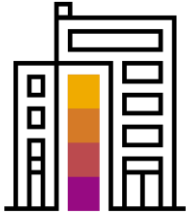




# SAP® Innovation Awards 2020 Entry Pitch Deck

Supporting an Evolving IT Infrastructure with Automated System Provisioning  
SEVEN PRINCIPLES AG



## Company Information

<b>Headquarters</b>	Paris, France
<b>Industry</b>	Automotive
<b>Web site</b>	N/A

Providing parts and components that are used in the manufacture of millions of vehicles every year, a French original equipment manufacturer (OEM) has multiple sites worldwide. To support its operations, the company relies on an extensive IT infrastructure on which it runs numerous on-premise and cloud solutions. This environment will soon include the SAP HANA® platform, which the company is currently deploying to help it prepare the way for digital transformation.

The OEM wanted to automate and centralize software administration tasks to help IT staff run its growing IT infrastructure efficiently. In addition, it wanted to help teams deploying SAP HANA by making it easier and faster to provide high-quality testing environments.

To address this, the company decided to implement SAP® Landscape Management software. As a result, it has reduced the time spent on routine system provisioning and has accelerated the deployment of SAP HANA, supporting the manufacturer on its journey toward becoming an intelligent enterprise.

# Simplifying Systems Administration with Automated Provisioning

## Automotive Manufacturer



**The entire process of testing custom code related to the deployment of SAP HANA is now faster and more efficient, thanks to SAP Landscape Management.**

Nils Krugmann,  
SAP Program and Unit Manager,  
SEVEN PRINCIPLES AG

### Challenge

An automotive OEM needed to manage an evolving IT infrastructure effectively while maintaining high standards of quality and compliance.

### Solution

The manufacturer decided to deploy SAP Landscape Management software to automate system management and enable the rapid provision of high-quality test environments.

### Outcome

By simplifying the system provisioning process, the company has freed up IT staff time to focus on value-added tasks. In addition, the availability of consistent, compliant test environments is helping accelerate the deployment of the SAP HANA platform, supporting the company on its journey to digital transformation.



**90%**

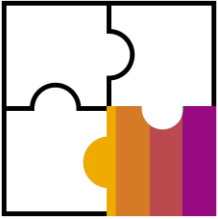
Less time  
required to  
manage routine  
tasks

**30%**

Reduction in IT  
staffing costs

**9x**

Increase in  
possible system  
refreshes each  
year



## Participating Partner Information

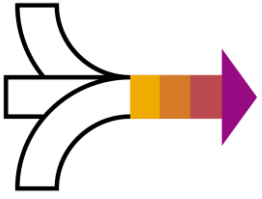
### SEVEN PRINCIPLES AG

IT consultants deployed SAP Landscape Management in a parallel test environment, giving the OEM's IT staff hands-on experience before going live.



“At every stage, we explained what we were doing to the OEM team, and they were able to try out key functionality of SAP Landscape Management for themselves. It was important that we not only implemented the software but also made sure that the IT staff had the skills they needed to get maximum value from the solution.”

Volker Menzfeld, Consultant, SEVEN PRINCIPLES AG



## Business Challenges and Objectives

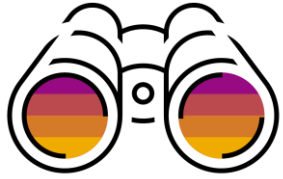
---

As a leading supplier to some of the world's largest automotive companies, it's critical that the OEM's systems are managed in accordance with high standards of quality and compliance. However, with the IT team provisioning a growing IT infrastructure manually, tasks such as system refreshes were error prone and time consuming, taking up to two weeks.

In addition, different setup approaches could introduce differences between system copies. This made testing activities problematic for the team conducting an ongoing deployment of SAP HANA. They needed consistent system copies that comply with industry requirements.

---

To improve the efficiency with which it manages its IT infrastructure, the OEM wanted to automate and centralize IT system administration, eliminating routine manual software provisioning tasks. It also wanted to use specialist functionality for managing environments based on SAP HANA that would support the ongoing deployment and wanted to provide consistent, high-quality testing environments for deployment teams.



## Project or Use Case Details

---

To streamline operations and prepare for digital transformation, the automotive OEM was in the process of deploying SAP HANA across the business. However, to help it manage this evolving IT infrastructure efficiently, it wanted to simplify system administration and reduce the amount of time its IT teams had to spend on software provisioning.

By implementing SAP Landscape Management, the OEM was able to centralize system administration and eliminate manual processes with automated features for system refresh, copy, and post copy tasks. In addition, SAP Landscape Management enables IT staff to quickly create consistent system copies that comply with industry requirements for running test environments needed by the team deploying SAP HANA.

With SAP Landscape Management enabling the automation of software provisioning, skilled resources for SAP software are freed up to take over more valuable tasks. Faster completion of system administration activities also means that it's now possible to carry out system refreshes more often. This speeds up the testing process, which in turn accelerates the overall deployment of SAP HANA and supports the OEM on its path to becoming an intelligent enterprise.



