

Snap Server™ 4100

KEY FEATURES:

480GB Capacity

Simple, Cross-platform File Sharing for Your Network

RAID 0, 1, 5, 5 + Hot Swap

Slim 19" Rack Mountable Chassis

No User Licenses

Five-minute Installation

User-, Share- and File-level Security

Automatic Backup for Windows Clients

Robust, High-Density Network Storage that Installs in Minutes

At 480GB, the Snap Server 4100 from Snap Appliance is the ideal alternative to deploying a traditional large capacity file server. It delivers extraordinary reliability and compatibility with every major operating system and protocol. All this, and the Snap Server 4100 can install in only five minutes at a fraction of the cost for a traditional file server.

Reliability

The Snap Server 4100 offers maximum data protection with RAID 5 striping with parity (factory default) and RAID 1 mirroring. Efficient design of hardware and the maturity of the embedded SnapOS™ make the Snap Server extremely reliable and robust.

Unsurpassed Network Connectivity

The Snap Server 4100 automatically offers Windows, UNIX, Linux, NetWare, and Macintosh users transparent multi-platform file sharing from the moment you turn it on.

High Performance

Snap Servers have been engineered for one purpose: network file sharing. The Snap Server 4100 offers RAID 0 with true data striping performance and can easily support a department of 150 or more users.

Ease of Installation

Installing a Snap Server 4100 is quick, easy, and requires no network downtime. Simply plug in the power, connect the RJ-45 Ethernet cable and turn it on.



Low Total Cost of Ownership (TCO)

Snap Servers are self-contained, require no operating system licenses and are virtually maintenance-free after the initial installation and setup.

Workstation/Laptop Backup

The Snap Server 4100 relieves your laptop and desktop backup headaches. Free Symantec PowerQuest DataKeeper software (unlimited user license) provides constant backup of Windows files. Laptop files are backed up to local drives while disconnected from the network, then are automatically saved to the Snap Server 4100 when the laptop is reconnected to the network.

Software Distribution/Drive or Image Server

Snap Servers can archive and distribute Windows system images for individual file or complete bare metal restore using Symantec's PowerQuest V2i Protector. The optional S2S (Server-to-Server Synchronization) software allows Snap Servers to automatically move or copy data between Snap Server network shares.

Worldwide Warranty

Snap Appliance hardware and software are backed by world-class service and support to protect your investment from downtime. With Snap Care™ services, you have complete peace of mind.

Standard services with the Snap Server 4100 include:

- Standard three-year limited warranty

Optional Support Programs

- Bronze Software Maintenance Service
- Silver Next-Business-Day Onsite Service
- Gold Same-Day Onsite Service

Accessories

- Server-to-Server Synchronization
- Spare 4100 Power Supply
- Spare 4100 Hard Drive
- Spare 4100 Fan

SnapOS Specifications

Network Transfer 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

Automatic IP Address Assignment

- Supports DHCP for automatic assignment of IP address

Server Emulation

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

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 (platform-independent)
- SNMP (MIB II and Host Resource MIB)
- Disk Space Quotas
- SMART Disk Failure Analysis
- Email Notification Alerts
- Multilingual User Interfaces

Data Protection

- Network Backup: Supports VERITAS Backup Exec, CA BrightStor ARCserve and Enterprise, Legato NetWorker, and Microsoft Backup Software for Windows 95, 98, NT 4.0, 2000, 2003, XP.
- Compatible with Dantz Retrospect for Macintosh.
- Windows Clients: Standard Symantec PowerQuest DataKeeper software (unlimited user license) included for backup of Windows clients. Compatible with Symantec PowerQuest V2i Protector Desktop Edition for image-based backup of Windows clients.
- Windows Servers: Compatible with Symantec PowerQuest V2i Protector Server Edition for image-based backup of Windows servers.

UPS

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

Snap Server 4100 Specifications

Multiple File System Options

- RAID 5 + Hot Spare: (disk striping with parity) The size of one disk is reserved for parity checking. Three drives are in RAID 5, one is reserved and available to begin rebuilding in case of failure.
- RAID 5 (disk striping with parity): The size of one disk is reserved for parity checking. With four drives, yields 357 GB usable capacity (shipping default)
- RAID 1 (disk mirroring): Drives are duplicated for maximum data protection (50% usable capacity)
- RAID 0 (disk striping): Large, virtual drive with data striped across all drives of the array; no loss in usable capacity

- Individual Independent Disks: Four separate drives, each seen as a separate volume (JBOD)
- OS can be booted from any drive

Physical

- Width: 17.0 in. (431 mm)
- Height: 1.75 in. (44.45 mm), 1U
- Depth: 17.0 in. (431 mm)
- Weight: 19.6 lbs. (8.9 kg)

Agency Certifications

- UL, cUL, CE, FCC Class B, C-Tick, Nemko, TuV, BSMI

Power

- Power Rating: 100-240 VAC, 50-60Hz, autosensing
- Power Consumption: 35W
- Heat Dissipation: 205 BTUs/hr

Environmental Limits, Operating

- Temperature: 50° F to 95° F (10° C to 35° C)
- Non-condensing humidity: 15% to 90%
- Vibration: .1G at 10-300Hz random for 120 minutes
- Shock: 6 pulses of 33G for up to 2 ms
- Altitude: 0 ft to 8,000 ft (0 m to 2,438 m)

Environmental Limits, Non-operating

- Temperature: 14° F to 140° F (-10° C to 60° C)
- Non-condensing humidity: 5% to 95%
- Vibration: 2G at 5-500Hz for 90 minutes
- Altitude: 0 ft to 35,000 ft (0 m to 10,668 m)



Snap Appliance, Inc.
125 S. Market St.
San Jose, CA 95113
888-343-SNAP (7627)
International: 408-795-3600

*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.

© 2004 Snap Appliance, Inc. All rights reserved. Snap Appliance, the Snap Appliance logo, Snap Server, the Snap Server logo, SnapOS, GuardianOS, Snap Care, Snap Disk, and Snap Server Manager are registered trademarks or trademarks of Snap Appliance. All other product names or company names are the property of their respective owners. Specifications subject to change without notice.