DATA SHEET

ocean9

Use Cases

SAP HANA

- S/4HANA
- BW/4HANA
- Business Suite
- Business Warehouse
- Data mart
- Native applications

WINDOWS

- File systems
- Virtual machines

Features

One-click recovery

Recover your complete SAP landscape including database and application servers with a single click.

Hybrid multi-cloud

Backup and recover from on premise to cloud, cloud to cloud, and back.

Data compression

Ocean9 optimizes network traffic and reduces backup size between 25-35%.

Dev & Test systems

Building on-demand dev and test systems of any size and configuration is just as easy as building a recovery system. And it is part of the solution.

Ocean9 Horizon – Cloud Disaster Recovery as-a-Service for SAP

Many SAP customers are migrating to SAP HANA based solutions and are building their mission critical digital transformation initiatives like smart stores or IoT around them. Yet, most SAP HANA implementations are not protected against disaster. because of complexity and high investment cost. Ocean9 Horizon for SAP is the ideal solution to address these issues in an effective and efficient way.

Ocean9 Difference

Secure data transmission and storage
Data encryption at rest and in motion for backing up your sensitive company data to the cloud ensures the highest level of security. Precise network definitions for network routes and ports, a strict authorization model with customer-defined policies, and an audit trail for all executed operations add another layer of security.

A simple “one-click” disaster recovery process
Ocean9 Horizon provides an extremely simple recovery process for your SAP landscape; it literally takes one step. This simplicity also enables frequent automated DR testing so are prepared for the worst case.

Production grade failover systems
Ocean9 deploys SAP clean cloud installations during the recovery process with the ability to select the SAP release version, operating system version, and number of cluster sites for database high availability.
What’s more, the failover system will again be protected against disaster in case of rolling disasters.

Ocean9 Limits your Risk Exposure

Critical application failures can cost in the range of $500k-$1m per hour.

7 out of 10 small firms that experience a major data loss go out of business within a year.

Key Components

Ocean9 Console

Intuitive browser based interface for managing, monitoring and recovering your complete enterprise environments.

Ocean9 Agent

Lightweight and secure software enabling on premise to cloud connectivity.

The agent uses latest encryption and end-point acceleration and does not require the installation of any additional hardware.

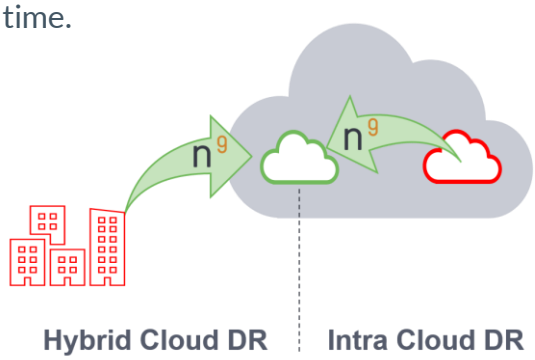
Public Cloud

Leverage leading hyper-scale clouds with the choice of Microsoft AZURE and Amazon Web Services.

Enjoy equal cloud native capabilities and performance on both clouds. Easily relocate your backups and target recovery locations with a single setting.

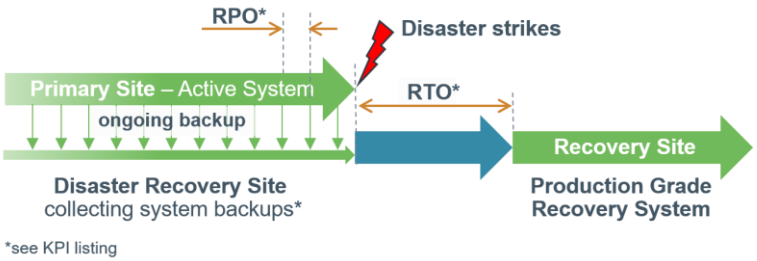
Protect On Premise and Cloud Systems

Ocean9 protects both your existing on premise and SAP cloud environments. The capabilities, performance and user experience are identical across hybrid and intra cloud scenarios. The result: No lock-in and the ability to relocate backups, recovery targets and actual systems at any time.



Leading Recovery Point and Time Objectives

Ocean9 allows you to do full and incremental SAP system backups to the cloud as a basis for DR. A typical setup will rely on a daily or weekly full backup and incremental backups every few minutes per your database size, network bandwidth and requirements.



95% Cost Savings versus Traditional Setup

With up to 95% cost savings over traditional disaster recovery solutions, Ocean9 provides an affordable and reliable insurance to its customers. On top, you benefit from a streamlined setup, easy mock disaster testing, and eleven 9's of availability of the underlying backup architecture.
What does this mean for your organization? – With the powerful Ocean9 automation you will successfully recover when needed and without the dependence on highly trained experts.

Process steps

Recovery definition

1. Choose SAP revision
2. Choose Operating System release
3. Choose backup schedule
4. Choose high availability setting from 1 – 3 sites
5. Select target system and “click-once” to deploy …

