Deploy SAP systems quickly and easily with SAP Cloud Appliance Library

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Agenda

SAP Cloud Appliance Library – the Scope

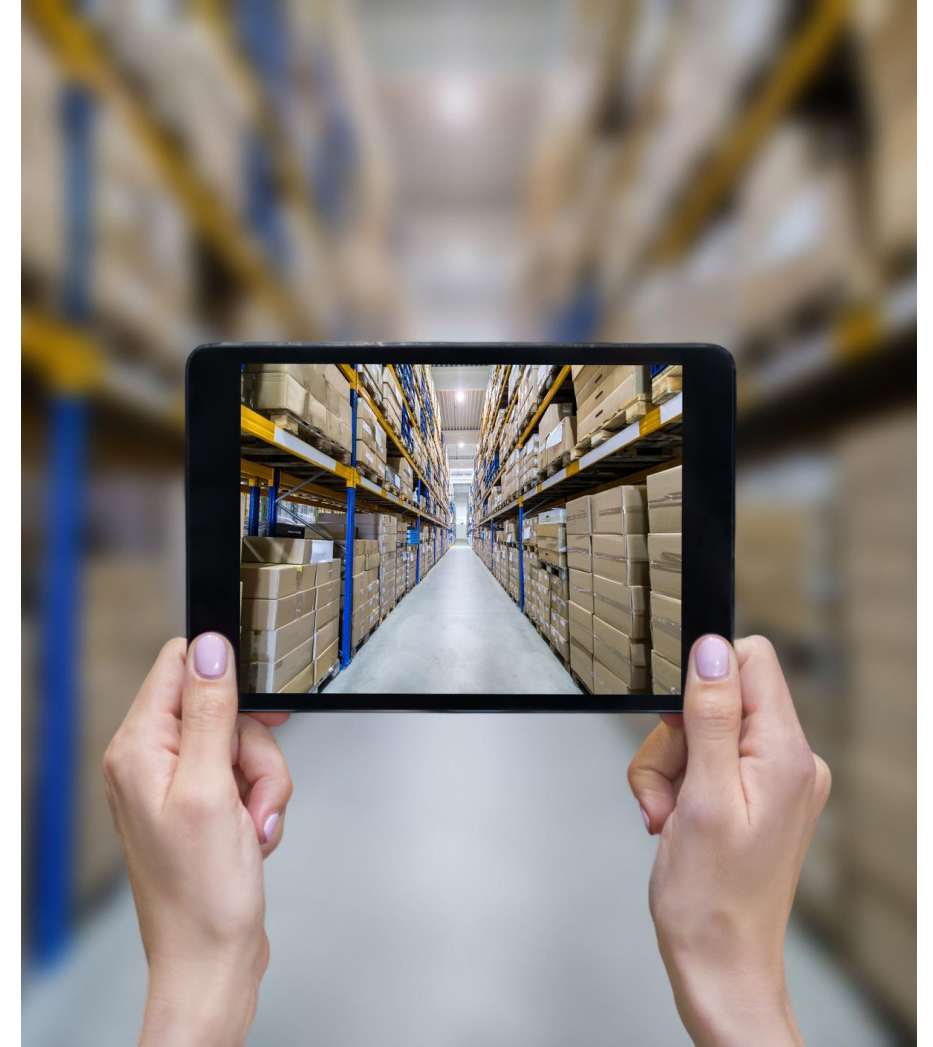**SAP Cloud Appliance Library – two Flavors**

Demos

SAP Cloud Appliance Library – the Scope

Quick start your SAP Project

Provision SAP systems in your hyperscaler environment

→ Explore a catalog of solutions and choose

→ Pick an Appliance Template or an SAP installation stack

→ Install with intuitive deployment wizards

→ run fully configured demo environments

→ run fully fledged SAP systems (Dev, Q, Prod)

SAP Cloud Appliance Library – two Flavors

Looking for a preconfigured SAP System, tailored for sandboxing, exploring new releases and self paced learning?

Appliance Template

Looking for a guided path to a fully fledged SAP S/4HANA system built of a default or custom stack and the topology of your choice?

