

# Snap Enterprise Data Replicator™ 7.2

## Enterprise-Class Remote Data Replication Software

### Snap EDR Standard and Express editions

Besides its people, a company's data is one of its most critical assets. Keeping that data stored, accessible and secure has become complex and expensive as companies are faced with massive data growth, increasingly stringent regulatory requirements and distributed environments that can range from across-the-hall to across-the-globe. Overland Storage® recognizes the need for businesses to do more—with less, and offers effortless data management and protection solutions. Snap Enterprise Data Replicator™ 7.2 is a powerful, high-performance data replication and protection solution with comprehensive data management, movement, and backup capabilities. With Snap EDR, the administrators can implement enterprise-wide data movement, backup, disaster recovery, and compliance operations from a single location.

### Fast and Efficient

Snap EDR employs file compression and network bandwidth throttling to minimize the impact on network resources during the replication process. For additional efficiency, only the byte-level changes since the last replication are replicated. When combined with high-performance GuardianOS-powered SnapServer NAS systems, Snap EDR is a cost-effective answer for distributed enterprises to easily move, manage, and protect distributed data.

### Support for Heterogeneous Environments

Snap EDR can manage movement between any combination of GuardianOS™ SnapServer NAS systems and Windows, Linux, Solaris, and MAC OSX servers. Not just a point solution, the Snap EDR management framework forms the basis for remote data control, movement, and backup anywhere throughout the enterprise. Only a single SnapServer NAS system is required in the environment to configure and manage the replication jobs and maintain job logs; your data moves securely between each server directly and independently.

### Consolidated Backup & Recovery

Included in Snap EDR Standard, consolidated backup and recovery functionality reduces backup costs by eliminating the need for tape and equipment at remote locations. Backup images are consolidated onto a central server for instant online access to the latest backup images. With centralized management, backup processes for remote sites are automated, reducing or eliminating the dependency on remote staff for backup and recovery. All the file attributes and permissions are retained for restoration.

### Powerful, Centralized Control & Reporting

The Snap EDR 7.2 browser-based administration interface, which can be accessed from anywhere on the network for global access, is designed for ease of use – with all the extra visibility and flexibility administrators want in a data management interface. Snap EDR 7.2 also improves data management, control, and monitoring through job statistics reporting.

### Flexible Offering: Snap EDR Standard and Express

There are two editions of Snap EDR: Standard and Express. The Standard Edition includes all functionality\*, including remote backup, as well as one-to-one, one-to-many and many-to-one replication. The Express Edition is a value-based replication-only suite for one-to-one replication between two SnapServer NAS systems management, control, and monitoring through job statistics reporting.



### Highlights

- Enhanced Performance
- Dashboard Overview
- GuardianOS™ User Interface Integration
- File Versioning
- Open File Support for Windows Clients
- Microsoft Windows Cluster Server Support
- Microsoft Windows Encrypted File System Support
- Agent Grouping
- Updated Heterogeneous Agent Support
- Flexible Offering of Snap EDR Standard and Snap EDR Express

\* Remote Backup functionality previously provided in Snap EDR Advanced v5.2.2, is now included in Snap EDR Standard v7.2.2.

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Features	How it Works	Benefit
<b>Ease of Use</b>	Intuitive installation and graphical interface provides step-by-step job configuration and management	Allows users to quickly move from learning to managing data
<b>Central Policy Management</b>	Centralized management console provides monitoring and notification, and allows for rules- based distribution and consolidation	Significantly increases control while lowering administrative cost of managing remote data replication
<b>Flexible Scheduling</b>	Replication is scheduled by day and time, with up-to-the-minute scheduling	Maximum flexibility for increased data protection
<b>Scalable</b>	Easily scales from one-to-one replication to one-to-one thousand data distribution	Solution grows with your enterprise
<b>Multiple Platform Support</b>	Protects heterogeneous servers (Snap Server, Windows, Linux, Mac)	Eliminates the need for separate solutions to address multi-platform data protection needs
<b>Decentralized Data Movement</b>	Agents initiate the processes required to extract, preprocess, compress, encrypt, send, or receive data through authenticated links to agents on other nodes	Provides the intelligence and flexibility to keep pace with a dynamic operating environment by decentralizing the data movement
<b>One-to-One Replication</b>	One source server replicates and synchronizes data to one target server	Facilitates disaster recovery implementations
<b>One-to-Many Distribution</b>	One source server replicates and synchronizes data to multiple target servers simultaneously	Enables content distribution and data multicasting
<b>Many-to-One Aggregation</b>	Multiple source servers replicate data to a single server	Used for data consolidation, especially in backup and recovery scenarios
<b>Byte-Level Incremental Changes</b>	Replicates only changed bytes within files	Further reduces network traffic required to move data
<b>Data Compression</b>	Compresses data to improve network performance	Compression minimizes network traffic over slow networks
<b>Variable Bandwidth Throttling</b>	Network-aware bandwidth throttling is set using the actual speed of your network to handle high latency networks	Full control of limited network bandwidth avoids performance impact and costly network upgrades
<b>Tiered Security</b>	Combines data encryption with certificate authentication for data transfer	Ensures high security for transmitting sensitive data over public networks
<b>Certificate Authentication</b>	Strong authentication between hosts utilizing digital certificates	Guarantees data is only sent to authorized parties
<b>Certified Delivery</b>	Digital signature computed on each file	Provides absolute proof of delivery with a full audit trail
<b>Data Encryption</b>	Can employ up to 256-bit encryption, or disable encryption for improved performance over a LAN	Choose the level of security that's right for the data being transmitted



## Specifications

<b>Required Components</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• At least one source server and one or more SnapServer NAS system or Application Servers</li> <li>• Two or more licensed copies of Snap EDR software (each Snap EDR Agent requires a unique license)</li> <li>• Standard IP network access with one of the following web browsers: Internet Explorer 5.5 or greater; Netscape Navigator 6.1 or greater</li> </ul>
<b>Snap Server Models Supported</b>	<ul style="list-style-type: none"> <li>• Current SnapServer NAS 650, 620, 410, 210, 110 systems; and legacy SnapServer NAS 18000, 15000, 14000, 550, 520, 510, 4500, 4400, 4200 systems.</li> </ul>
<b>Application Server Operating System Support</b>	<ul style="list-style-type: none"> <li>• Apple Mac OS X; Solaris 8, 9, 10 SPARC; RedHat Enterprise Linux 4.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</li> </ul>
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 512 MB of memory will suffice for most Agent applications. For SnapServer NAS 410, 520, 620, or 650 systems, which are capable of being utilized as management consoles, the minimum memory is 1 GB (Note: SnapServer NAS 110 and 210 - fixed memory - systems are not recommended as Snap EDR Management Consoles. Snap EDR Management consoles require a minimum 1GB memory and, depending on workload, may also require additional memory)</li> </ul>
<b>Disk Space</b>	<ul style="list-style-type: none"> <li>• Installation Directory size for each agent should be at least 35 MB.</li> </ul>
<b>Network Connection</b>	<ul style="list-style-type: none"> <li>• Minimum 100 MB/s Ethernet Gigabit preferred.</li> </ul>



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