OneCloud Recovery
for Amazon AWS

Today's enterprises are facing exponential growth in data and applications under management, which makes traditional disaster recovery (DR) programs difficult to maintain and prohibitively expensive. With legacy DR architectures requiring complex and costly redundant data center infrastructure, the public cloud's DR potential is very appealing. The Amazon AWS public cloud is a powerful platform, with literally thousands of provisioning options for building a virtual cloud infrastructure. OneCloud Software's (OCS) Recovery offering was architected from the ground up to build best-practices and cost-optimization into the use of AWS as a secure enterprise data center extension for DR.

Secure bridge between VMware and AWS

"OCS Recovery reduces the cost of DR by 50% or more when compared against alternative approaches."

Automated Cloud Engine™

With its patented Automated Cloud Engine (ACE), OCS Recovery reduces the cost of DR by 50% or more when compared against alternative approaches.

1. Automation — Automates the creation of a replica data center in the Cloud
2. Policy Engine — Applies business value RTO/RPO for all data and applications
3. Cost Optimized Architecture — Best-practices designed into the product core

### Automated Disaster Recovery

OCS Recovery automates the traditionally complex setup, management, test and execution of DR.
• Auto-discovers core elements of your VMware environment, including virtual machines, data stores, network details, and other key meta data

• Executes customer-configured RPO/RTO policies associated with individual virtual machines or protection groups
• Provides a means for non-disruptive, automated testing of your protected applications
• Provides comprehensive failover options for full or partial site failures, simplifying your ability to recover applications in AWS
• Protects your applications while running in AWS in a failover state
• Efficient fail-back that only moves delta data out of AWS to your primary site

Optimized for Cost

OCS Recovery has built cost-optimization of the public cloud directly into the solution architecture, such as the use of compute resources, networking and storage tiers. By adjusting RPO/RTO settings for protected applications, SLAs are met at the lowest possible cost.
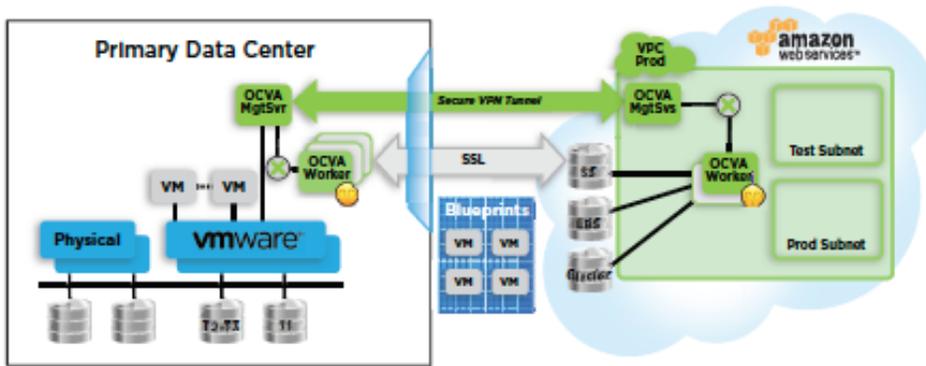
Six Steps to DR Protection

1. Deploy OneCloud Virtual Appliance (OCVA)
2. User credentials input for vCenter and the AWS account
3. OCS Recovery auto-builds a secure network bridge to AWS
4. Virtual Private Cloud (VPC) auto-created in AWS, with OCVA deployed
5. Primary site infrastructure auto-discovered and blueprinted
6. OCS Recovery ready to initiate DR protection!

OneCloud Recovery
Key Features and Specifications

Automation

1. Auto discovery of primary data center infrastructure
2. Auto deployment of a virtual data center in the cloud
3. Auto create a secure network bridge from your primary data center to the cloud
4. Automated protection of the targeted primary data center infrastructure into the virtual data center in AWS
5. Automated cloud based data center recovery (failover and failback)

Security & Control

1. Encrypted data in flight and at rest
2. Policy based RPO/RTO for DR
3. Cloud account and key access accessible only by customer
4. Leverages security native to AWS Virtual Private Cloud (VPC)

5. Non-disruptive test scenarios
6. Network bandwidth throttling controls
7. Configurable storage retention policies
8. Provides both failover and failback capabilities
9. Auditing reporting, alerting, and monitoring
10. Single point of management

Cost Efficiency

1. Cost engineered for cloud economics
2. Agentless infrastructure
3. Auto scaling of OCVAs
4. Thin provisioned virtual data center
5. Intelligent data optimization and tiering
6. Efficient use of network bandwidth
7. Granular restore

Summary

OneCloud Software simply and cost effectively unlocks the power of the public cloud as a secure enterprise data center extension for disaster recovery and business continuity.

LEARN MORE AT:
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