



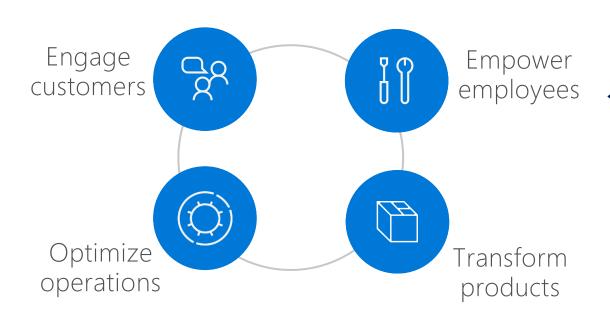


SAP-as-a-Service on Azure with SUSE and Ocean9

Jointly presented by Microsoft, SUSE and Ocean9

May 2017

Digital transformation



Drive digital transformation by running SAP on Azure



100+ datacenters | One of the top 3 networks in the world (coverage, speed, connections)

Your SAP HANA options on Azure

ON-DEMAND INFRASTRUCTURE

PURPOSE-BUILT INFRASTRUCTURE



Up to 0.5 TB RAM Globally available



1.7 TB to 3.5 TB RAM Launching soon in US, EU



Largest scale (0.768 TB to 20 TB RAM)

Available in US, EU, AUS

SUSE

Released the first comprehensive Linux distribution in 1992. Available on every major platform from x86 to the Mainframe.

A decade of collaboration with Microsoft supporting interoperability and joint innovation.



Our Strategy

With partners and communities, we innovate, adapt and deliver secure open source technologies to create solutions for mixed enterprise IT environments.



SAP and SUSE

Over 17 Years Of Technology and Engineering Collaboration

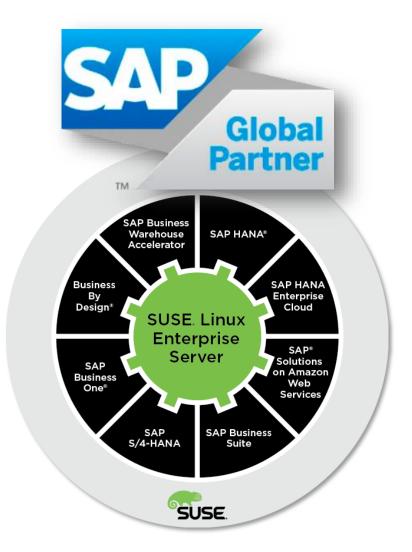
Front Runner Technologies

- 1st OS for SAP on Public Cloud
- 1st validated open source HA
- 1st validated virtualization

Strategic OS For:

