

# Manage Your On-Premise Applications On Demand

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Public

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# How SAP helps you with cloud and virtualization management

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**Your IT did invest in huge on-premise solutions as the business backbone of the enterprise.**

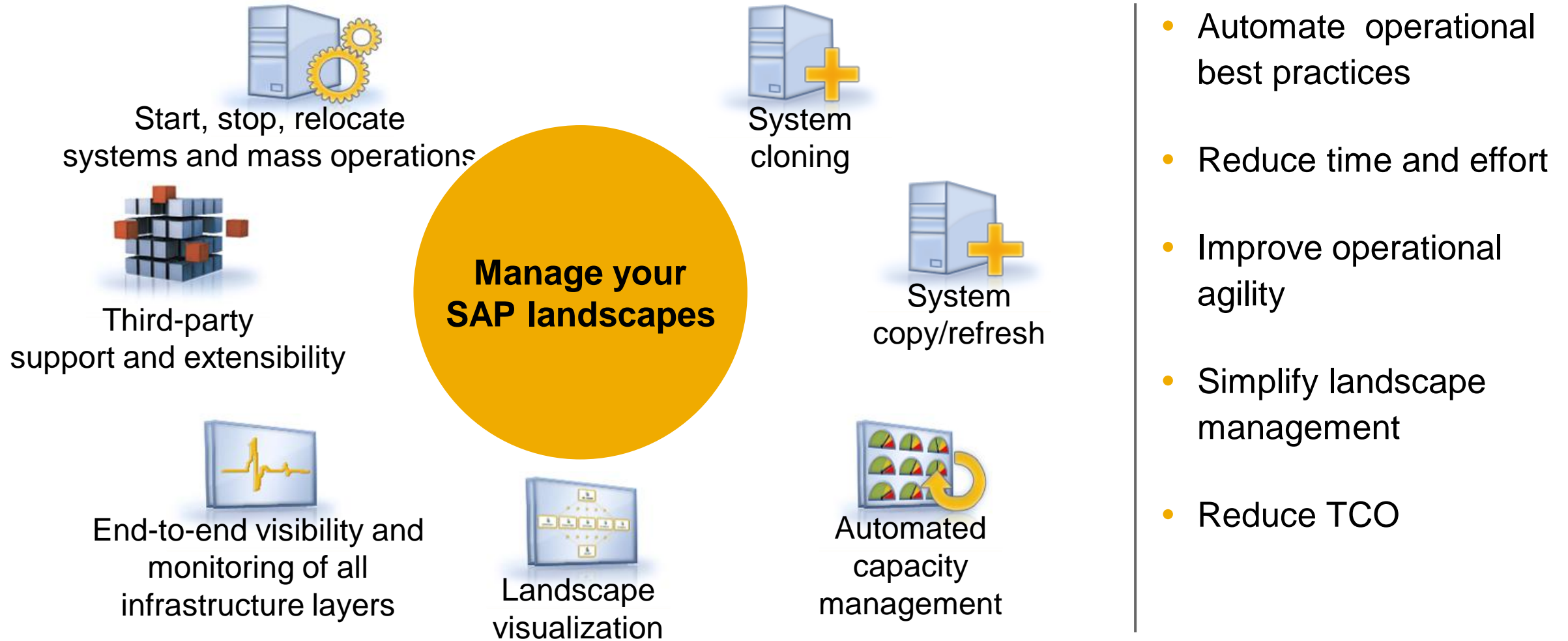
**The cloud promises IT with new levels of cost efficiency and agility.**

**SAP provides tools to help streamline system administration and enable your SAP Business Suite solution to take advantage of virtualization and cloud computing.**



