

GuardianOS™ v4.4

Enhanced Features Simplify Snap Server Setup, Configuration, and Management

Features

Data Migration Utility

Easily and reliably copy or move large amounts of data, including permissions, to a Snap Server

Command-Line Interface

Administer Snap Servers with a simple GUI or through a command-line interface

Print Server Support

Share USB printers connected to the Snap Server

Microsoft Windows Vista Support

Supports Windows Vista computers

USB Tape Drive Support

Enables direct usage of attached USB tape drives by BakBone NetVault or NDMP

Instant Capacity Expansion™ (I.C.E.)

Provides dynamic scaling to meet growing storage needs

Unified Storage Architecture

Offers simultaneous iSCSI (block) and NAS (file) support

Integrated BakBone NetVault WorkGroup Edition

Backup software with a 500GB virtual tape library license

Snap Enterprise Data Replicator

Family of enterprise-class data replication, management, and protection software

StorAssure Personal Edition

Automated backup for desktop and laptop systems

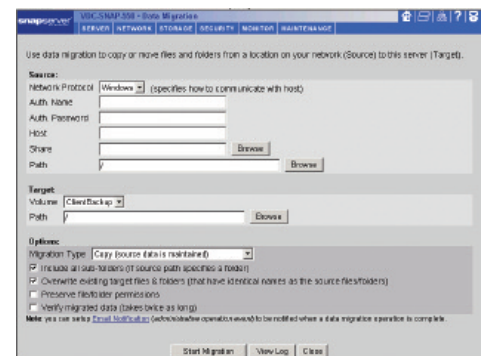
Exploding data growth is driving the demand for greater capacity and rapid access to stored information and is changing the nature of enterprise data management. As enterprises become more distributed, they face the increasing complexity of managing multiple data types across a broad range of applications. Traditional storage solutions complicate this problem by creating separate storage pools for block data and file data that are difficult to manage and back up. There has never been a greater need for enterprise-class storage solutions that can cost-effectively deliver capacity and access, and integrate all data types in a single, intelligently managed solution.

The award-winning GuardianOS by Adaptec has been specifically designed to deliver next-generation data management for the distributed enterprise. GuardianOS combines cross-platform file sharing with block-level data access on a single device to provide a simple and flexible solution ideal for any storage infrastructure. In addition to a unified storage architecture, GuardianOS offers seamless scalability, centralized storage management, and a comprehensive suite of data protection tools ideal for consolidating data and simplifying management to reduce storage total cost of ownership (TCO).

Version 4.4 of the award-winning GuardianOS delivers an enhanced feature set that includes:

Simplified data migration — Easily migrate or copy data, including security permissions, from any computer supporting CIFS or NFS file data to a Snap Server. Unlike drag-and-drop operations, this robust feature can reliably handle large amounts of data. Compare migrated data to the original to ensure accuracy, and then automatically delete the data on the source server. Data that can't be migrated is

logged, without slowing down the operation. Once the issue is solved on the source server, you can selectively migrate only the files that don't exist on the destination Snap Server.



Data Migration Utility

Print server support — Share multiple USB printers connected to the Snap Server with Windows, Mac, and Linux computers on the network. The Snap Server emulates both Windows and IPP print servers for broad compatibility. Centrally manage print jobs with the convenient GuardianOS interface.

Command-line interface — Now, you can choose your interface. Use the web-based graphical interface, or perform functions using a secure command-line shell.

Enhanced iSCSI support — Create up to 255 iSCSI LUNs and take advantage of support for iSCSI Qualified Names (IQN) that are compliant with the Storage Networking Industry Association (SNIA) specification.

New operating system and browser support — Snap Servers now support computers running Microsoft Windows Vista, and web-based administration through Internet Explorer 7 and FireFox 1.5 and 2.0 web browsers.

Enhanced disaster recovery — Recover data more quickly. Snap Enterprise Data Replicator (Snap EDR) Management Console settings are now backed up and restored as part of the Disaster Recovery feature in GuardianOS.

Enhanced Mac support — Easily connect Macs to Snap Servers. Macs connecting via the Apple File Protocol (AFP) can be authenticated as domain users. Mac OS X clients can also connect to a Snap Server via SMB networking instead of AFP.

