Barracuda **Backup**
Easy Cloud-Connected Backup

vmware® READY

Barracuda®

Barracuda Backup is a unified, cost-effective data protection solution for your physical, virtual, and SaaS environments. It's a complete backup solution with remote storage that is **easy to buy, install, and manage.**

☐ Security
☑ **Data Protection**
☐ Application Delivery

The Barracuda Advantage
• Simple pricing with no per-application or per-server licensing fees.
• Backup software, local storage, and remote storage that can be rapidly deployed in under an hour.
• Cloud-based central management for seamless multisite administration.
• Rapid local or remote recovery, preventing data loss and minimizing down time.
• Available as a virtual appliance that can be deployed without requiring additional hardware.

Product Spotlight
• Built-in cloud and site-to-site replication prevent data loss in case of disaster.
• LiveBoot and Cloud LiveBoot enable rapid recovery of virtual machines in minutes.
• Cloud-to-Cloud Backup protects Microsoft Office 365 environments from data loss.
• Offsite vaulting of historical revisions frees up valuable space on local storage.
• Compression and deduplication for up to 50X reduction in storage and bandwidth requirements.

Physical and Virtual
Most businesses today have a mixed environment of physical and virtual servers. Barracuda Backup is a single solution to protect physical servers and virtual machines (VMware & Hyper-V) with snapshot and granular file recovery—all with unified management for replication and retention.

All-in-One Backup Solution
Barracuda Backup is a complete solution that comes from one vendor. It combines software, in-line deduplication, and offsite cloud or private replication without per-server or per-application licensing fees.

Flexible Deployment
Barracuda Backup is available as an all-in-one physical appliance or a virtual appliance software offering for those wanting to leverage existing storage and compute infrastructures. Barracuda Backup can replicate data securely and efficiently from an on-premises physical or virtual backup appliance to Barracuda Cloud, a remote physical appliance, a remote virtual appliance, or Amazon Web Services (AWS).
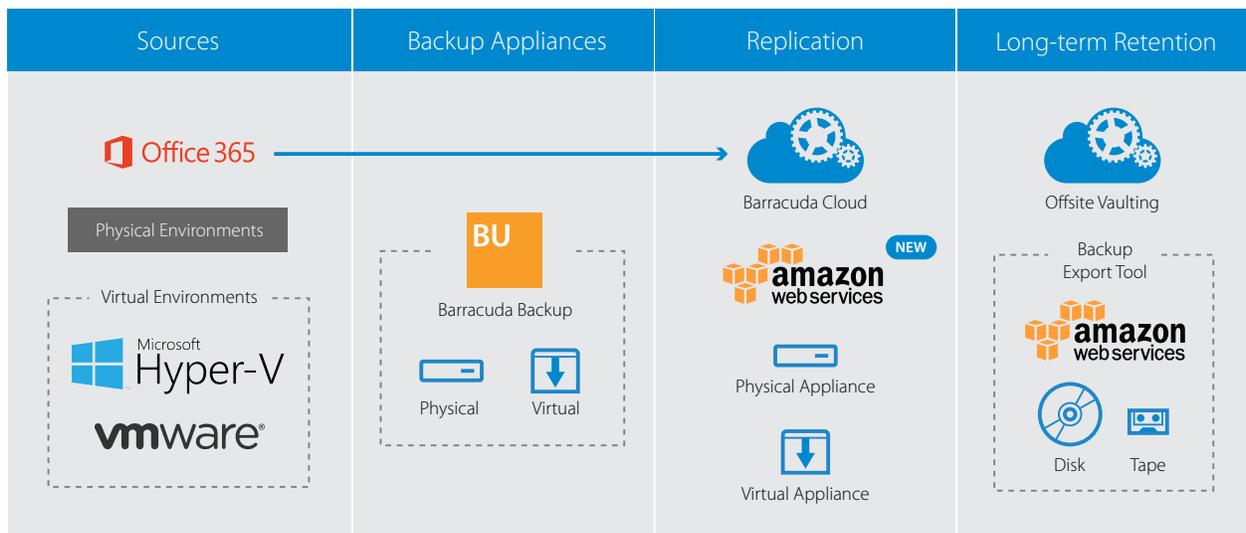
Our solution gives customers the choice of deployment options so they aren't locked into any specific architecture or platform, and the ability to maintain complete control of their backed-up data.

Cloud-to-Cloud Backup
While Software-as-a-Service and cloud-hosted environments, such as Microsoft Office 365, are a fantastic way to mitigate natural and mechanical failures, human-caused data loss is still ever present.

Office 365 — Barracuda Cloud

Barracuda Cloud-to-Cloud Backup for Microsoft Office 365 environments protects Exchange Online, OneDrive for Business, and SharePoint Online from accidental deletion and data loss.

Sources	Backup Appliances	Replication	Long-term Retention
Office 365		Barracuda Cloud	Offsite Vaulting
Physical Environments	BU	amazon web services **NEW**	Backup Export Tool
Virtual Environments	Barracuda Backup	Physical Appliance	amazon web services
Microsoft Hyper-V	Physical / Virtual	Virtual Appliance	Disk / Tape
vmware®			

Key Features

Backup
- Full local backup and restore
- Inline, block-level, source- and target-based deduplication and compression
- Built-in WAN acceleration
- Cloud or site-to-site replication
- Real-time inline replication to offsite storage
- Export to Amazon Web Services (AWS), external disk, tape, autoloaders, or robotic libraries
- 256-bit AES of data in transit and at rest to remote locations
- Near-continuous data protection
- VMware Changed Block Tracking (CBT)
- Single agent for Windows systems and applications

Offsite Vaulting
- Vault historical revisions offsite to Barracuda Cloud Storage or a remote location
- Extend offsite-only retention up to 12 monthly and 7 yearly revisions