# SAP NetWeaver Landscape Virtualization Management software

## Feature overview/value proposition

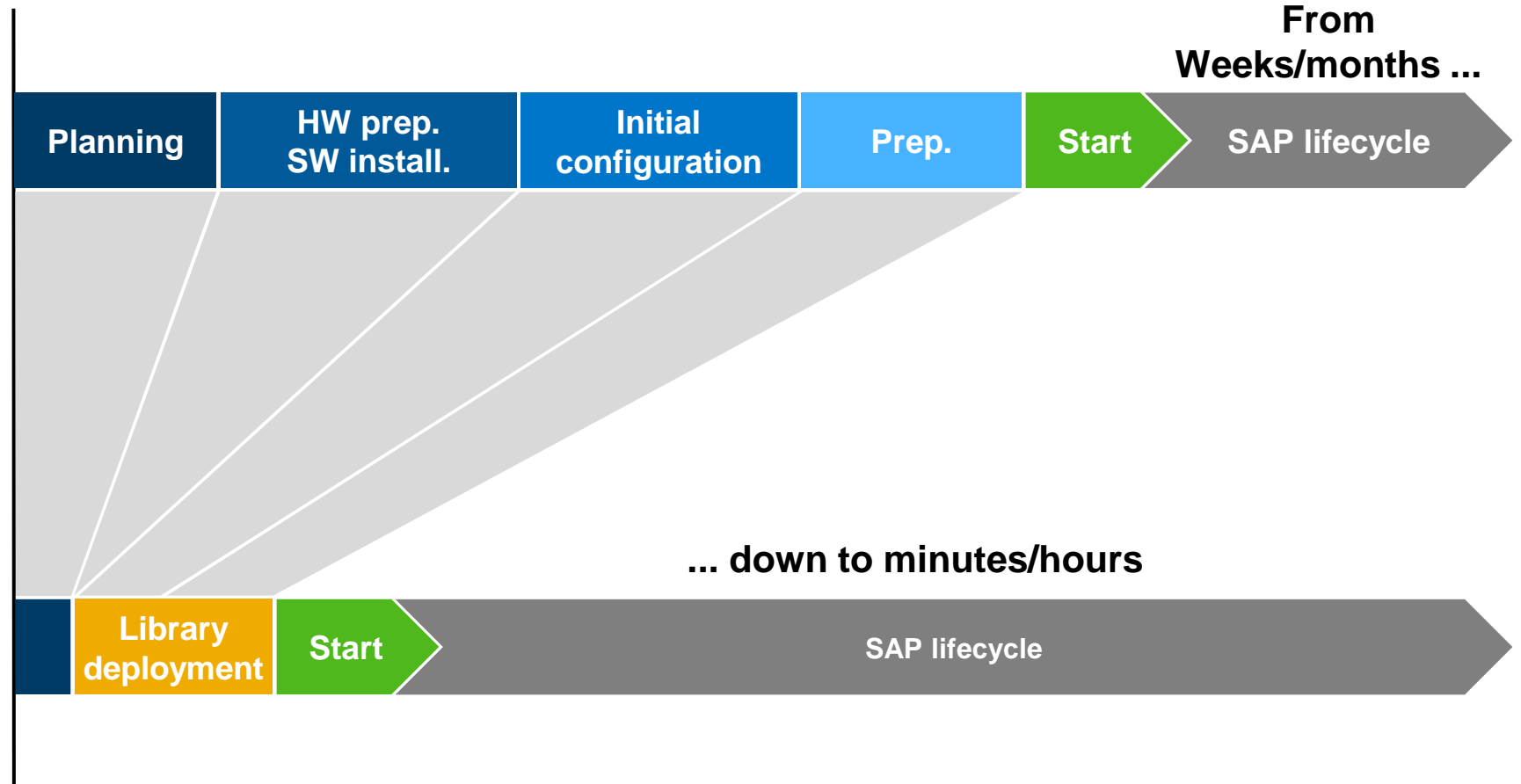
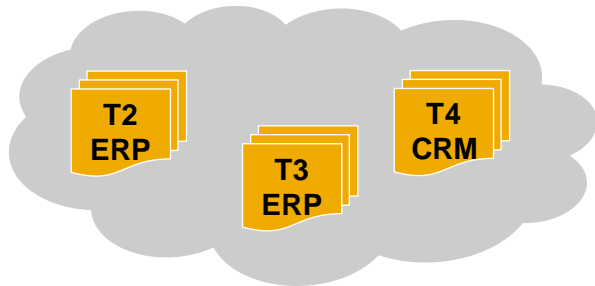


