



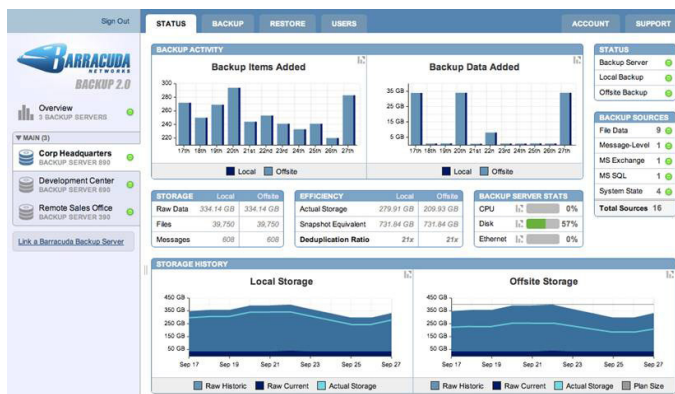
Barracuda Backup Service

Integrated local and offsite backup for fail-safe disaster recovery

The Barracuda Backup Service is a complete and affordable data backup solution. The Barracuda Backup Server provides a full local data backup and then replicates that data offsite. This hybrid approach provides the best of both worlds - local backups via a dedicated appliance for great performance and restore times, and disaster recovery data protection through secure cloud storage at Barracuda Networks. Data deduplication is applied inline at a block level to reduce traditional backup storage requirements by 20 to 50 times while also reducing backup windows and bandwidth requirements.

Powerful, Complete Solution

Designed for organizations of various size and need, the Barracuda Backup Server maintains a local copy of data and efficiently transfers the data offsite without placing additional burden on production servers. Offsite cloud storage at Barracuda Networks is monitored and managed by Barracuda Central as part of the monthly Barracuda Backup Subscription. In the event that all data backed up is not equally business critical, the Barracuda Backup Service makes it easy to select the data that needs to be stored offsite for disaster recovery. The Barracuda Backup Service includes technical support and emergency assistance with restores in the event of a system failure or disaster.



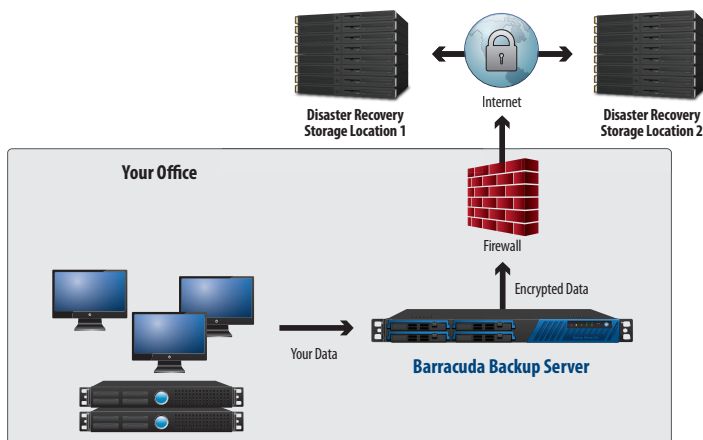
The Barracuda Backup Service Web Interface provides access and displays backup data usage, and allows quick restoration of files.

Deployed in varied and complex IT environments, the Barracuda Backup Service protects mission-critical business information. The Barracuda Backup Agent software for Windows, included with the Barracuda Backup Service, provides complete native backup of Microsoft Exchange Server, Microsoft SQL Server, Windows system state and Windows file system data. In addition to the software agent backup, the Barracuda Backup Server supports other backup methods natively without installing any additional software or agents. The Barracuda Backup Server can back up data directly from network file shares using industry standard protocols. It can also connect directly to Microsoft Exchange and Novell GroupWise to provide message-level backups for more granular restoration of user email messages.

Easy-to-Use and Maintain

The Barracuda Backup Service Web user interface makes it easy to manage backups and conduct data restores across multiple Barracuda Backup Servers at one or more locations. The Web user interface provides access and control of settings, reports, restores, statistics, and account information in order to manage diverse Barracuda Backup Servers and subscription plans. In addition, customers receive automated alert notifications upon detection of conditions affecting backups.

