

SnapOS[™]

Defines High-Performance, Low-Cost Workgroup NAS

Features

Windows 2003 Support

Set Permissions for File and Folder Security

Simultaneous Windows, UNIX/Linux, Macintosh, and Novell Client Support

Disk Space Quotas

Fully Functioning FTP Server

Five-Minute Installation

The SnapOS by Adaptec operating system is a highly optimized, embedded operating system designed for a maximum-efficiency file-serving appliance. Built from the ground up as a NAS operating system, it allows high performance with less hardware and overhead than general-purpose operating systems. Most importantly, SnapOS provides the simplicity, ease-of-use, and award-winning system architecture that has shipped more Snap Servers than all other NAS devices — combined.

Ease of Use

Optimized especially for file serving, SnapOS is an ideal fit for home offices, small business networks, and remote or workgroup offices in large corporations with limited IT support. The most unskilled user can successfully install and maintain a secure file server.

- Browser-based graphical user interface
- Initial setup, RAID, and security wizards
- Context-sensitive security instructions
- Multilingual user interface

Manageability

- **Proactive** — Constant monitoring of hard drive health using SMART (Self-Monitoring and Reporting Technology) reporting allows warnings of potential disk problems.
- **Systemic** — SNMP support allows integration with major applications such as HP OpenView and CA Unicenter. Public and private community names may be configured and server names, locations, and contact people may be set. Host Resources information MIB with basic system statistics and information MIB-II are supported.

- **Intuitive** — Primary and secondary email addresses may also be configured to directly inform multiple people of an alert.
- **Automatic** — SnapOS supports a wide range of Snap Server hardware platforms and simplifies deployment by self-configuring features specific to platform (for example, RAID options are not made available for single-drive products).
- **Calculated** — Disk space quotas allow disk consumption levels to be limited and tracked for any user. Administrators can enable the default settings or specify alternate thresholds.

Security

SnapOS offers multiple levels of access control, from simple share-level all the way down to specific file and folder management. The browser-based user interface provides administrator access from any network location or client platform and handles the entire range of configuration requirements necessary for multiple protocols.

Active Directory Participation

In mixed-mode ADS domains, a Snap Server will function as a Windows NT 4 server. SnapOS can now participate in native Microsoft Windows 2000 and 2003 ADS environments by importing the lists of users and groups from an Active Directory server. Permissions can be set through the browser-based interface.

SnapOS Specifications

Network Transport Protocols

- TCP/IP
- UDP/IP
- AppleTalk
- IPX
- NetBEUI

Network File Protocols

- Microsoft Networks (CIFS/SMB)
- UNIX (NFS v2/3)
- Apple (AFP 2.0)
- Internet (HTTP 1.1)
- File Transport Protocol (FTP)

Network Client Types

- Windows: 95, 98, Me, NT 4.0, 2000, 2003, XP
- Macintosh: OS 8.x, 9.x, 10.x
- UNIX: Solaris 7, 8, 9; HP-UX 11; AIX 4.3.3, 5.x
- Linux: Red Hat Linux 7.x, 8.x, 9.x
- NetWare: Novell IntraNetWare clients for Windows; Microsoft NetWare clients

Server Emulation

- Windows 2000/2003*
- Windows NT 4.0
- AppleShare 6.0
- NFS v2/3
- FTP
- Novell NetWare 3.12 Bindery

Automatic IP Address Assignment

- Supports DHCP for automatic assignment of IP address

Network Security

- Microsoft Active Directory Service participation*
- Windows NT Domain (member server)
- File and Folder Access Control List (ACL) Security for Users and Groups *
- Secure Sockets Layer (SSL) v2/128-bit Encryption

System Management

- Browser-based User Interface for Remote Administration
- Assist Client-based Setup Utility
- SNMP (MIB II and Host Resource MIB)
- Disk Space Quotas
- SMART Disk Failure Analysis
- Email Notification Alerts
- Multilingual User Interfaces

Data Protection

- Optional StorAssure software available for Window client backup.
- Network Backup: Supports VERITAS Backup Exec, CA BrightStor ARCserve and Enterprise, Legato NetWorker, and Microsoft Backup Software for Windows 95, 98, Me, NT, 2000, 2003, XP.
- Compatible with Dantz Retrospect for Macintosh.

UPS

- APC brand UPS with Network Management Cards are supported for graceful system shutdown.

*Snap Servers can participate in a Windows 2000/2003 ADS environment. Participation includes support for NT LAN Manager (NTLM) protocol for authentication and importing of the user and group list. Access Control Lists (permissions) are settable only through the Snap Server web interface. Snap Servers do not support multiplexed users from a single client, such as Windows Terminal Services or Citrix® Metaframe

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