# SAP Cloud Appliance Library – motivation

## Consuming SAP solutions

**Traditional  
on-premise delivery**

**SAP Cloud Appliance Library**



# SAP Cloud Appliance Library

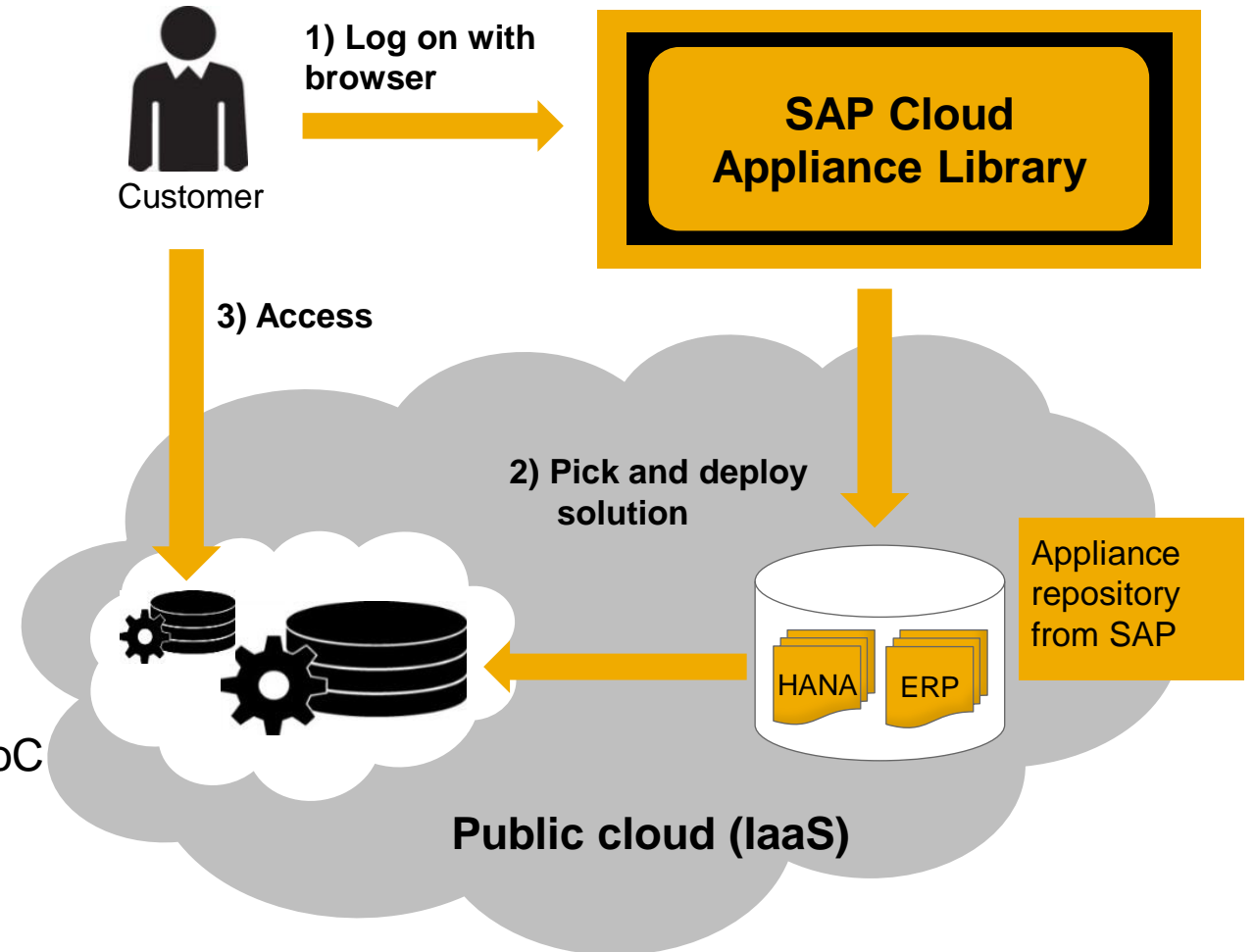
## Overview workflow and typical scenarios