SAP Installation stack

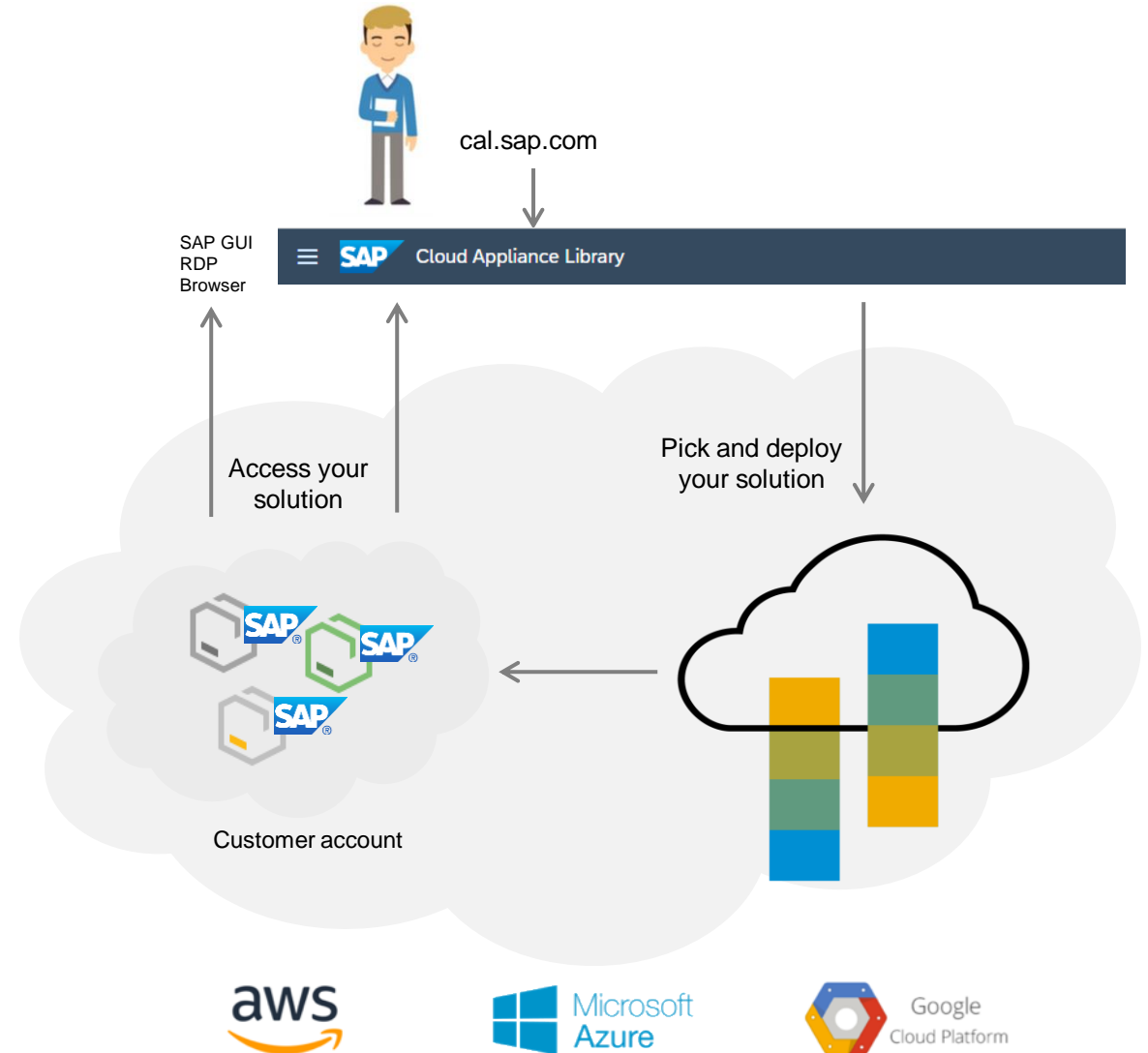# SAP CAL for Appliance Templates – Concept and Costs

Fast, Simple and Powerful

Template approach plus intuitive deployment with tight integration into leading hyperscalers

Cost Control

Cost forecast for hyperscaler per Appliance Template
SAP 30 day free trial period in most cases
Trial transfer to subscription

Licensing Options

Free trial period – no SAP Product licenses requested
Subscription mode – SAP Product licenses needed
Test and demo licenses are accepted