- SAP HANA
- SAP Business Warehouse
- SAP Business ByDesign

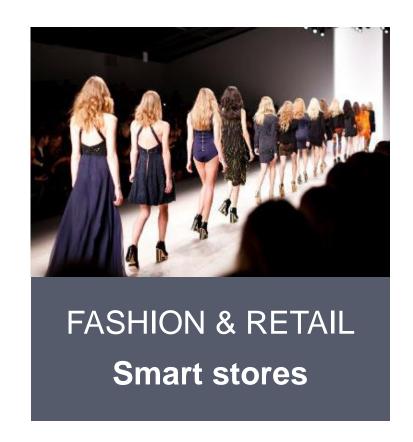
Integrated Enterprise Support

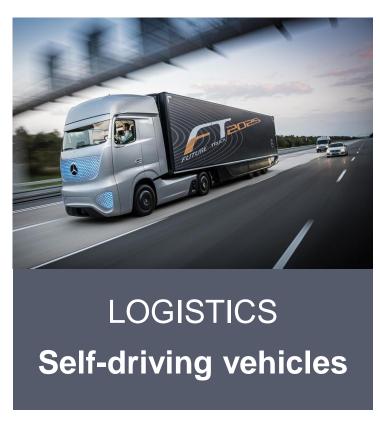


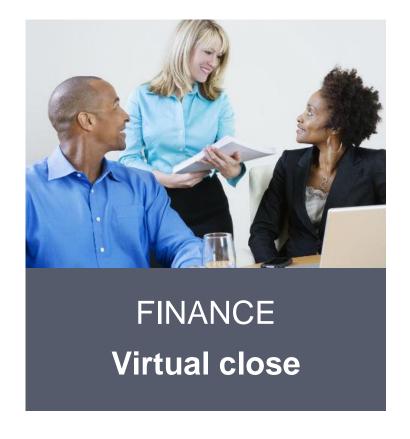


Making Business Truly Agile

A Silver Bullet for Enterprise Workloads













The Problem

Two Conflicting Paradigms in our Digital World



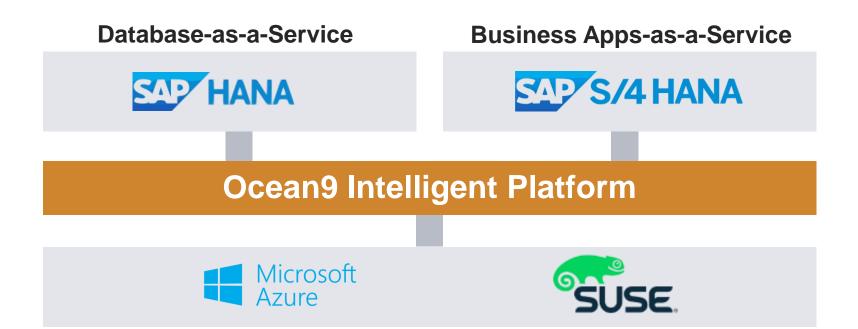






The Ocean9 Solution

Born in the Cloud SAP-as-a-Service



Enterprise Class

- High performance
- High availability
- Strict security

PLUS

- Cloud native capabilities
- Database containers







Speed and Simplicity = Innovation

The "Easy Button" solution for modernizing SAP



 $30 - 60 \, \text{min}$

- 10,000s of optimized SAP infrastructure configurations
- Cost transparency across laaS configurations
- Automatic deploy



Scale-out: 5 min Scale-up: 60 min

- Easily scale-up or scale-out your database tier
- Right size systems for data growth
- Increase compute power during usage peaks



 $40 - 60 \, \text{min}$

- Turn standalone systems into clusters
- Choose high availability from 99.5% (cost neutral) to 99.99%
- Adjust high availability setup following business seasons

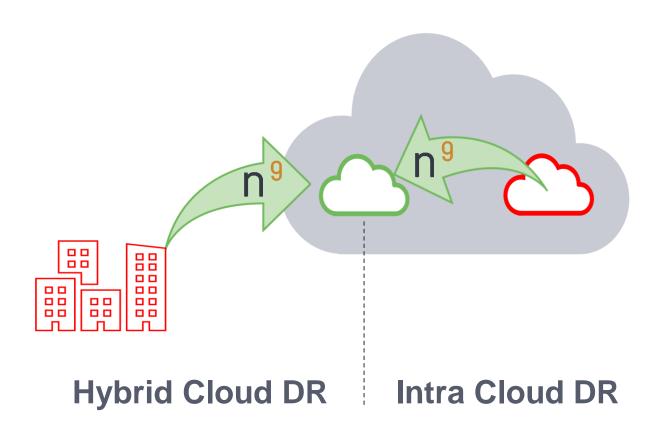






Increasing Uptime & Business Continuity

Critical App Failure Cost: \$500k-\$1m per hour*



Disaster Recovery-as-a-Service

- Protect on premise and cloud environments
- Fast and simple recovery
 - 15 min Recovery Point Objective
 - 2 hour Recovery Time Objective
- 95% cost savings compared to traditional solutions

* Source: IDC Research

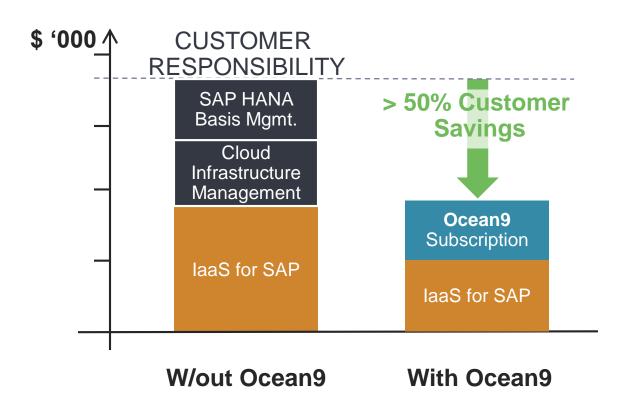






Reducing Cost

Enabling more Projects and Teams for Innovation



laaS cost optimization

- Rightsized system
- Cost optimal configuration
- No more idling systems
- Reduced system management effort
- Enable more projects