### Simplified SAP provisioning

- Log on to management console with your favorite Web browser
- Pick from variety SAP solutions
  - Rapid-deployment solutions
  - Technology solutions
- Deploy the selected SAP solution into your public cloud account
- Access the solution

### Typical cloud scenarios

- Host SAP internal projects on public cloud (for example, for customer and upgrade initiatives)
- SAP solutions are available in the cloud for customer PoC
- SAP development partners benefit from development backbones in the cloud
- Run trainings in the cloud



# About ConAgra

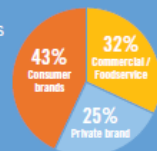
our  
recipe  
for  
growth

## 2013 Fact Sheet



### We deliver everyday food in extraordinary ways.

ConAgra Foods, Inc., (NYSE:CAG) is one of North America's largest packaged food companies making the "Food you love." Its balanced portfolio includes consumer brands found in 97 percent of America's households, the largest private brand packaged food business in North America, and a strong commercial and foodservice business. Consumers can find recognized brands such as Banquet®, Chef Boyardee®, Egg Beaters®, Healthy Choice®, Hebrew National®, Hunt's®, Marie Callender's®, Orville Redenbacher's®, PAM®, Peter Pan®, Reddi-wip®, Slim Jim®, Snack Pack® and many other ConAgra Foods brands, along with food sold by ConAgra Foods under private brand labels, in grocery, convenience, mass merchandise, club stores and drugstores. ConAgra Foods also has a strong commercial foods presence, supplying frozen potato and sweet potato products as well as other vegetable, spice, bakery and grain products to a variety of well-known restaurants, foodservice operators and commercial customers. ConAgra Foods operates ReadySetEat.com, an interactive recipe website that provides consumers with easy dinner recipes and more. For more information, please visit us at [www.ConAgraFoods.com](http://www.ConAgraFoods.com).



ConAgra Foods' current net sales mix  
Total = \$18 billion



ConAgra Foods' brands are found in 97 percent of America's households

Estimated \$18+ billion in net sales

ConAgra Foods sells more than 12 million packages of food each day, including 3.8 million frozen food packages

28 consumer brands are No. 1 or No. 2 in their category, and our private brands from the Ralcorp portfolio are No. 1 in 16 of a total of 22 product categories



#### Quick facts

20 consumer brands generate more than \$100 million in retail sales each year

ConAgra Foods offers 160 consumer brand meals for \$3 or less

Fortune 500 company

The world headquarters for ConAgra Foods is in Omaha, Neb.

ConAgra Foods started in 1919 as Nebraska Consolidated Mills. In 1971 it was renamed ConAgra, Inc. and became ConAgra Foods in 2000

36,000+ employees

# Problem we're solving

our  
recipe  
for  
growth



Go from this...

Low server utilization  
Over-provisioned capacity  
Unnecessary power consumption



To this...

