

# SUPERNA EYEGLASS ON VMWARE CLOUD ON AWS

Transforming Businesses with an Integrated and Hybrid Approach to Cloud Workloads

## Cluster Witness and DR Monitoring of On-Premise Storage

Cloud resources offer more than just another location to run workloads. Customers with hybrid cloud workloads and on-premises storage and applications, need to build a highly resilient architecture. A 3rd location with diverse networking to production data centers addresses the failings of a 2 site architecture when designing stretch cluster solution. The VMware Cloud on AWS platform offers customers a 3<sup>rd</sup> site to monitor their on-premise workloads to increase availability.

Many customers in industries such as financial or healthcare must comply with PCI and HIPAA compliance regulations. These regulations require customers to demonstrate that Disaster Recovery plans are in place to protect data. Storage devices configured for Disaster Recovery cannot monitor themselves independently without a 3<sup>rd</sup> site. Customers with only 2 physical data center locations have no tie breaker mechanism to avoid split brain scenario. In many cases, the cost of a 3rd data center to provide high availability of workloads is financially out of reach for most customers.

## How Superna Eyeglass + VMware Cloud on AWS Address this Problem

Superna Eyeglass with VMware Cloud on AWS introduces a cost-effective solution to increase reliability and simplify critical infrastructure monitoring with VMware SDDC running in an AWS cloud. Customers gain access to a highly resilient 3<sup>rd</sup> site to monitor their on-premise applications and storage and initiate failover and failback operations with Superna Eyeglass DR Manager for Dell EMC Isilon Storage. Customers can vMotion their existing on-premise Eyeglass appliance to VMware Cloud on AWS and simplify and increase their storage availability.

VMware Cloud on AWS enables customers to run, manage and secure applications in a production-ready, simple and consistent hybrid IT environment. The service enables organizations to continue using existing VMware tools to manage VMware Cloud on AWS environments without having to purchase custom hardware, rewrite applications, or modify their operating model. With access to the broad range of AWS services, and the functionality, elasticity, and security customers have come to expect from the AWS Cloud, the service lays the foundation to run, manage and secure production applications across vSphere®-based private, public and hybrid cloud environments with access to innovative AWS services.

## VMware Cloud on AWS Key Benefits

- Unified and operationally consistent hybrid cloud experience across vSphere-based private clouds and VMware Cloud on AWS

Bringing together best-of-breed technologies and capabilities that create a seamless and flexible hybrid cloud future for customers, VMware and AWS enable services that easily grow and evolve as enterprise needs change. Whether expanding services on-premises or in the public cloud, the VMware Cloud on AWS eliminates the need to make changes to operating models or architectures. The result is the most flexible approach to evolving enterprise cloud strategies to keep pace with digital transformation. driving business environments.

## PARTNER SOLUTION BENEFITS

- 100% compatible with VMware Cloud on AWS
- Validated solution on VMware Cloud on AWS
- Increases application and storage availability
- Reduces costs of a 3<sup>rd</sup> data center
- Simplified migration from on-premises to cloud using VMware vMotion
- Ensures compliance with PCI and HIPAA

## LEARN MORE

To learn more about this solution please visit the [VMware Solutions exchange](https://www.vmware.com/solutions/exchange).

<https://www.supernaeyeglass.com>

- Workload portability and flexible consumption options with single support owner and attractive TCO
- Familiar management tools eliminate the need to retrain staff (vCenter, vSphere API, PowerCLI and modern HTML5-based vSphere Client)
- VMware-delivered service creates zero lifecycle management while enabling customers to retain control of application management and operation
- Lays the foundation for integration of 3<sup>rd</sup> party tools from leading ecosystem partners

## Superna Eyeglass Solution Overview

Superna Eyeglass is a virtual appliance based on VMware OVF virtual machine format. Existing Eyeglass customers or new customers can easily move their appliance to VMware Cloud on AWS using vMotion features of vCenter to easily enable a highly resilient cluster witness solution.

Superna Eyeglass monitors the on-premises Dell EMC Isilon clusters health and executes a daily DR test that validates that data access is possible to both customer data centers. DR automation within Eyeglass simplifies the failover process to ensure applications and users can access data in the event of a disaster, quickly and easily.

High level deployment with the Witness site running in VMware Cloud on AWS:

The data replication runs between Customer production site and the customer DR Site using Dell EMC SyncIQ replication protocol between Isilon clusters. The production and DR sites are monitored remotely from VMware Cloud on AWS cluster witness Eyeglass virtual appliance. All DR automation and monitoring is outside the application fault domain within the customers data centers. This increases overall system availability of the customers applications and workflows by using a 3<sup>rd</sup> site to act as a cluster witness.

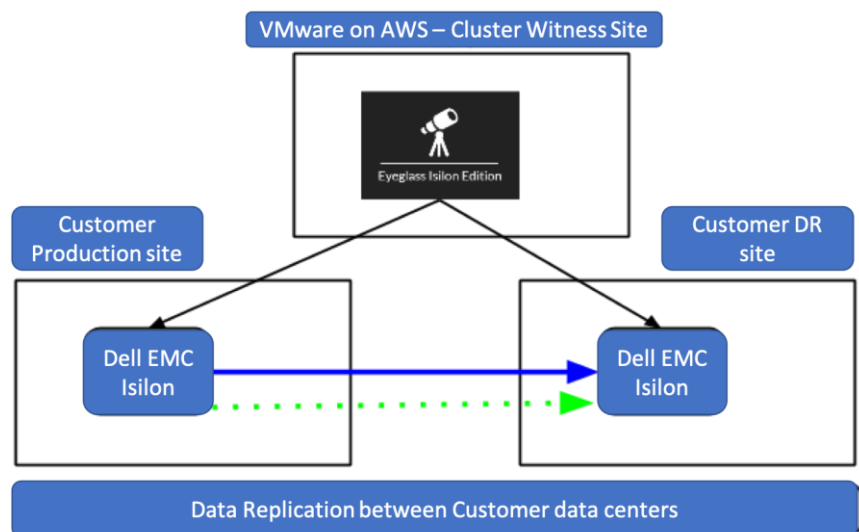


Figure 1: Superna Eyeglass Deployment Architecture with VMware Cloud on AWS