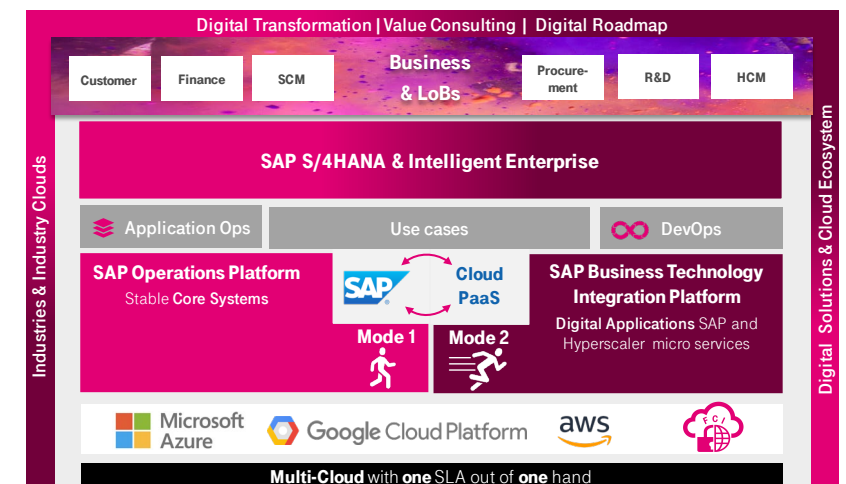
Let's power
higher performance

SAP customers face a tremendous change of their IT landscape



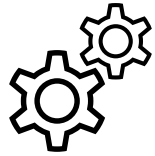
+ New Digital Business Models

Change dimensions	Client impact
Enterprise Architecture	SAP system consolidation leads to large, but central SAP S/4 instance(s) deployed on hyperscalers
Cloud and SaaS	SAP product strategy strongly cloud and SaaS driven, increased role of best of breed/SaaS (non-SAP) applications
Microservices	New 'micro applications' based on hybrid PaaS, cloud native and SAP services