Higher server utilization  
Just-in-time capacity  
Reduced power consumption

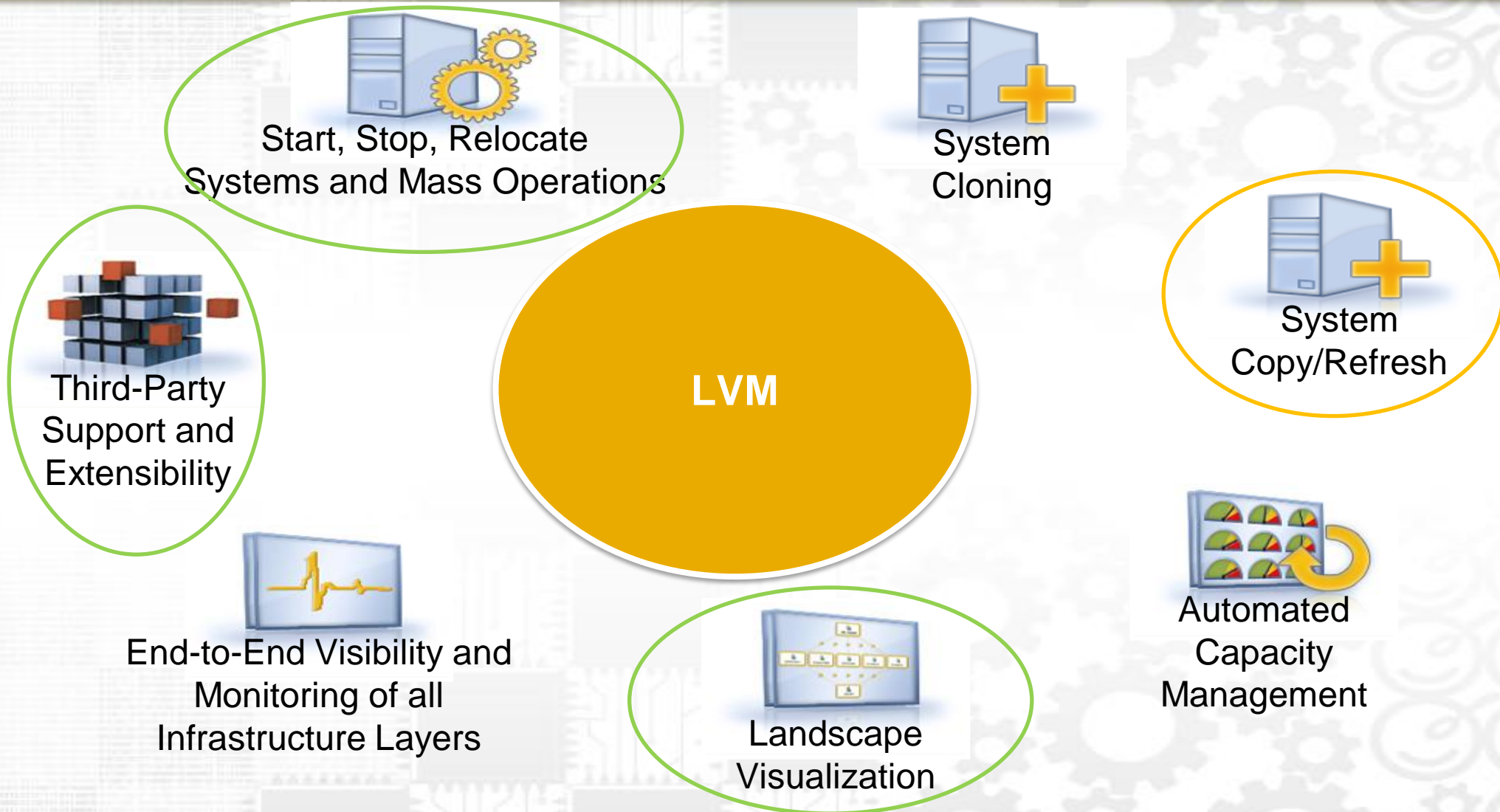


# ConAgra Environment



- SAP versions
  - SAP ECC 6.0 EHP 6
  - BW 7.3 SP 8
  - SCM 7.0 EHP 1
  - CRM 7.0 EHP 2
  - SAP NetWeaver 7.3 and 7.0
- Database
  - Oracle 11G (ASM and Non ASM)
- Infrastructure
  - SuSE Linux 11.2
  - 26 Physical Servers (6 Veritas Clusters).
  - 269 VMs running across 93 hosts (9 ESX Host Clusters)
  - vSphere 5.1

# Options implemented At ConAgra



# Benefits

- We have visibility of all systems availability in one window
- The logs also provide us the information on who performed the operations and whether the operation was successful or not .
- We had significant reduction in outage duration for start and stops of the systems
  - For example : Relocation included Unix ,Basis and Storage and took 1hr . It now takes less than 15 mins and is all handled by our level 1.5 support