https://cal.sap.com

cal.sap.com

SAP GUI
RDP
Browser

SAP Cloud Appliance Library

Access your solution

Pick and deploy your solution

Customer account

aws

Microsoft Azure

Google Cloud Platform

Appliance Templates – Concept

Demo

- preconfigured for instant use

- content and scenarios for exploring

- single host or landscapes

- ready to use in less than an hour

- some fix settings for faster deployment

- architecture tailored for trials

- small sized for cost control

✓ **Ideal for trying out new releases**

✓ **New Templates on a regular basis**

✓ **Not tailored for production use**

SAP Cloud Appliance Library – two Flavors

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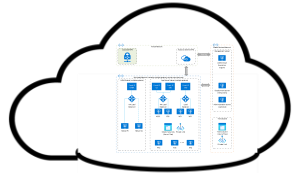
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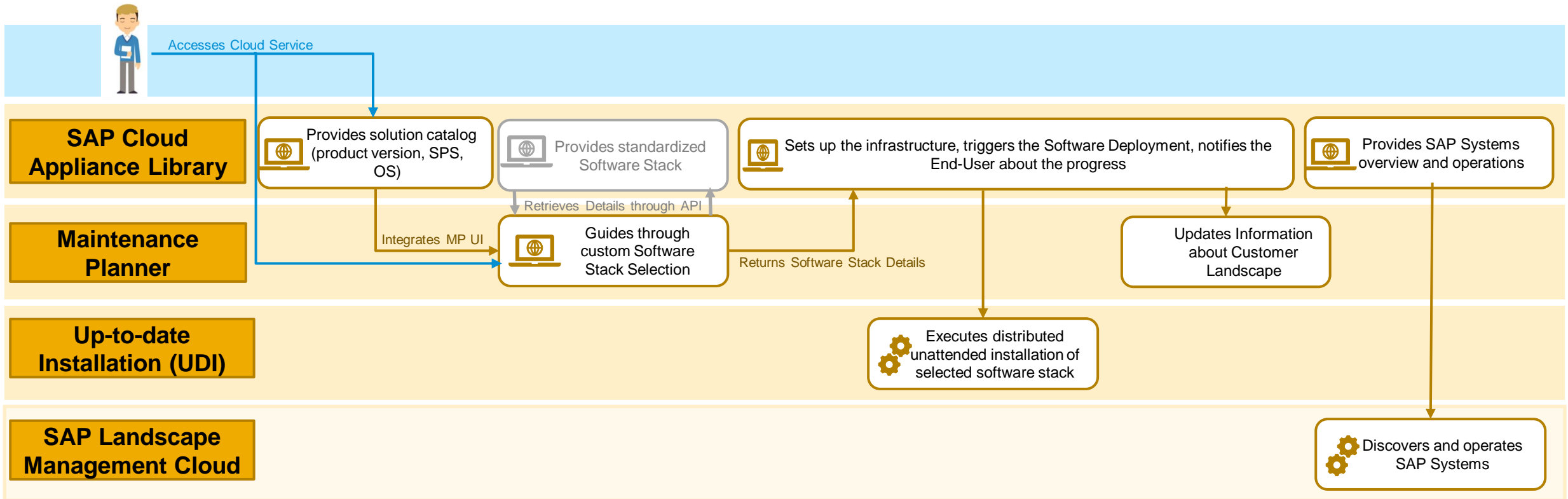
SAP Installation stack

Tight integration of tools for System Provisioning

SAP Cloud Appliance Library (CAL), Maintenance Planner, and Up-to-Date Installation (UDI)

– Cloud service for provisioning a standardized system layout for SAP S/4HANA on Microsoft Azure
– Either standard or custom defined software stack using the established UDI process

Accesses Cloud Service

SAP Cloud Appliance Library

Provides solution catalog (product version, SPS, OS)

Provides standardized Software Stack

Sets up the infrastructure, triggers the Software Deployment, notifies the End-User about the progress

Provides SAP Systems overview and operations

Retrieves Details through API

Maintenance Planner

Integrates MP UI

Guides through custom Software Stack Selection

Returns Software Stack Details

Updates Information about Customer Landscape

Up-to-date Installation (UDI)

