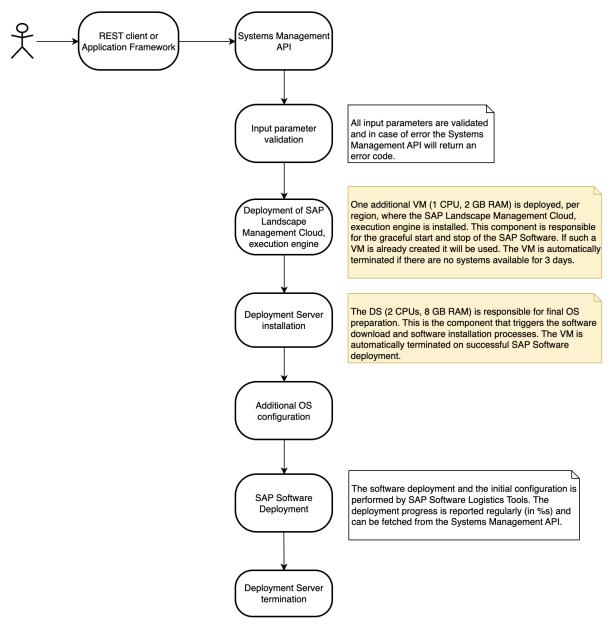# Software provisioning of SAP S/4HANA system over existing infrastructure created outside SAP Cloud Appliance Library

The Systems Management API provided by SAP Cloud Appliance Library allows you to automate the setup, installation, and management of systems directly into your Microsoft Azure account. For more information on how to consume the API, go to SAP Help Portal.

PROCESS DIAGRAM

This is the process diagram for the Systems Management API for software provisioning of SAP S/4HANA system over existing infrastructure (for example, virtual machines, network configuration, load balancers, DNS hostnames resolution, and so on) created outside SAP Cloud Appliance Library. For more information about the API methods, go to SAP Business Accelerator Hub.

REST client or Application Framework → Systems Management API

Input parameter validation

All input parameters are validated and in case of error the Systems Management API will return an error code.

Deployment of SAP Landscape Management Cloud, execution engine

One additional VM (1 CPU, 2 GB RAM) is deployed, per region, where the SAP Landscape Management Cloud, execution engine is installed. This component is responsible for the graceful start and stop of the SAP Software. If such a VM is already created it will be used. The VM is automatically terminated if there are no systems available for 3 days.

Deployment Server installation

The DS (2 CPUs, 8 GB RAM) is responsible for final OS preparation. This is the component that triggers the software download and software installation processes. The VM is automatically terminated on successful SAP Software deployment.

Additional OS configuration

SAP Software Deployment

The software deployment and the initial configuration is performed by SAP Software Logistics Tools. The deployment progress is reported regularly (in %s) and can be fetched from the Systems Management API.

Deployment Server termination

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