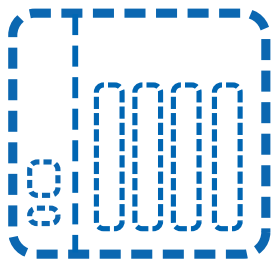


# THE EASIEST WAY TO PROTECT YOUR DATA REGARDLESS OF INFRASTRUCTURE



Business: 1TB to 4TB

Professional: 5TB to 19TB

Enterprise: 20TB to 50TB

The Datto family of virtual appliances provides robust backup, disaster recovery (BDR) and Intelligent Business Continuity (IBC) to businesses of all size, regardless of infrastructure. Virtual SIRIS and Virtual ALTO support both VMware vSphere and Microsoft Hyper-V, and are available in an array of local storage options, ranging from 1TB to 50TB.

Virtual SIRIS and Virtual ALTO leverage Datto's award-winning core technologies, service, and support for maximum performance on hypervisors, protecting both virtual and physical servers. Datto's virtual appliances seamlessly integrate with the secure Datto cloud, and come with a predictable cloud-billing model.

A key feature for Managed Service Providers (MSPs), Value Added Resellers (VARs) and Solution Providers is the ability to streamline all their backup and continuity solution training, service and support on Datto—there is no need to manage multiple, disparate solutions. This empowers MSPs to master their BDR and continuity offerings, whether physical or virtual.

Virtual SIRIS or Virtual ALTO is a good fit for your business and your customers.

- Virtual-only or multiple-platform infrastructures
- Protect virtual environments to ensure business continuity
- Unlimited cloud storage with a predictable billing model
- Scalable solutions to grow as a business grows
- Easy-to-install and easy-to-manage
- Streamline all BDR solutions with one award-winning vendor
- Unlimited agent licenses
- Seamless integration with secure Datto cloud
- Virtual and Physical Hybrid-Cloud Based BDR Built for the Channel

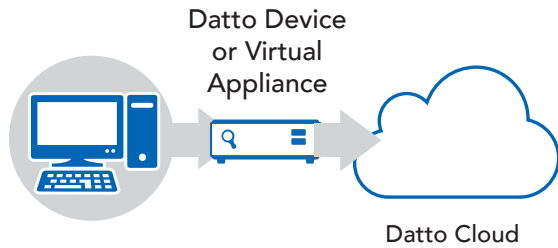


Figure 1

### Hybrid Cloud

Datto utilizes Hybrid Cloud technology to improve redundancy and give users greater protection of their systems and data. Hybrid Cloud continuity is simple in concept yet robust in feature set; it leverages the advantages of local backup and the security of the cloud.

It starts with workstations and servers protecting data locally across the Local Area Network (LAN) to the Datto appliance. From there it is automatically transmitted to the secure Datto cloud. This technology improves fault tolerance while reducing the reliance on bandwidth speed. The local Datto device can act as a restore hub for everything from files to application and system fail over, it can also act as a staging environment for off-site transfer. Scheduling off-site data transfers can be critical for bandwidth management and carries no risk of having unsaved backups. In addition, should the local device be compromised data that was transferred to the Cloud can act as a replica site for the business. A local only backup option cannot ensure data integrity should a site wide disaster occur. (See Figure 1)

### Image-Based Backup

Datto uses image-based backup technology to take a complete picture of the workstation or server. Advantages include quick full system restores, easy recovery of individual files, bare metal restores (BMR) capability, and the ability to boot individual backups as virtual machines. Image-based backup is a superior technology vs. outdated tape and disc. (See Figure 2)

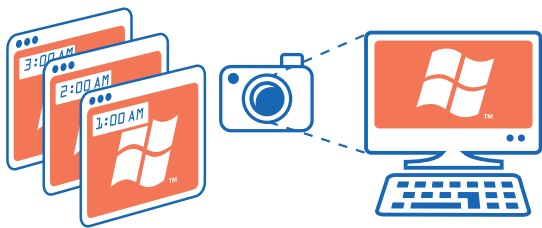


Figure 2

### Hybrid Virtualization

Virtual ALTO brings the power and flexibility of local virtualization to small business. Hybrid Virtualization technology initializes a virtual machine (VM) in the secure Datto cloud, then automatically connects to the local network through the Virtual ALTO using a secure VPN tunnel. Available on Virtual ALTO only.