Three main aspects drive Business Decisions



Business Continuity

During **transformation**
& **operation**



Data Privacy

In **platform** &
operation

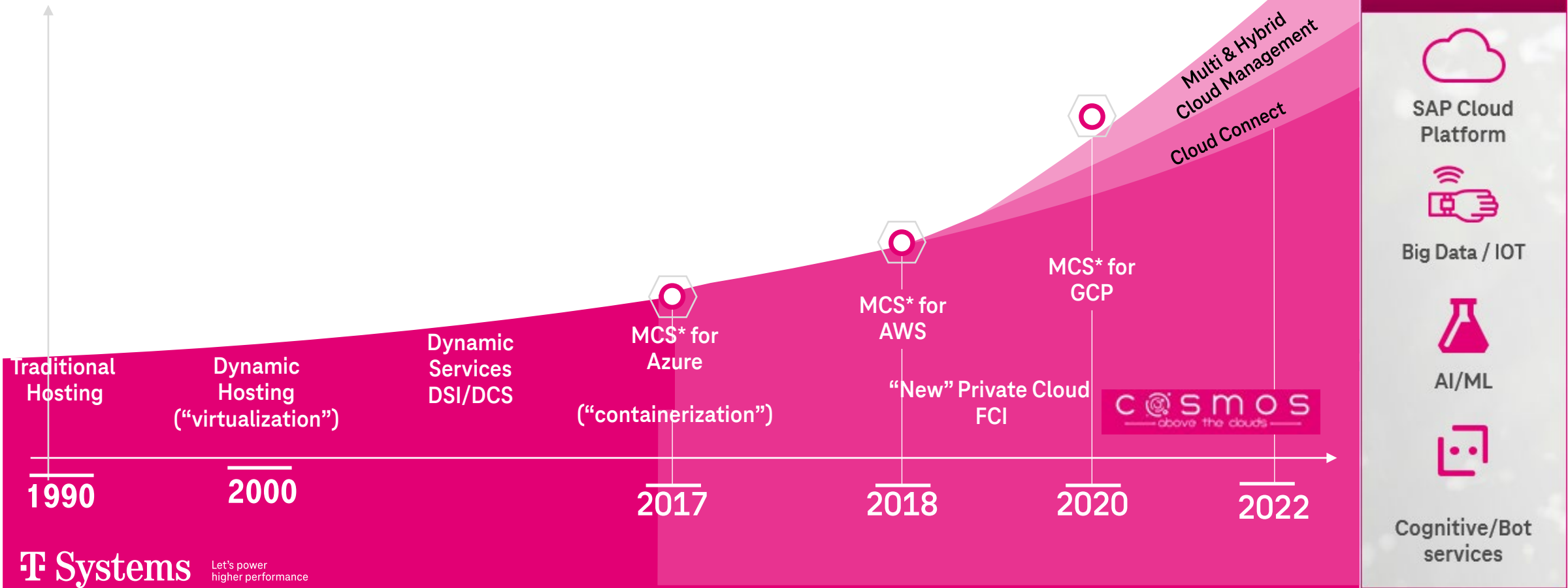


Digitalization

New Business Models
Leverage **cloud services**
& **integration**