Unlimited flexibility for SAP HANA

Microsoft Azure provides Headroom to Grow

VIRTUAL MACHINES	SAP Solution	vCPUs	Memory	Local Storage	Availability
GS5: Intel® Xeon® processor E5 v3	OLAP	32	448 GB	6.4 TB	GA
M64ms: Intel® Xeon® E7-8890 v3	OLTP and OLAP	64	1.75 TB	2 TB	Coming Soon
M128s: Intel® Xeon® E7-8890 v3	OLTP and OLAP	128	2 TB	4 TB	Coming Soon
M128ms: Intel® Xeon® E7-8890 v3	OLTP	128	3.5 TB	4 TB	Coming Soon
SAP HANA LARGE INSTANCES	SAP Solution	Threads	Memory	Persistent Storage	Availability
S72: 2 x Intel® Xeon® Processor E7-8890 v3	OLTP and OLAP	72	768 GB	3 TB	GA

SAP Solution	Threads	Memory	Persistent Storage	Availability
OLTP and OLAP	72	768 GB	3 TB	GA
OLTP	72	1.5 TB	6 TB	GA
OLTP and OLAP	192	2 TB	8 TB	GA
OLTP	192	4 TB	16 TB	GA
OLTP and OLAP	384	4 TB	16 TB	Coming Soon
OLTP	384	6 TB	24 TB	Coming Soon
OLTP	384	8 TB	32 TB	Coming Soon
OLTP	576	12 TB	48 TB	Coming Soon
OLTP	768	16 TB	64 TB	Coming Soon
OLTP	920	20 TB	80 TB	Coming Soon
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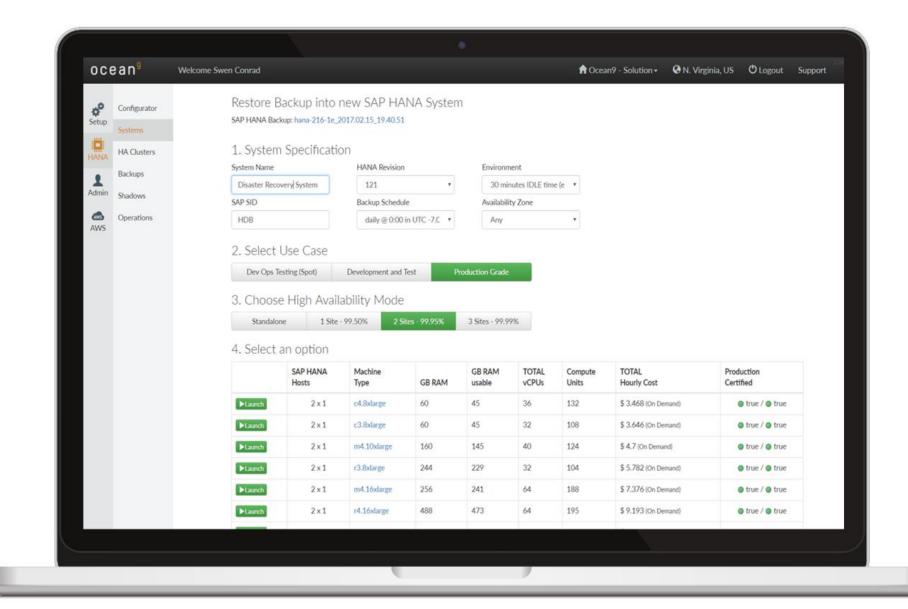






