

SUREedge® DISASTER RECOVERY

DR with secure data replication and central management

SUREedge Disaster Recovery (DR) from Sureline delivers enterprise-class business continuity with WAN-optimized active-active replication, global deduplication, compression, and encryption, as well as immediate recovery in Cloud or at Remote site, as required. With SUREedge DR, IT managers can securely and quickly protect all applications, operating systems, containers, data, etc., replicating from any physical or virtual server to any target Cloud or Remote site platform. A central management console and agentless architecture lower operational expenditures (OpEx) for an efficient and cost effective DR solution.

SUREedge uses a snapshot when capturing a Recovery point to ensure that when a failover occurs, a full consistent image is recovered. Recovery points can be used to restore an application/server to any previous captured point-in-time, to achieve superior RPOs. DR Plans can be tested often to ensure confidence and speed of execution if a disaster should occur.

Depending on RTO objectives, SUREedge has two modes:

- a. **Instant Recovery Copy:** These are pre-built, ready-to-boot, VM images with the most recent updates available for Instant Recovery. The RTO for these systems are at the click of a button.
- b. **On-Demand Copy:** These are VM images kept in deduplicated and encrypted storage only, to reduce storage and compute consumption. The VMs will be created upon DR initiation. The RTO for these systems can vary from a few minutes to a few hours depending upon the size of the VM and associated data. This is the most cost effective solution for systems that do not have stringent RTOs.

KEY BENEFITS AND FEATURES

Lower OpEx	<ul style="list-style-type: none"> Agentless architecture for ease of installation and maintenance Central management for multiple sites and Clouds from a single pane of glass Job scheduling and automated alerts
High Performance	<ul style="list-style-type: none"> WAN throttling algorithms Global deduplicated and compressed data replication Snapshot block-level replication
Secure	<ul style="list-style-type: none"> Advanced point-to-point security Military grade encryption during data transit and at rest
Enterprise-strength	<ul style="list-style-type: none"> Support any cloud, hypervisor and hardware with customized support for commonly used applications* Automated recovery between similar and dissimilar environments

* **ENGINEERED SOLUTIONS** – To speed up replication and recovery, we have custom-built processes for the most commonly used complex environments:

- | | | |
|-------------------|---------------------------|-------------------|
| • Amazon AWS | • IBM SoftLayer | • VMware |
| • Microsoft Azure | • KVM | • Windows |
| • CenturyLink | • Nutanix AHV (Acropolis) | • Windows Hyper-V |
| • Google Cloud | • OpenStack | • Linux |

SUREedge Sunshine quickly seeds large amounts of data (100+ TB) to initiate DR via a secure, transportable hardware appliance, followed by secured incremental updates over the WAN.



Sureline customer Frontier Network states, "With the replication to the cloud and secure availability for a recovery in the cloud, I consistently saw a significant amount of confidence in my clients when it came to data security."

– Gary Cooper

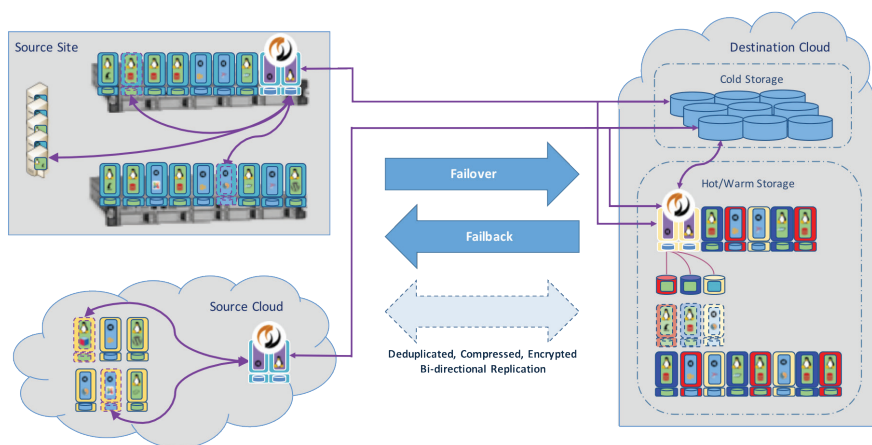
Consulting Partner,
Frontier Networking

SURELINE DISASTER RECOVERY

- To and from dissimilar virtual environments, clouds, or physical servers
- Automated replication scheduling and alerts for lower OpEx
- Without consuming hardware resources at the DR site except during DR testing or failover
- Immediate recovery to a new and often different environment
- Bi-directional replication

HIGH PERFORMANCE WITH CENTRAL MANAGEMENT

SUREedge DR captures application consistent images from any Cloud, and physical or virtual server. These point-in-time images are then replicated, after efficient bi-directional global deduplication, compression and encryption, to a remote site or Cloud. An intuitive central management console provides easy job scheduling and tracking, with alerts provided should an issue arise. Jobs



are easy to monitor on the central dashboard (see figure 1) with a drill down option to see job details (see figure 2).

OS, VM, CONTAINER AND CLOUD SUPPORT**

Linux: Ubuntu, Red Hat, OpenStack, CentOS, Debian Linux

Microsoft Windows Server: 2003, 2008, 2012 (32/64 bit, including R2)

Virtualized: VMware (5.1 and above), Hyper-V (2008 and above), OpenStack, KVM, AHV (Nutanix)

Clouds: Microsoft Azure, Amazon AWS, Google Cloud, IBM SoftLayer, CenturyLink

** Refer to the Sureline website for the latest OS and VM support

ABOUT SURELINE SYSTEMS

Sureline Systems is a leader in enterprise-class virtual, cloud, physical, and container migration and disaster recovery solutions for application mobility. Sureline's award winning SUREedge® is a proven enterprise-class software solution for Cloud Migration, Cloud Disaster Recovery, Data Center Consolidation and Application Mobility. SUREedge reduces risk through secure data transmission, efficient data transfer, and reliable movement of the entire application, its data and interdependencies. It is easy-to-deploy and manage through a single UI, with automated discovery, no agents to install, and is completely non-disruptive. SUREedge is source and destination agnostic working to/from any physical server, any hypervisor (including hyperconverged infrastructures), any cloud, and any storage. Customers worldwide trust SUREedge to meet their workload migration, disaster recovery and business continuity and application mobility objectives. Sureline is headquartered in San Jose, CA., and its products and services are available through a global network of partners. © 2017 Sureline Systems, Inc. All rights reserved.

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