Barracuda Backup Service Architecture



BARRACUDA BACKUP SERVICE

MODEL
190
390
490
690
890
990



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TECHNICAL SPECIFICATIONS

Key Features

DATA BACKUP FEATURES

- Full local backup and restore
- Data deduplication
- Offsite backup with mirrored storage
- Secure, cloud storage
- 256-bit AES encryption to/at offsite locations
- Choose data to backup offsite
- Major OS compatibility
 - Supports Windows (Backup Agent / CIFS / SMB)
 - Supports Novell (CIFS / NCP)
 - Supports Mac OS X (SSHFS)
- Message-level email backup
 - Supports Microsoft Exchange
 - Supports Novell Groupwise
- Open file backup support
- Centralized management
- File change detection
- Backup scheduling
- Data transfer speed limits

INCLUDED BACKUP SOFTWARE

- Barracuda Backup Agent for:
 - Microsoft Windows File System
 - Microsoft Exchange
 - Microsoft SQL Server
 - Microsoft Windows system state, including Windows registry, Active Directory, etc.
- Barracuda Restore Client for Windows

REPORTING AND STATISTICS

- Server health monitoring
- Network traffic utilization
- Storage utilization
- File revision history
- Detailed offsite backup reports
- Detailed restoration reports
- Administrator / user activity

ADMINISTRATION & POLICY MANAGEMENT

- Centralized Web user interface
- User-based administration
- Flexible data retention
- Backup exclusion rules
- Litigation readiness
- File watch rules

DATA RESTORATION METHODS

- Barracuda Restore Client for Windows
- FTP from Barracuda Backup Server
- FTPS from Barracuda Networks cloud storage
- File download from Web user interface
- File / Application restore from Web user interface
- 24x7 Barracuda Technical Support restoration assistance

Hardware Features

POWER REQUIREMENTS

- AC input voltage 100-240 volts
- Frequency 50/60 Hz

CONNECTORS

- Standard VGA
- PS/2 keyboard / mouse
- Ethernet (see chart below)
- Serial port (DB-9)

Support Options

BARRACUDA BACKUP SUBSCRIPTION

- Replicates data to 2 data center locations
- Cloud-based Web user interface
- Proactive monitoring
- Alert notifications on errors, warnings, file-based events
- Standard Technical Support

INSTANT REPLACEMENT SERVICE

- Replacement unit shipped next business day
- 24x7 technical support
- Shipment of restored data from Barracuda Networks

CLOUD STORAGE SUBSCRIPTIONS

Each Barracuda Backup Server is linked with a Barracuda Backup Subscription to provide cloud storage of backup data for disaster recovery. Storage subscriptions are allocated in affordable 100 Gigabyte increments that scale easily with increasing data requirements. Advanced data deduplication and compression techniques in the Barracuda Backup Service reduce total backup storage requirements, including retention periods, to approximately 1.5 times the amount of data being backed up.

MODEL COMPARISON	MODEL 190	MODEL 390	MODEL 490	MODEL 690	MODEL 890	MODEL 990
Capacity*						
Suggested Backup Volume	100 GB	500 GB	1 TB	2 TB	4 TB	12 TB
Internal Capacity	250 GB	1 TB	2 TB	4 TB	8 TB	24 TB
HARDWARE						
Rackmount Chassis	1U Mini	1U Mini	1U	1U	2U	3U
Dimensions (in.)	16.8 x 1.7 x 14	16.8 x 1.7 x 14	17.2 x 1.7 x 19.8	17.2 x 1.7 x 19.8	17.4 x 3.5 x 25.5	17.2 x 5.2 x 25.5
Dimensions (cm.)	42.7 x 4.3 x 35.6	42.7 x 4.3 x 35.6	43.7 x 4.3 x 50.3	43.7 x 4.3 x 50.3	44.2 x 8.9 x 64.8	43.7 x 13.2 x 64.8
Weight (lbs. /kg.)	12 / 5.4	12 / 5.4	26 / 11.8	26 / 11.8	52 / 23.6	76 / 34.5
Ethernet	1 x 10/100	1 x Gigabit	1 x Gigabit	1 x Gigabit	1 x Gigabit	1 x Gigabit
AC Input Current (Amps)	1.0	1.2	4.1	4.1	5.1	5.5
Redundant Disk Array (RAID)		✓	✓	✓	✓	✓
Redundant Power Supply					Hot Swap	Hot Swap
FEATURES						
Hardened and secure OS	✓	✓	✓	✓	✓	✓
Local Backup Cache	✓	✓	✓	✓	✓	✓
Backup Schedules	✓	✓	✓	✓	✓	✓
Bandwidth Rate Control	✓	✓	✓	✓	✓	✓
Secure Offsite Transfer	✓	✓	✓	✓	✓	✓
Local Restore	✓	✓	✓	✓	✓	✓
Partial Offsite Selection	✓	✓	✓	✓	✓	✓

US 15.1 Specifications subject to change without notice.

*Capacity depends on environment and selected options.

All Barracuda Backup Server models require Barracuda Backup Subscriptions.