

## DATASHEET

# SUREEDGE® DR

Secure, reliable and efficient application protection to cloud, hyper-converged infrastructure and other transformative data center architectures.

SUREedge Disaster Recovery (DR) allows enterprises to achieve application mobility and data protection without any constraints to achieve business resilience. It is built on patented technologies and provides WAN-optimized replication, global deduplication, compression, and military-grade encryption, as well as immediate recovery in Cloud or at the Remote site, as required. With SUREedge DR, IT managers can securely and quickly protect all applications, operating systems, containers, databases, data, etc., in a hybrid and multi-cloud infrastructure.

Depending on RTO objectives, SUREedge has three recovery 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 very low and can be triggered 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 a cost effective solution for systems that do not have very low RTOs.

**c. Cold:** These are deduplicated, compressed and encrypted chunks that are kept in a cloud storage bucket to drastically reduce storage and compute consumption. To initiate a DR recovery, a SUREedge DR instance has to be deployed and the VMs created from the data residing in the cloud storage bucket. The RTO for these systems can vary from 10s of 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 very low RTOs.

*“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*

## LOWER OPEX

- Ease of installation and simple 3-step workflow
- Central management for multiple sites and Clouds from a single pane of glass
- Automated Job scheduling, monitoring and alerts

## HIGH PERFORMANCE

- WAN optimized algorithms
- Globally deduplicated and compressed data replication
- Application consistent snapshot-based replication

## SECURE

- Advanced point-to-point security
- Military grade encryption during data transit and at rest

## ENTERPRISE STRENGTH

- 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:



SUREedge Appliance 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.

## Functionality

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.



## Key Features

- 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

## Support Matrix

- **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

Note: Refer to the Persistent website for the latest details.

## About Persistent

With over 13,500 employees around the world, Persistent Systems (BSE & NSE: PERSISTENT) is a global services and solutions company delivering Digital Engineering and Enterprise Modernization.

### Contact Details

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