# ConAgra Use cases

## Starting/Stopping SAP Environments

- Adhoc
- Mass restarts
- Planned outages

## Relocation

## Non SAP environment

The screenshot displays the SAP Cloud Manager interface. The top navigation bar includes tabs for Overview, Operations, Provisioning, Automation, Monitoring, and Configuration. Below this, there are tabs for Services, Resources, and Virtualization. The main area shows a 'System Landscape' with a tree view on the left and a table of services on the right. The tree view includes 'Pools (4)' with sub-items like 'SAP Development Pool (1)', 'SAP Production Pool (18)', 'SAP Quality Assurance P', and 'SAP Validation Pool (14)'. The table lists various services, including 'EPD: NetWeaver ABAP, cnuep1cd (1)', 'FPD: NetWeaver JAVA 7.20, cnufp1dd (2)', 'HTD: NetWeaver ABAP 7.21, cnuht1dd (1)', 'PDD: NetWeaver ABAP, cnupd1dd (1)', 'PSD: NetWeaver ABAP, cnups1dd (2)', 'R3D: NetWeaver ABAP 7.21, cnur32dd (1)', 'RBD: NetWeaver ABAP 7.20, cnurb1dd (1)', 'SBD: NetWeaver ABAP 7.20, cnusb1dd (1)', 'TPD: NetWeaver JAVA 7.20, cnutp1dd (2)', and 'TXD: TREX System 7.10, cnutx1cd (1)'. The 'SBD' service is selected, and its details are shown in the 'Mass Operations' tab. The 'Mass Operations' tab includes a dropdown for 'Operation Type' (Normal) and a dropdown for 'Operation' (Mass Stop). Below this, there are buttons for 'Execute', 'Resource Check', 'Auto Assign', 'Clear Resources', 'User Exits', 'Note', and 'Intersystem Dependency'. A table at the bottom shows the status of the selected service, with columns for SID, Service, Description, Resource, Service Status, Possible Operation, Operation Not Possible, and AC-Enabled. The 'SBD' service is shown with a status of 'Running' and a 'Possible Operation' of 'Stop'.

SID	Service	Description	Resource	Service Status	Possible Operation	Operation Not Possible	AC-Enabled
SBD	SBD Central Instance (ABAP): 52, cnusb1cd		cnusb1cd	Running	Stop		<input type="checkbox"/>