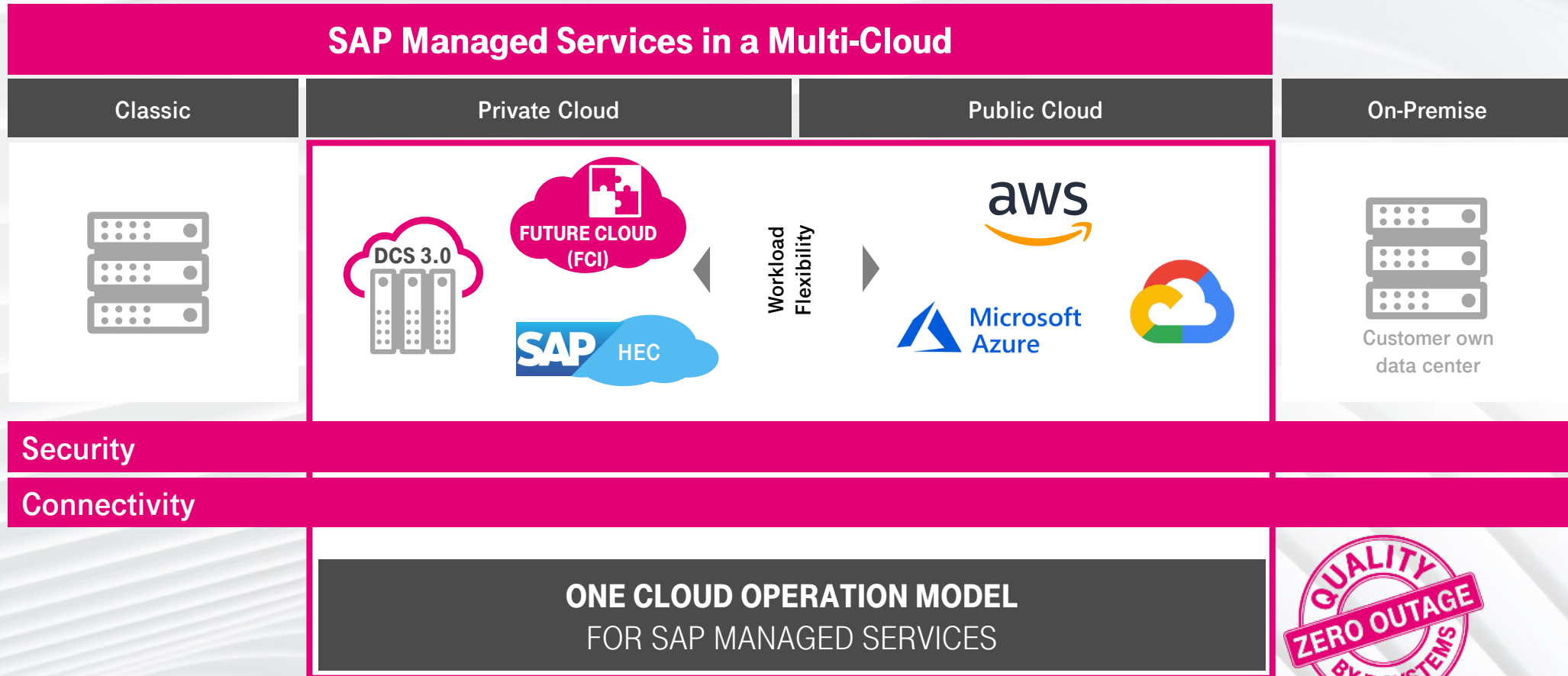
T-Systems – adapted operational model

Hosting Evolution for SAP Workloads

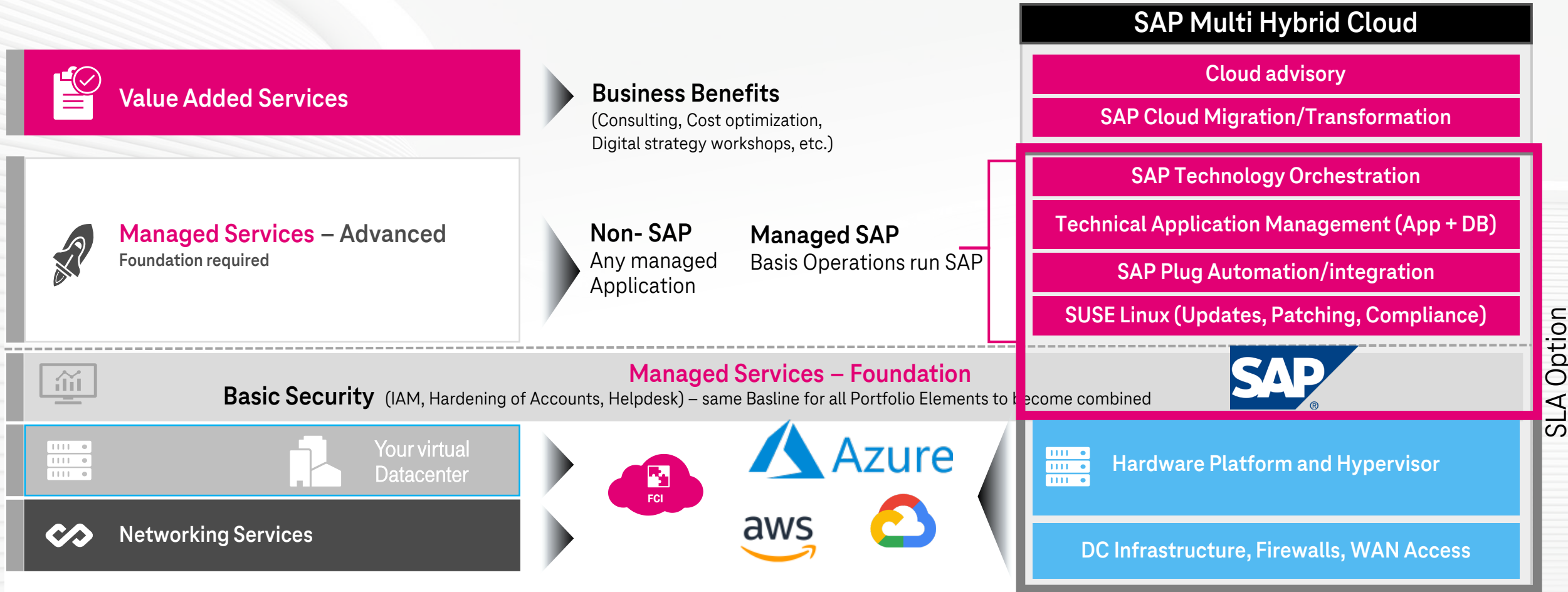


*Managed Cloud Services

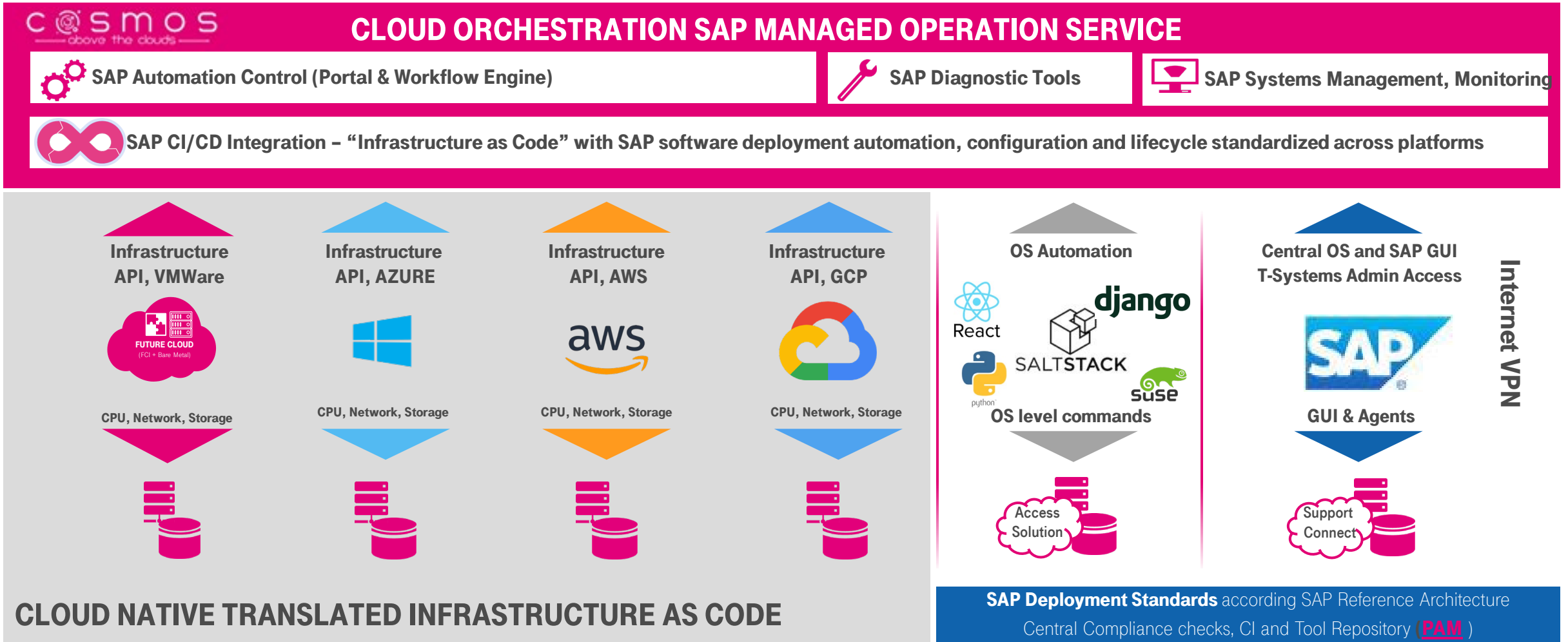
SAP Managed Services in a Multi-Cloud environment