### Screenshot Backup Verification

No more guessing if your backup is working properly. The appliance boots backups as virtual machines, capturing an image of the login page to give you visual proof that your data has been successfully backed up. An industry first. Not available on Virtual ALTO for Hyper-V. (See Figure 3)

### Instant Local Virtualization

Should a business experience a server failure, the system can be virtualized instantly on the Datto device. The advanced web interface allows for configuration of CPU and memory resources. Networking resources can also be configured dynamically, allowing for changes to be made without restarting the virtual machine. With the system now virtualized, the business can operate "business as usual" until it has the time to fix its server issue, without compromising any data or incurring any downtime. Available on Virtual SIRIS only.

### Instant Off-Site Virtualization

Datto protects clients from site-wide outages using instant off-site virtualization. In the event of a local disaster like as a fire or flood, the entire network can be recreated in the secure Datto cloud in a matter of minutes. Secure connections are provided to employees and a business can resume normal operations.

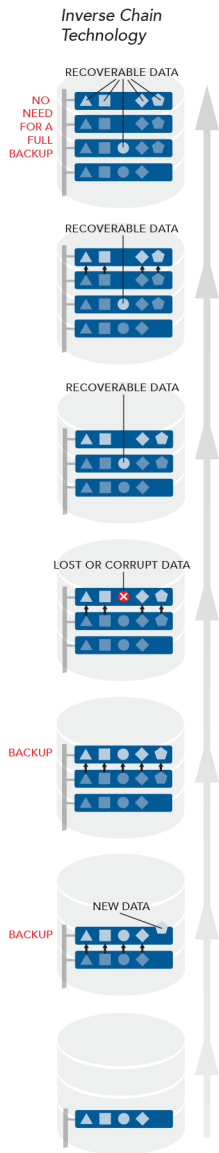
### End-to-End Encryption

All data is protected by AES-256 encryption both in transit and in the cloud. Additionally, users have the option to encrypt data locally, and passphrases can be specified per appliance or per protected machine to meet



Figure 3

Figure 4



## Inverse Chain Technology™

Datto's proprietary Inverse Chain Technology eliminates the problem of broken backup chains—the place where most issues arise in the backup process.

Each time a backup occurs data is saved in a universal virtual file format (VMDK). These backups are not dependent on previous snapshots, giving you the freedom to change retention and delete snapshots without resetting the chain or having to take a new base image. Since each backup is a fully bootable virtual machine, there is no need for complex, time-consuming conversion processes before performing a restore. Data is always available immediately, both on and off-site, for near-instantaneous recovery and virtualization. (See Figure 4)

## Off-Site File Restore

No matter where you are, you can recover files and folders from any protected server or workstation, from any point in time. The intuitive, familiar Datto Partner Portal now features a simple, powerful utility for browsing the complete file structure for any recovery point. Even better, you can perform searches to find exactly what you need.

## eDiscovery Software

eDiscovery gives Datto users the ability to search keywords within their backup data, emails, and attachments and review in an easy to read format. Powered by the industry-leading Kroll On-Track software, it is compatible with dozens of file formats and systems including Microsoft Exchange and SharePoint.

## Backup Insights

Would you like the power to see what happened in between backup points? Has a client ever asked to find a folder that was deleted, and you need to know when? Or, do you need to determine which files were affected by a virus? Datto's proprietary Backup Insights can give you the answers you need, fast.

Backup Insights has the ability to identify file and application changes between any two backup points. It recovers files and applications directly from the interface with almost no information about when they were lost or even where on the machine they resided. Users can intelligently track trends over time to see what files have been created, modified and deleted. This tool is extremely easy to use and can be accessed right from the user interface. In a matter of seconds you can simultaneously mount points and see all files broken down with an easy to read file tree. (See Figure 5)

## ShadowSnap™

Datto utilizes the image-based ShadowSnap™ agent, developed in conjunction with StorageCraft. ShadowSnap is based on the premise of dual backup engines: application-aware VSS by default, with the engine as a safety net. ShadowSnap is particularly useful in performing bare metal restores as it supports dissimilar hardware.

## Bare Metal Restore

Restore full machines quickly and efficiently through our Bare Metal Restore (BMR) process. Kick the process off with a PXE (network) boot, or just image a USB thumb drive with the included wizard. Go from physical machines to virtual (P2V) or vice versa with our unique dissimilar hardware tool that allows for maximum flexibility when restoring. No drives or cables are needed as the process runs over the local network. Not available for Virtual ALTO for Hyper-V.