# New with SAP NetWeaver Landscape Virtualization Management 2.0

Just a few of many new features and enhancements

Lab preview

## Usability and customization

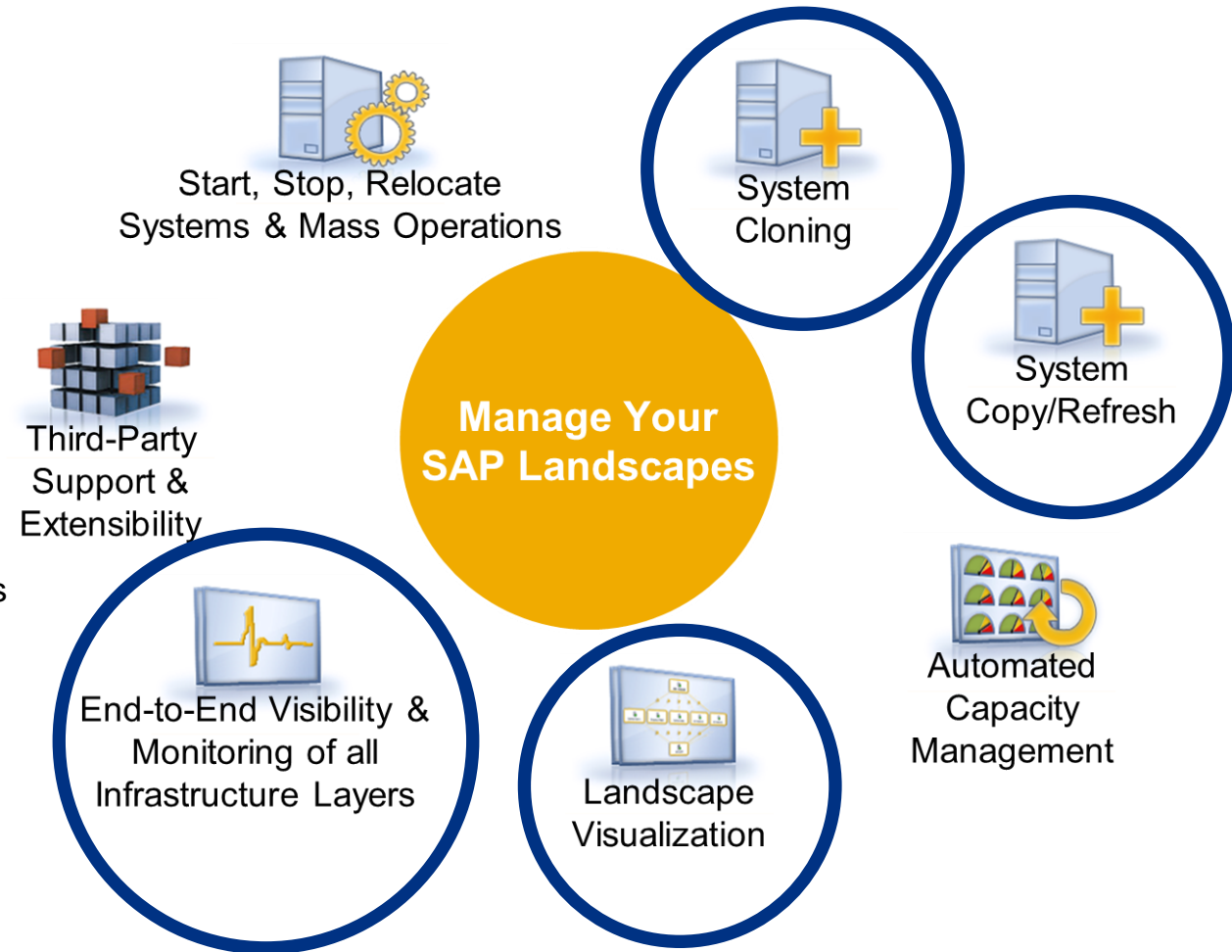
- Adjusted navigation and terminology
- Pool containers
- Custom tabs for external applications or files
- Enhanced search functionality
- Enhanced dashboard
- Additional pods

## System provisioning

- Near zero downtime management (nZDM) for SAP NetWeaver Portal
- Additional system copy/refresh scenarios for other SAP solutions
- Triggering of post-copy automation (PCA) as standalone process
- Deletion of virtual host and storage volumes during system refresh process
- User-defined custom cloning process
- Enhanced extensibility for end-to-end system copy/refresh