DEMO

- DRaaS Scenario
- On-prem to cloud
- Recovery in under 20min







Ocean9 Cloud Services

Complete Solutions without Customer Lock-In

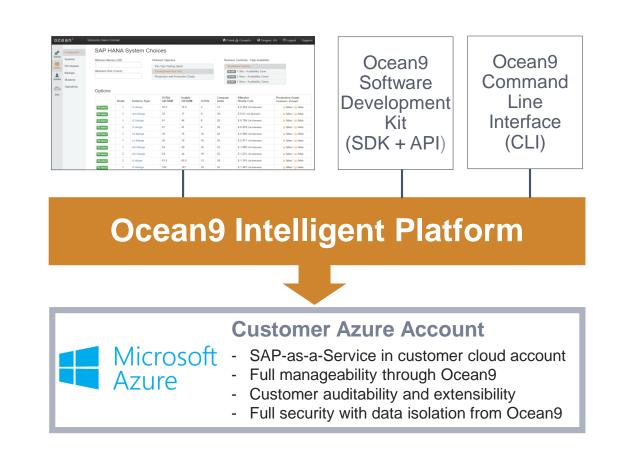
Service Definition & Management powered by Ocean9



"White Box" Execution



System Configurations in **Customer Cloud Account**









Enabling and Securing Digital Business

Ocean9 Builds a Bridge to the Azure Cloud

De-risk

Accelerate

Grow

DR-as-a-Service and **Backup-as-a-Service**

- Simple installation and operation
- Highly cost effective and fully secure

Innovation-as-a-Service

- Deploy innovation systems for development and test in minutes
- Pay as you go with hourly or monthly subscriptions

SAP-as-a-Service

- Reap the full cloud benefit and grow your digital business
- Available through your preferred SAP consulting or hosting partner





































































Rockwell Automation runs SAP HANA on Azure to realize its vision for the connected enterprise and advanced data analytics

"Azure provides us the scalability, security, and level of services needed to confidently run our most demanding SAP HANA and Big Data applications."

Sujeet Chand, Senior VP and CTO



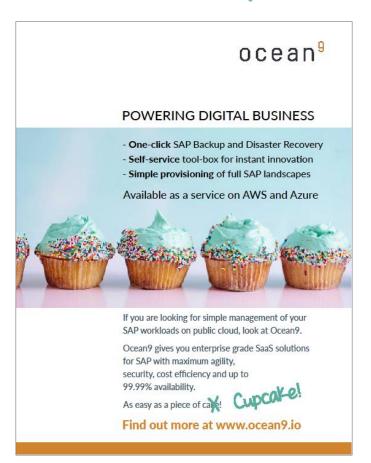


"We realized that our future lay in the smart use of data, to create more intelligent manufacturing processes, to reduce manufacturing costs, and to provide more innovative ways to meet customer needs. By speeding up SAP, we've been able to speed up the whole business. When you can speed order processing from hours to minutes, you can accelerate ordering, increase plant productivity, and improve shipment times."

Richard Cammish, CIO



Ocean9 Summary Piece of cake cupcate!



- The Enterprise Class "Easy Button" Solution
- Increased Performance and Uptime at Reduced Cost
- Making SAP and Business truly Agile





High Value Pilot Offer







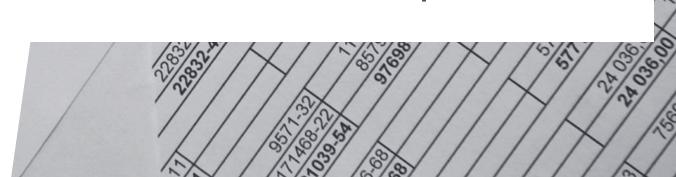


In-person or Virtual Session

See if you qualify for one of three customized pilots

Agenda:

- Architecture Design Session
- **Analysis of Your SAP Landscape**
- **Best Practices for SAP on Azure**
- SAP on Azure Systems Architecture
- Ocean9 DR-as-a-Service and SAP HANA as-a-Service trial subscription



Please join next week's Webinar

Thursday June 1, 10 AM Pacific



Meet Ocean9 at Cloud Expo in New York June 6-8, 2017 – Free Ocean9 guest passes

- 1. Go to the special registration page
- 2. Fill out the Attendee Information form
- 3. Select the VIP Gold Pass Registration Option (located on page 3 "Registration Plan")
- 4. Enter the Discount Code: FacultyGuest
- 5. The price will re-set to \$0

ocean

powering digital business



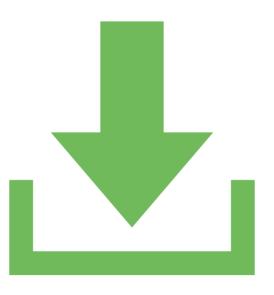


Thank you

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