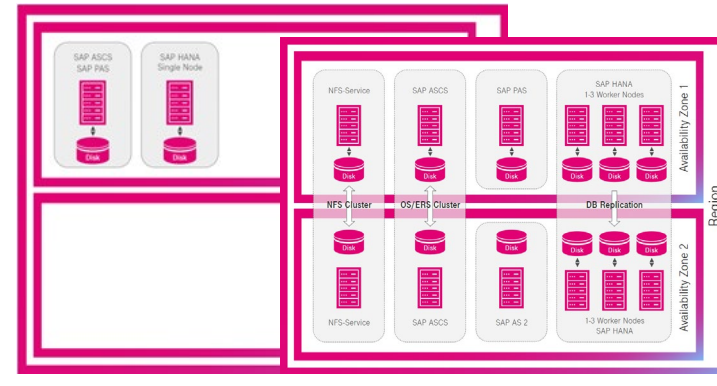
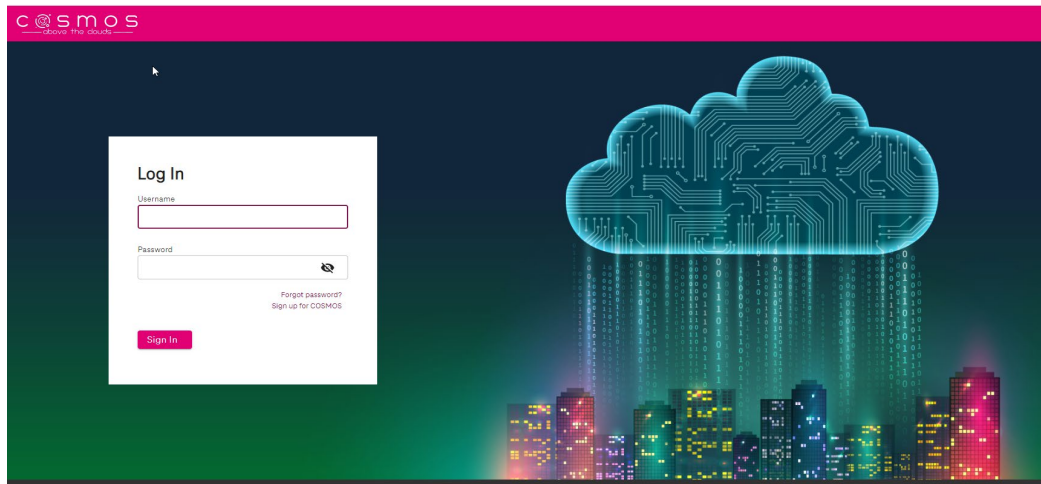
T-Systems Multi Hybrid Cloud combine SAP and Non- SAP Offerings



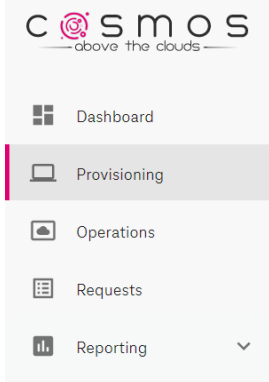
SAP Managed Services Platform – SAP AO Services Multi-Cloud Framework



T-Systems Cloud for SAP® Solution Automated Build Service



- The portal organizes cloud endpoints in tenants, called Business-Groups
- Support simple and complex SAP Deployments with IaaS tailored **Reference designs** supporting most usual use cases
- Automation beyond the Infrastructure including SAP deployment
- SAP Templates Available