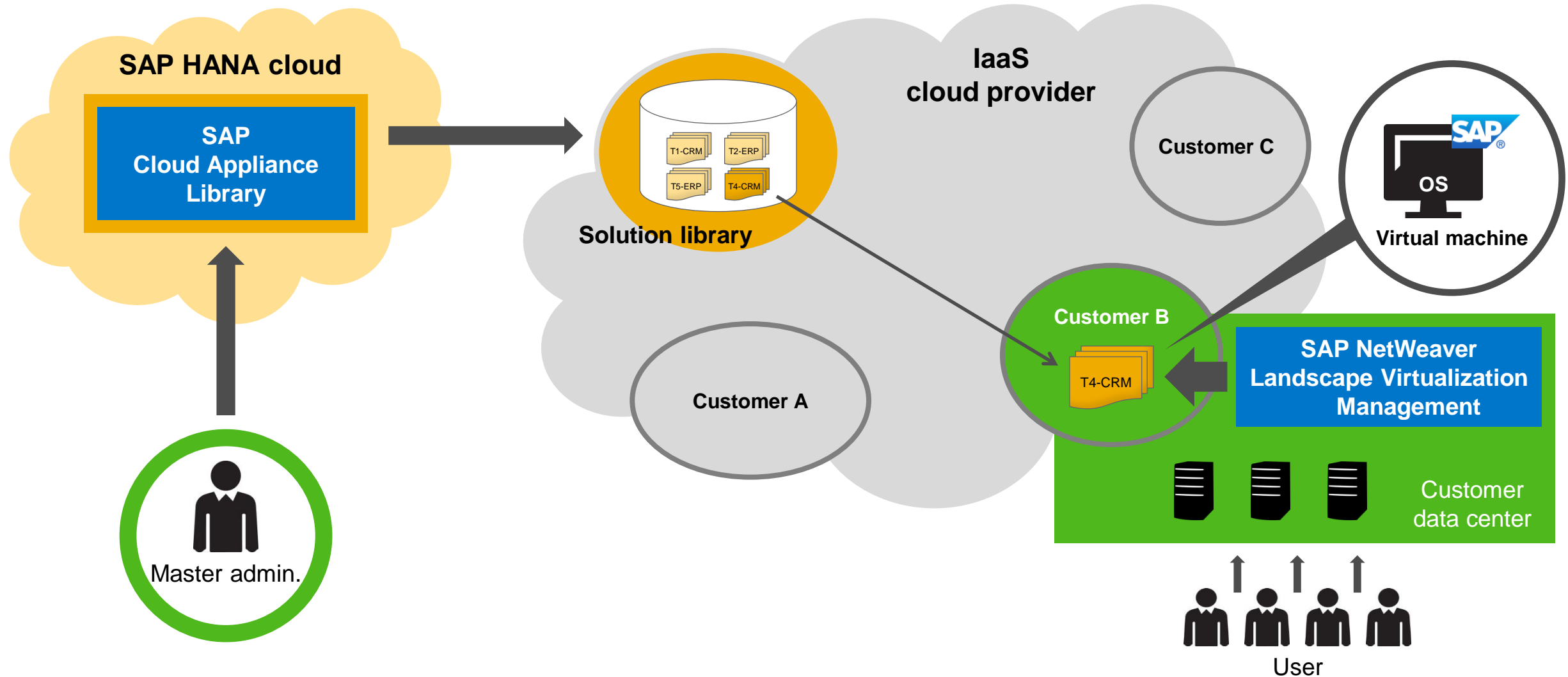
## Additional platform support and integration

- Additional virtualization functionality
- Collaboration with SAP Solution Manager
- Multi-node database (for example, RAC, DPF) awareness



# Technical overview

## SAP Cloud Appliance Library and SAP NetWeaver Landscape Virtualization Management



# Summary

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**Free up money spent on system landscape management.**

**Drastically improve IT response time in managing systems *and* in providing new ready-to-use systems.**

**Leverage the promises of cloud with today's SAP Business Suite applications.**





# Thank you

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# Further information

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## SAP Public Web

SAP.com Solutions	<a href="http://www.sap.com/solutions/technology/cloud/virtualization/index.epx">http://www.sap.com/solutions/technology/cloud/virtualization/index.epx</a>
SAP Community Network	<a href="http://scn.sap.com/community/it-management/virtualization">http://scn.sap.com/community/it-management/virtualization</a>
SAP NetWeaver Landscape Virtualization Management	<a href="http://scn.sap.com/docs/DOC-34922">http://scn.sap.com/docs/DOC-34922</a>
SAP Cloud Appliance Library	<a href="http://scn.sap.com/docs/DOC-33187">http://scn.sap.com/docs/DOC-33187</a>
SAP Help Portal	<a href="http://help.sap.com/nwlvvm">http://help.sap.com/nwlvvm</a>

## Related SAP Notes

Collective Note	<a href="#"><u>1527538</u></a>
SAP's recommended approach to system copy	<a href="#"><u>1767253</u></a>

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