Top Benefits of GuardianOS

1. Simplicity

Snap Servers are dedicated storage appliances specifically designed for ease of use. All hardware and software is integrated at the factory for a turnkey solution that is ready to go from the moment you turn it on. Because Snap Servers attach directly to the network and not to another server, they install in minutes and are easily deployed without application downtime. Award-winning browser-based management software allows Snap Servers to be easily administered from anywhere on the network.



2. Proven Reliability

Adaptec established its reputation as a leading provider of network attached storage by shipping robust solutions that continually exceed customers' expectations. The award-winning GuardianOS delivers a robust, journaling file system with integrated RAID data protection to provide a solid foundation for Snap Server storage solutions.

3. Security

GuardianOS provides system and data security features to protect valuable data. Integrated Computer Associates eTrust Antivirus software, Kerberos

authentication, Lightweight Directory Access Protocol (LDAP) and Challenge Handshake Authentication Protocol (CHAP) support, file and folder access control lists (ACLs), Secure Sockets Layer (SSLv3) and password-encrypted Secure Shell (SSH) are just a few of the features offered to maintain a safe, secure storage environment.

4. Manageability

Managing Snap Servers has never been easier. Snap Server Manager™ (SSM) is a platform-independent, multi-server administrative tool that provides a single console to discover, configure, and monitor Snap Servers throughout an enterprise. Snap Servers also support quota management and popular SNMP-based monitoring tools.

5. Ease of Integration

Snap Servers integrate seamlessly into any environment without having to reconfigure existing storage or bring down the network. Microsoft Active Directory Service (ADS) and UNIX Network Information Service (NIS) support leverages centralized databases to authenticate network users.

6. Heterogeneous

Heterogeneous file-sharing support for Windows, UNIX, Linux, and Macintosh platforms eliminates the need for individual native servers. Industry-standard iSCSI target support delivers block storage capacity to other servers over the Ethernet Network.

7. Industry-Leading Performance

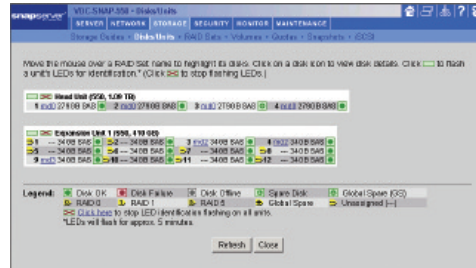
GuardianOS-powered Snap Servers perform significantly faster than comparable Windows-powered NAS offerings.

8. Unified Storage Architecture

By leveraging industry-standard iSCSI to deliver block and file data over existing Ethernet infrastructures, Snap Servers simplify management while avoiding the cost, complexity, and distance limitations inherent with SCSI and Fibre Channel. The GuardianOS iSCSI functionality supports most major initiator platforms and is also Microsoft Logo certified for optimal Microsoft compatibility.

9. Nondisruptive Scalability and Provisioning

Instant Capacity Expansion™ (I.C.E.) dynamically grows and provisions volumes when additional capacity is needed. Logical RAID groups can be combined for additional space at any time without disruption, and additional capacity is available immediately.



10. Comprehensive Data Protection

Snap Servers offer powerful backup choices to provide the ultimate in flexibility, integrating embedded BakBone NetVault software, and support for a variety of backup agents. It also supports optional desktop/laptop client backup with StorAssure Personal Edition and data replication capability using Snap EDR support, as well as NDMP. Snap Servers further complement their backup capability with embedded snapshot technology for point-in-time volume images.

Software	Part Number
Snap Server Manager license*	5325301955

*Control of individual server is include with GuardianOS Snap Servers, this license enables multi-server administration

adaptec®

691 South Milpitas Boulevard
Milpitas, CA 95035

888.343.7627 Tel
408.262.2533 Fax

Copyright 2007 Adaptec, Inc. All rights reserved. Adaptec, the Adaptec logo, Snap Appliance, the Snap Appliance logo, Snap Server, Snap Disk, GuardianOS, SnapOS, and Storage Manager are trademarks of Adaptec, Inc., which may be registered in some jurisdictions. Microsoft and Windows are registered trademarks of Microsoft Corporation, used under license. All other trademarks used are owned by their respective owners.

Information supplied by Adaptec, Inc., is believed to be accurate and reliable at the time of printing, but Adaptec, Inc., assumes no responsibility for any errors that may appear in this document. Adaptec, Inc., reserves the right, without notice, to make changes in product design or specifications. Information is subject to change without notice.

P/N: 986671-015 Printed in U.S.A. 05/07 3200_7.8