Centralised Netweaver System	Distributed Netweaver System	SAP HANA System	Communication Component
Single Server Installation	3-Tier Installation	3-tier SAP HANA installation	Single Server Installation for Middleware
office Attended Operation	office Attended Operation	office Attended Operation	office Attended Operation
SMHC_CNWBAS Catalog ID	SMHC_DNWBAS Catalog ID	SMHC_S4HBAS Catalog ID	SMHC_SCCBAS Catalog ID
non-production Workload	non-production Workload	non-production Workload	non-production Workload

Centralised Netweaver System	Distributed Netweaver System	SAP HANA System	Communication Component
Single Server Installation	3-Tier Installation	3-Tier S4/HANA Installation	Single Server Installation for Middleware

All Reference Designs aligned with SAP on Hyperscaler Reference Architecture!

Automated SAP Operations for standards Tasks

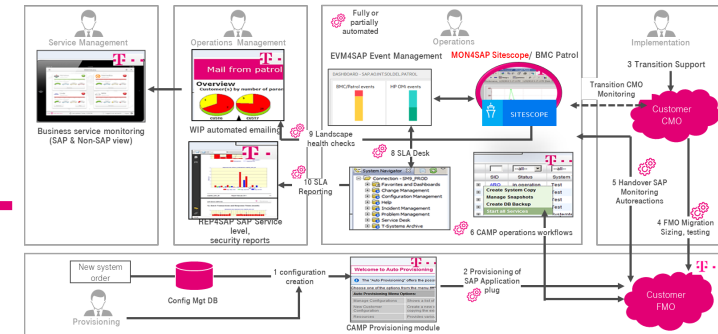
T Systems Hi, Imicheel

Companies ▶ Future Cloud Infrastructure ▶ fci0401

Applications | Shared File Systems | Network Management | Schedules | History | Details

Start Stop Delete Refresh Search

SID	Description	System Type	Application Group	Application Status	Server State	Submitter	Created At	Actions
ABC	Generic Service Skeleton	TEST	ABC	Unknown	Unknown	sahande	2021-Jul-23 17:14 CEST	More
AH1	Netw/HANA Skeleton	TEST	AH1_AN1	Started	Running	abenthin	2021-Jul-02 14:27 CEST	More
AN1	Netw/HANA Skeleton	TEST	AH1_AN1	Provisioned	Running	abenthin	2021-Jul-02 14:27 CEST	More
CG1	Netw/Sybase (Single Host)	TEST	CG1	Multiple	Running	cgramsch	2021-Apr-29 18:17 CEST	More
ES4_08_CI	S/4HANA 1909	TEST		Started	Running		2021-Jun	



- Create Database Backup
- Start OS Patching
- OS Upgrade(Beta)
- Edit System Data
- Enable Antivirus
- Resize VM
- Mount Shared FS
- Manage OS Snapshots
- Attach HCX Network
- Detach HCX Network
- Get SAP Media
- Delete Service

- True Multicloud **Operation Model** for SAP Workloads – support SAP Hana **and** AnyDB!
- Single Point of control independent on which Infrastructure are Systems are running (private or public)
- Intelligent SAP Monitoring, Automation, Support connection and all Security settings out of the box delivered!

Why provided by T-Systems

SAP Multi and Hybrid Cloud

Operation

- Customer Self Services with **standard service catalog** for support of individual DEVOPS setups
- Managed SAP services in Europe or Offshore operation models according legal requirements
- SAP-Workload monitoring with integration in **AIOps** Framework, with over twenty years best practices as code
- Standard packages for



Technology

- **MultiCloud orchestration** tooling for private cloud and AWS, GCP and Azure
- **Central point of control** to run SAP landscapes
- Efficient Backup tooling for AnyDB and HANA (XBR)
- **Own Private Cloud** solution
- MultiCloud **Connectivity platform** to support different platforms
- Native **Infrastructure as Code** adapted to the specific IaaS stack



Security & Compliance

- Combination of different **security measures** in place
- Secure SAP landscape setup **per default**
- Additional security features possible
- **Comply with global norms and standards: ISO 9001, ISO 27001, ISO 27017, ISO, 27018, ISO 14001**
- Secure admin access via **SOC1/2 process**
- Experience in **GxP** operation



IT Service Management

- ITSM in different variations and locations available
- **Transparency cost** control and management
- Service consumption via **Standard Service catalog**
- **Flexible** Service level up or down scaling
- **Integrated** Service Desk service
- ServiceNow integration available