# Benefits and Outcomes

## Business or Social

- Effective management of an evolving IT environment to meet business needs
- Faster deployment of SAP HANA, supporting digital transformation and enabling streamlined business processes
- 30% reduction in staffing costs

## IT

- Simplified landscape management as a result of centralized, automated system administration
- 90% reduction in time to conduct system refreshes
- Increase in the number of possible system refreshes each year from 28 to 260
- Automation of state-of-the-art functionality within SAP HANA, including near-zero downtime maintenance capabilities
- Ability to meet robust industry standards with high-quality, consistent test environments

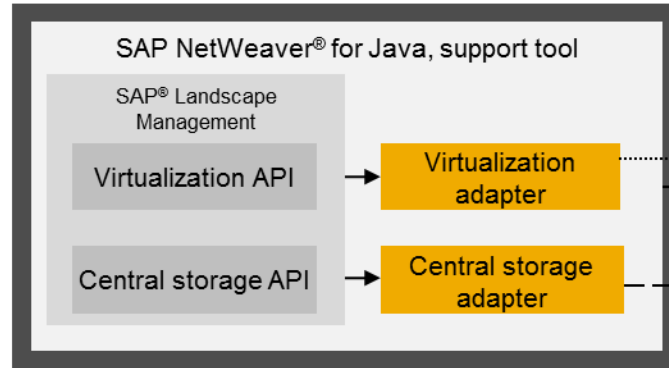
## Human Empowerment

- Knowledge transfer from SEVEN PRINCIPLES to IT staff, helping ensure they have the skills needed to derive maximum value from the solution
- Skilled technical staff freed up to focus on value-added digital transformation projects

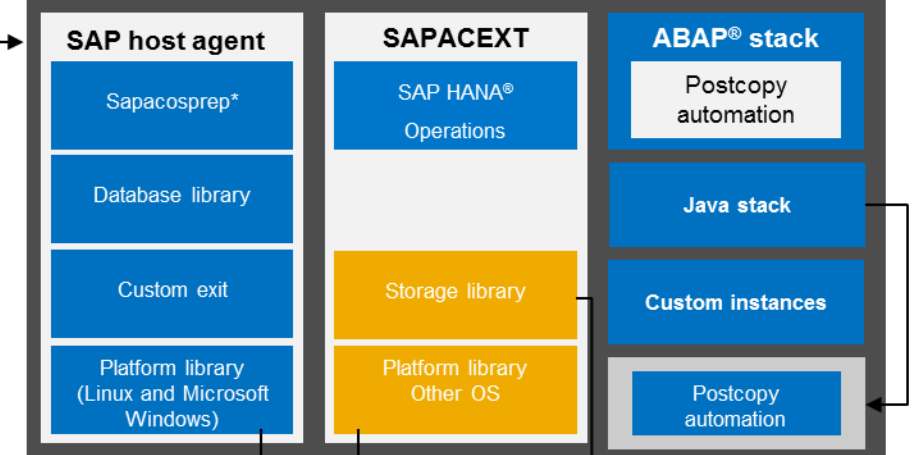


# Architecture

## Management server



## Managed host

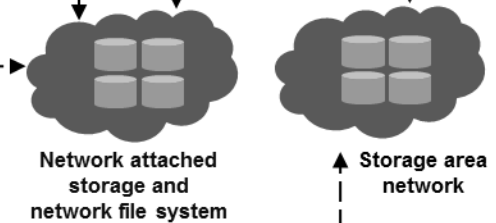


## Managed host



Virtual machine management

Central storage management



□ = SAP   ■ = SAP partner   ■ = SAP and SAP partner integration

\*“Sapacosprep” is an executable program of the adaptive computing infrastructure that, for example, mounts the file systems and activates the IP addresses.





# Deployment



Deployment status      Live

Date                      2018

Number of users      100

## SAP technologies used:

	SAP product	Deployment status (live or proof of concept [POC])	Contribution to project
1	SAP Landscape Management	Live	Automate software provisioning
2	SAP HANA	POC	Prepare the way for digital transformation

If you have used one of the services or support offerings from SAP Digital Business Services during the implementation or deployment phase, please select with ☒ one or more of the following offerings:

- ☐ SAP MaxAttention™
- ☐ SAP ActiveAttention™
- ☐ SAP Advanced Deployment
- ☐ SAP Value Assurance
- ☐ SAP Model Company
- ☐ Others:
- ☐ SAP Innovation Services
- ☐ SAP Innovative Business Solutions



# Advanced Technologies

The following **advanced technologies** were part of the project.

	Technology or use case	Yes or No	Contribution to project
1	3D printing	No	
2	Blockchain	No	
3	Internet of Things	No	
4	Machine learning or AI	No	
5	Conversational AI	No	
6	Robotic process automation	No	
7	Data anonymization	No	
8	Augmented analytics	No	