Long-term Retention
- Backup Export Tool allows archiving to tape, external media AWS
- Supports archiving to virtual tapes stored in AWS Simple Storage Service (S3) and Glacier using the AWS Storage Gateway-VTL

Recovery
- Physical-to-Virtual (P2V) restores
- Bare metal restore for Windows and Linux environments
- Download or recover data from anywhere at anytime without the need for a local appliance
- Rapid VM recovery with LiveBoot for VMware, and Cloud LiveBoot for VMware and Microsoft Hyper-V environments
- Granular file recovery for VMware and Hyper-V
- File revision history
- Granular Microsoft Exchange message-level recovery
- VMware CBT restores
- Customers replicating to AWS have the option to restore backed-up virtualized systems directly to their own AWS EC2 compute environment for rapid recovery

Replication
- Barracuda's replication technology gives you the flexibility to securely and efficiently send data to the Barracuda Cloud, a remote physical backup appliance, a remote virtual backup appliance, or AWS S3 for offsite replication.
- Because Barracuda manages and optimizes our infrastructure in AWS, setup and configuration is simple for customers and does not require an advanced understanding of AWS

Virtual Appliance
- Support for VMware and Microsoft Hyper-V environments
- Simple per-socket (CPU) pricing for virtualized environments and per-server pricing for physical servers.
- Built-in replication to Barracuda Cloud, AWS S3, a remote physical appliance, or a remote virtual appliance

Administration and Policy Management
- Central management through Barracuda Cloud Control
- Data transfer rate limits
- Health status monitoring via mobile apps
- Role-based administration
- Flexible data retention
- Backup exclusion rules

Reporting and Statistics
- Server health monitoring
- Network traffic utilization
- Storage efficiency
- Replication outage notifications
- Detailed restoration reports
- Audit logs and offline notifications
- Automated email reports
- Large item reports subscriptions

Granular SharePoint Recovery with Kroll Ontrack
- Granular file search and recovery
- Restore to multiple locations

Energize Updates
- Award-winning live 24/7 customer support
- Firmware updates
- Automatic agent upgrades
- No per-feature or per-application fees

Instant Replacement
- Next business day shipping on hardware replacement gets you back up and running fast
- Includes hardware refresh every four years keeping you on the latest platform at no additional cost
- Disaster recovery service preloads most recent data and configuration settings onto a replacement unit for emergency restores in the event of complete site disaster

Barracuda Cloud
- All the storage you need to replicate Barracuda Backup to the cloud and extend retention with offsite vaulting

Cloud-to-Cloud Backup
- Stand-alone subscription for direct-to-cloud backup that protects Microsoft Office 365 environments, including Exchange Online mailboxes, OneDrive for Business files and folders, and SharePoint Online

MODEL COMPARISON	190	290	390	490	690	790	890	895	990	995	1090
CAPACITY											
Usable Storage Capacity	1 TB	2 TB	4 TB	6 TB	12 TB	18 TB	24 TB	36 TB	48 TB	80 TB	112 TB
Recommended Environment	500 GB	1 TB	2 TB	3 TB	6 TB	9 TB	12 TB	18 TB	24 TB	40 TB	56 TB
HARDWARE											
Form Factor	Desktop	1U Micro	1U Mini	1U		2U			3U		4U
Weight (lbs)	5	9	12	26		45	52	70	76	114	121
Network Interface	1GB RJ45					2 x 10GB RJ45					
Optional 10Gb Fiber	N/A					2-port SFP+					
IPMI	N/A					YES					
Disk Arrangement	1 x 1 TB	1 x 2 TB	2 x 4 TB	4 x 4 TB	4 x 6 TB	6 x 6 TB	8 x 6 TB	10 x 6 TB	16 x 4 TB	14 x 8 TB	32 x 4 TB
Redundant Disk Array (RAID)	N/A		SW RAID 1	SW RAID 10	HW RAID 10			HW RAID 60			
Dedicated Database and OS Disks	N/A									2 x 2 TB	4 x 2 TB
Redundant Disk Array (OS)	N/A									HW RAID 1	HW RAID 10
Swappable Disks	N/A					Hot Swappable					
Redundant Power Supplies	N/A					Hot Swappable					
AC Input Current (amps @ 120V)	0.25		0.40	0.65	1.3	1.7	2.5	2.6	6.9	7.8	8.4
FEATURES											
Management Interface	Barracuda Cloud Control centralized management										
Barracuda Backup Agent	Windows File System & System State, Microsoft Applications (Exchange, SQL & SharePoint), Linux										
Network Backups Included	NAS, Unix, Linux, Mac OS X										
Virtual Environments	**Host level:** VMware vSphere, Microsoft Hyper-V **Guest level:** Citrix XenServer, Oracle VM, Red Hat Enterprise Virtualization, KVM										
SaaS Environments	Microsoft Office 365 including Exchange Online, OneDrive for Business, and SharePoint Online										
Deduplication	Global, Inline, Block-Level, Source- and Target-Based										
Physical-to-Virtual (P2V) Recovery	•	•	•	•	•	•	•	•	•	•	•
Export to External Media	•	•	•	•	•	•	•	•	•	•	•
Offsite Vaulting	•	•	•	•	•	•	•	•	•	•	•
Local and Cloud LiveBoot	•	•	•	•	•	•	•	•	•	•	•
Cloud Replication	•	•	•	•	•	•	•	•	•	•	•
Site-to-Site Replication	Sender				Sender and Receiver						

SFP+ Fiber 10GbE: 791, 891, 895b, 991, 995b, 1091

Specifications subject to change without notice. For more information, please visit http://campus.barracuda.com/backup.