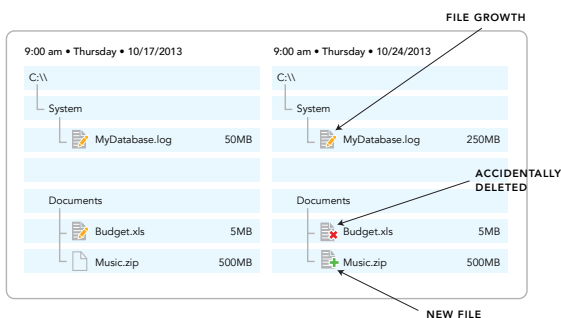
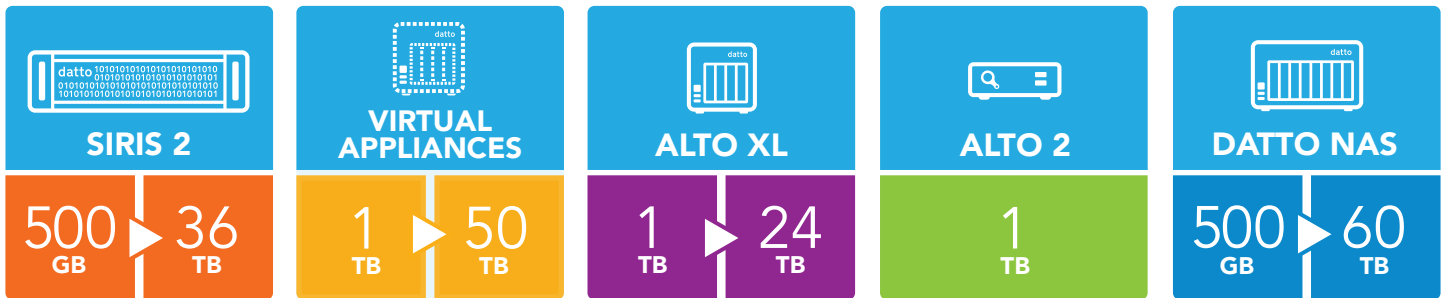


Figure 5

Solutions for businesses of any size:



	Datto SIRIS 2	Virtual SIRIS	Virtual ALTO	Datto ALTO XL	Datto ALTO 2	Datto NAS
	Medium to enterprise businesses	Medium to enterprise businesses	Medium to enterprise businesses	Small to medium businesses	Small businesses	Businesses of any size
Instant On-Site Virtualization	✓	✓				
Instant Off-Site Virtualization	✓	✓	✓	✓	✓	
Hybrid Virtualization™			✓	✓	✓	
Local and Off-Site File Level Restore	✓	✓	✓	✓	✓	✓
VMDK/VHD Export	✓	✓	✓ <sup>1</sup>	✓	✓	
Inverse Chain Technology™	✓	✓	✓	✓	✓	✓
Screenshot Backup Verification	✓	✓	✓ <sup>2</sup>	✓	✓	
Bare Metal Restore	✓	✓	✓ <sup>3</sup>	✓	✓	
Message Level Exchange Recovery	✓	✓	✓	✓	✓	
Granular SharePoint Recovery	✓	✓	✓	✓	✓	
End-to-End Encryption	✓	✓	✓	✓		
Unlimited Cloud Storage Capabilities	✓	✓	✓	✓	✓	✓
Backup Insights™	✓	✓	✓	✓		
Unlimited Agent Licensing	✓	✓	✓	✓		
24/7/365 Technical Support	✓	✓	✓	✓	✓	✓
Appliance Type	Physical	Virtual	Virtual	Physical	Physical	Physical
Deploy to VMware vSphere ESXi	N/A	✓	✓	N/A	N/A	N/A
Deploy to VMware vSphere Free, Essentials	N/A		✓	N/A	N/A	N/A
Deploy to Microsoft Hyper-V	N/A		✓	N/A	N/A	N/A

1. USB Export not available on Virtual ALTO for Hyper-V.

2. Screenshot Backup Verification not available on Virtual ALTO for Hyper-V.

3. Bare Metal Restore not available on Virtual ALTO for Hyper-V.

### Business Continuity Built From the Ground Up



Datto devices use the jointly designed ShadowSnap agent to capture data change on Windows systems.

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