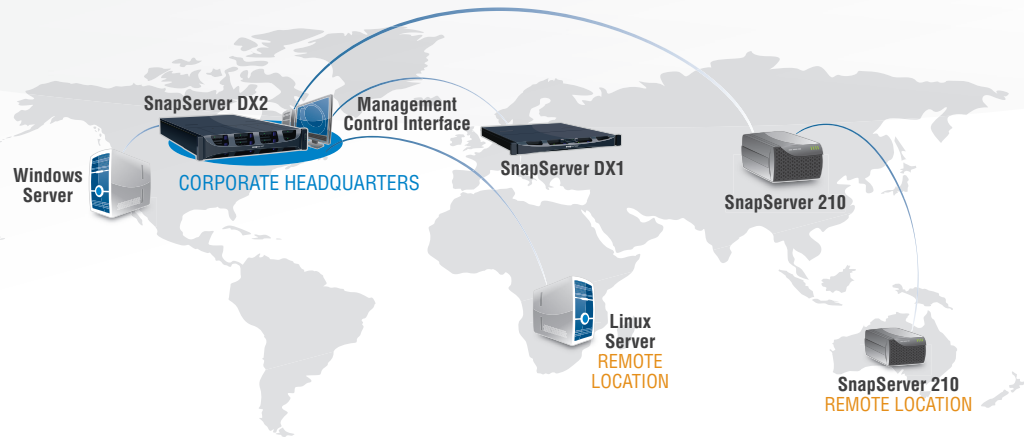# Snap Enterprise Data Replicator (Snap EDR™)

Replicate Data Efficiently and Securely

With the increase of data distributed across the enterprise, IT Managers face the task of consolidating and protecting local and remote data from loss. Traditional backup cannot always protect against disaster; ideally data must be moved off-site, and must be instantly available to any global access point.

Snap Enterprise Data Replicator (Snap EDR), a high performance data replication solution with the industry's most comprehensive set of data management and security-capable disaster recovery tools. Built around that core solution, Snap EDR is an enterprise-class management, configuration, and reporting platform for building simple or complex remote data management solutions for even the largest organizations. With its simple, intuitive deployment and interface, Snap EDR is the ideal replication solution for enterprise data protection whenever and wherever you need it.

SnapServer DX2
Management Control Interface
Windows Server
CORPORATE HEADQUARTERS
SnapServer DX1
SnapServer 210
Linux Server
REMOTE LOCATION
SnapServer 210
REMOTE LOCATION

Capabilities

Security
- Strong authentication between replication hosts utilizing digital certificates
- Provides proof of delivery with a full audit trail
- Data Encryption – User-selectable over-the-wire encryption up to 256-bit

Heterogeneous Support
- Replicate data between SnapServers®, Windows, Linux, UNIX and Mac OS X servers
- Move files seamlessly between OS platform types and preserve file attributes
- Eliminate the need for multiple backup software packages and interfaces

Ease of Use
- SnapServer GuardianOS® Web Management Interface with step by step configuration
- Performance monitoring and statistics reporting for replication optimization
- Real time dashboard views for overall management of system wide replication jobs

Flexible Options
- Select Snap EDR Professional for one-to-one or one-to-many replication
- Choose Snap EDR Express to replicate between two SnapServers (one-to-one) for simple backup and disaster recovery
- Multi OS license available for non-SnapServer platforms

Replication, Aggregation and Distribution

With flexible data movement options, Snap EDR can replicate data in small offices or large distributed environments. Send files between two SnapServers with the simple replication tool. Aggregate files from multiple servers at remote locations back to a corporate datacenter. Or distribute files from headquarters out to multiple field offices. Whichever type of data movement your environment needs, Snap EDR can handle the task.

Centralized Control

Maintain thousands of replication jobs using a single SnapServer running the Snap EDR management console. This intuitive, browser-based graphical user interface provides step-by-step data management and job monitoring and control. Snap EDR provides administrators with visibility and flexibility in the most complex environments with tools such as statistical reporting and dashboard based performance overviews.

Consolidated Backup

Simplify data protection at remote locations by utilizing the consolidated backup feature of Snap EDR. Consolidate backup images to a centralized location for instant online access and recovery of files. With centralized management, backup processes are automated, reducing the dependency on remote staff for backup and recovery, all while maintaining file attributes and permissions.

Network Efficiency

Snap EDR is optimized for low-bandwidth Internet connections, giving IT administrators configurable options to increase replication speed and ensure files are moved to disaster recovery sites. With the combination of bandwidth throttling, compression and byte-level incremental file transfers, Snap EDR prepares any type of data for efficient remote replication.

Highlights

- Heterogeneous data replication between GuardianOS, Windows, Linux, UNIX and Macintosh Servers
- Byte-level incremental replication, bandwidth throttling, compression and encryption
- Dashboard Overview and Reporting Capability

- Synchronize, Aggregate or Distribute files between servers
- SnapServer GuardianOS GUI Integration
- Mutual Authentication and Authorization
- VMWare Support

Specifications

Required Components	One GuardianOS-based SnapServer running GuardianOS 5.0 or higher is required for the Snap EDR Management Console to configure and manage the Snap EDR jobs and maintain the job logs. At least one source server and one or more SnapServer NAS system or Application Servers. Two or more licensed copies of Snap EDR software (each Snap EDR Agent requires a unique license). Standard IP network access with one of the following web browsers: Internet Explorer 5.5 or greater, Netscape Navigator 6.1 or greater.
SnapServer Models Supported	Current SnapServer® NAS DX2, DX1, N2000, and 210 systems; and legacy SnapServer NAS 18000, 15000, 14000, 650, 620, 550, 520, 510, 410, 4500, 4200 and 110 systems.
Application Server Operating System Support	Apple Max OS X, Solaris 8, 9, 10 SPARC; RedHat Enterprise Linux .x, 5.x; SuSE Linux Enterprise Server 10.x; Windows 2000 Server (with SP4 or higher), Windows XP (with SP2 or higher), Windows 2003 Server, Windows 2003 R2 Server, Windows 2008 Server, Windows Vista.
System Memory	512MB of memory is suitable for most agent applications. For SnapServer NAS DX2, N2000, DX1 and 410 systems, which are capable of acting as management consoles, the minimum memory is 1GB (Note: SnapServer NAS fixed memory systems such as the 210, are not recommended as Snap EDR Management consoles. Depending on workload, the SnapServer running the SnapEDR Management Console may require additional memory).
Disk Space	Installation directory size for each Snap EDR agent should be at least 35MB.
Network Connection	Minimum: Gigabit Ethernet preferred.

With This Product You Can…

- Consolidate your data to a central SnapServer and/or distribute to multiple remote locations
- Protect your data in the event of a disaster and ensure that you are back up and running quickly

- Conveniently share data between your business locations – across the hall or across the globe
- Implement and manage Snap EDR directly through GuardianOS

Sales Offices

SEDR-DS0212-03