… and Ocean9 recovers in two steps

6. Provision target cloud infrastructure and SAP systems
7. Restore last backup

NOTE: Step 1 – 4 can be skipped when defaulted

Key monitoring parameters

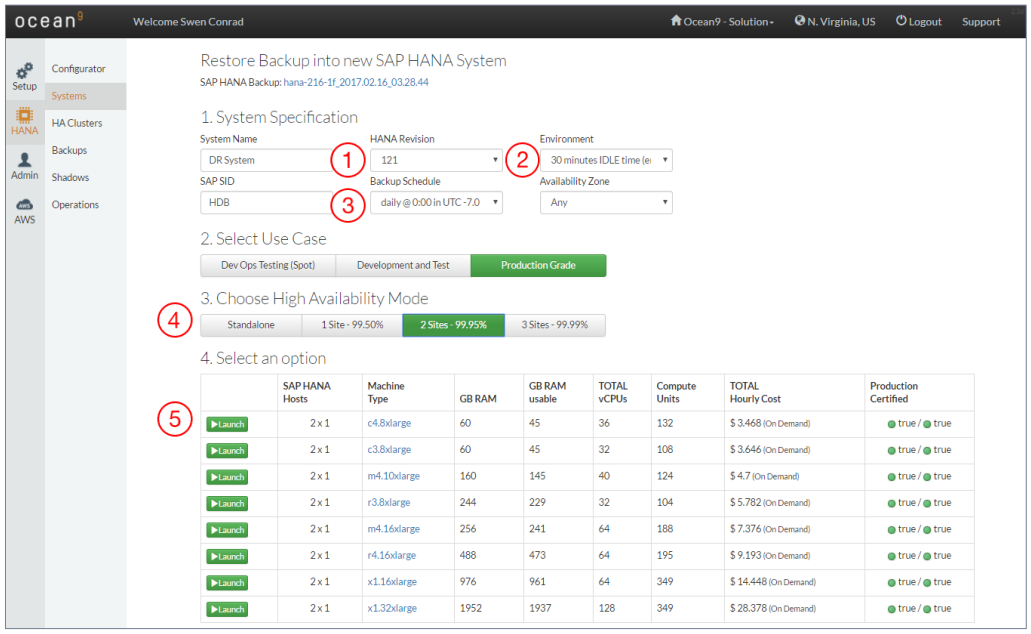
Summary metric

- HANA Health Score

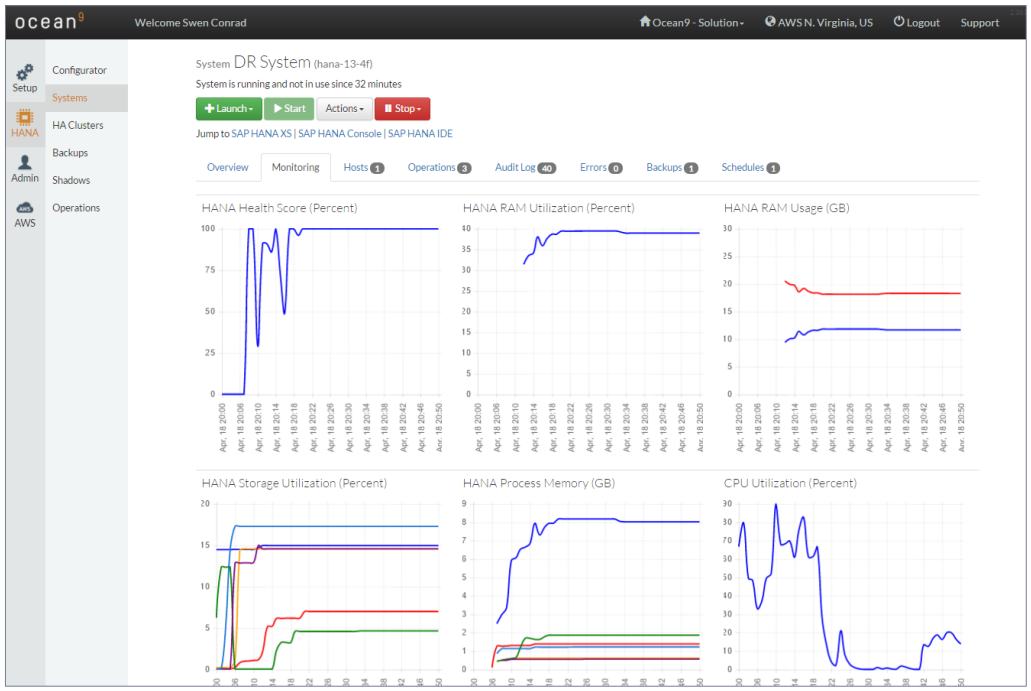
Detailed metrics

- HANA RAM Utilization
- HANA RAM Usage
- HANA Connections Count
- HANA Process Memory
- CPU Utilization
- HANA Process Count
- Inbound Net Traffic
- Outbound Net Traffic

Ocean9 Console: Backup based Recovery



Ocean9 Console: SAP Uptime Monitoring



Contact

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Info

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Ocean9 Horizon Solution Facts

CRITERIA	DESCRIPTION
Approach	Backup based disaster recovery as-a-Service (DRaaS)
Licensing	Subscription model for cloud infrastructure and Ocean9 Horizon
Scenarios	• Hybrid Cloud: On-premise to cloud • Intra Cloud: Between cloud regions and vendors
Supported Solutions	• Recovery of all SAP HANA solutions incl. S/4, BW/4, SoH • Recovery of Windows file systems and virtual machines
Supported clouds	• Amazon Web Services • Microsoft Azure
Supported cloud regions	All supported regions per cloud provider
RPO	Driven by SAP HANA log backup frequency: • SAP factory default: every 15 min • Can be adjusted in SAP HANA Studio: Log Backup Settings: Backup Interval • Log backup interval of 5 - 10 minutes are optional
RTO	• Less than 2 hours • Elapsed time depends on data volume • Two phases: 1. Provision production grade SAP HANA system: < 20 minutes 2. Restore backup: varies • Ocean9 reference dataset with 1.2 billion rows of data meets RTO of 20 minutes
Backup durability	99.999999999% (eleven 9's)
Data encryption	At rest and in motion
Data compression	Yes, between 25 - 35%