Executes distributed unattended installation of selected software stack

SAP Landscape Management Cloud

Discovers and operates SAP Systems

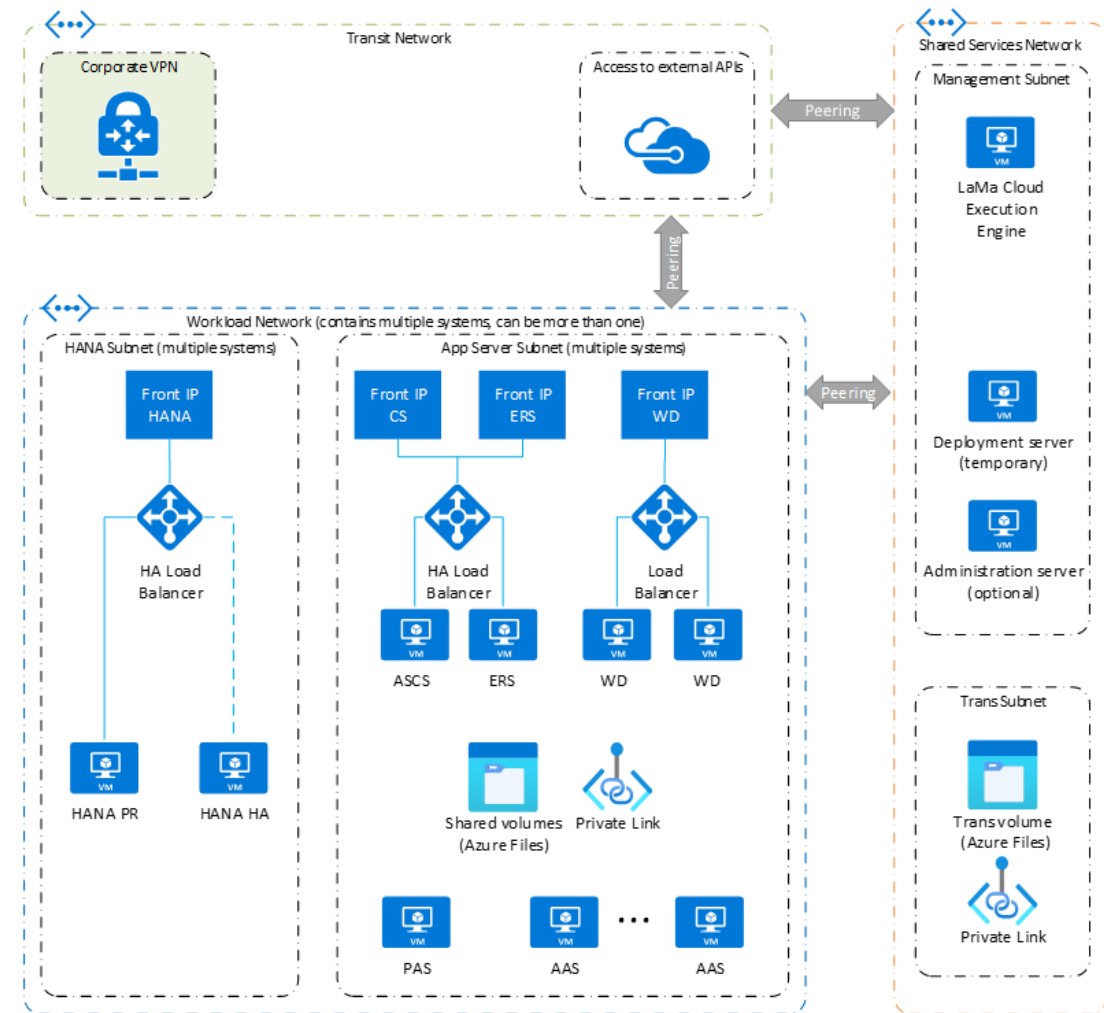→ End User facing UI, direct interaction with the customer

→ Orchestrated, unattended execution, no direct interaction with the customer

Automated Deployment of SAP S/4HANA systems on Azure

✓ Standardized system layout for SAP S/4HANA

✓ Fully-automated up-to-date installation process including Feature Pack Stack installation

✓ Easy integration with customer's Microsoft Azure account

✓ Default or Customer specific SAP software installation stacks

✓ Suitable for dev, test and production use

✓ Built on best practices from SAP and Microsoft

Highlighted Features

– Easy to use step by step wizard to set up the database, application servers, web dispatcher and central instance

– Distributed system landscape with high availability capabilities, incl. Pacemaker clusters

– Embedded integration with Maintenance Planner for easy Add-on configuration

– Fiori activation as part of the automation set up

– Automated calculation of the VM sizes and the number of additional servers based on the target SAPS

– Graceful system start and stop possibilities

– *(Planned)* Option for repetitive deployment from same installation files

– *(Planned)* Support for custom naming convention for infrastructure resources

– *(Planned)* Support for bring own customized OS images

Automation Deployment – Features in more detail

Automated creation of Azure infrastructure components

- Virtual machines with certified sizing
- Encrypted local storage on managed disks
- NFS on Azure files for shared filesystem
- Application and Network Security Groups
- Key Vaults and secrets
- Resource groups, storage accounts and storage containers
- Network Subnets and load balancers
- Public Ips, Network Interfaces, Private endpoint
- TLS certificates and DNS records
- Landscape setup based on Availability Zones

Operating system support

- SLES and RHEL support
- Bring your own subscription option for SLES

Configuration and installation

- System Topologies: Distributed, HA with SAP HANA System Replication with or without Pacemaker clusters
- SAP Standard Application Benchmarks integration
- Built in sizing calculation of the application layer
- Suggested default values for instance numbers, hostnames and other settings

SAP S/4HANA 2021 FPS02 Deployment with System Replication

Demo

SAP Cloud Appliance Library – what's next?

Appliance Templates

Continued delivery of new Templates

SAP Installation stack deployments

Deployment option via API*

Migration Scenario support*

Single host installations*

*planned

SAP Cloud Appliance Library – Info and Community

SAP Cloud Appliance Library Community

https://community.sap.com/topics/cloud-appliance-library

for Roadmap, blogs and learning videos and related pages

Community support for trial Appliances

SAP Cloud Appliance Library

https://cal.sap.com/

Access the Library, explore also without registering

Thank you.

Contact information:

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Contact me via SAP Cloud Appliance Library community

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