

## **THE CLOUD SOLUTION**

The cloud is mysterious. Some may think that data is just floating through the Internet somewhere until you decide to access it. The Internet does play a big part in accessing files, but the cloud has a physical existence.

When someone mentions cloud storage, they are referring to the ability to store and access data over the Internet. The data is stored either on owned storage devices or rented space on servers in a data center. The main purpose of this is so that resources are shared to maintain optimal performance.

The idea of cloud storage is that consumers and businesses don't store all of their files on their computers, smartphones, tablets or TVs, because lack of space or the possibility of data loss, so there's a remote storage device or data center that stores files for them that is accessible at all times through the Internet. For small and medium businesses, a cost-effective, secure solution is to use cloud services on an owned network attached storage device(s), such as Buffalo's TeraStation products.

### **Advantages of Storing Data on the Cloud**

- Expanded Storage: the cloud acts as expanded storage to meet your data storage needs without exhausting resources on your server or computing devices
- Accessibility: the cloud allows users to store files in one place and access them from anywhere with an internet connection
- Collaboration: Since data is accessed through the Internet, multiple users can access or edit files and the cloud serves as a means of collaboration
- Data Continuity and Recovery: If your computer or other device hosting your data is damaged, you still have access to your files stored on the cloud until data can be recovered to the local device from the cloud-hosted copy

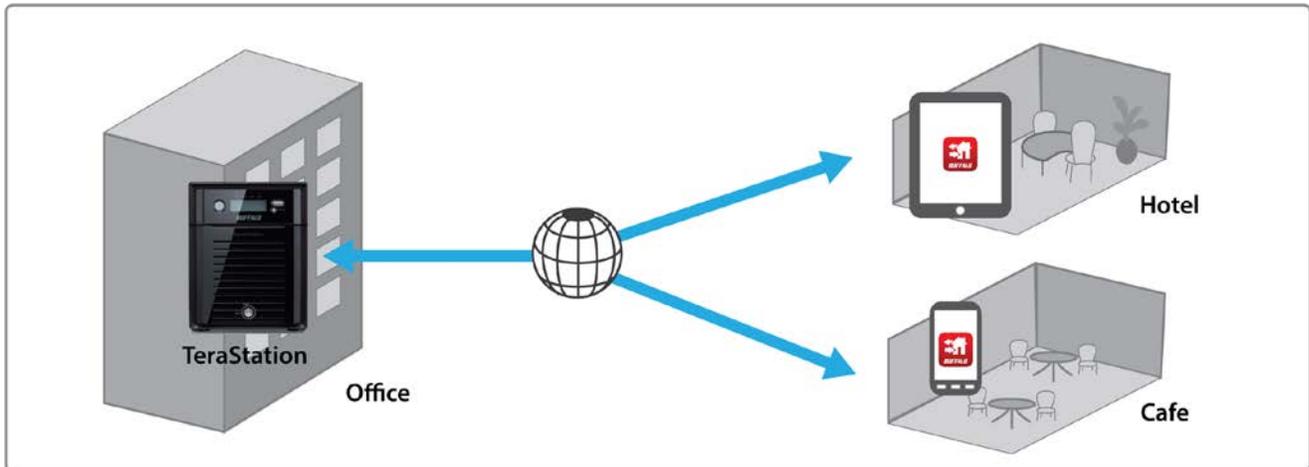
### **TeraStation as a Cloud Solution**

Buffalo's line of TeraStation network attached storage solutions serve as cloud storage devices by hosting data and allowing users to access files online from multiple devices, replicate files from one TeraStation to multiple locations, and even backup files to cloud service provider Amazon S3 for an extra level of protection and storage.

### ***TeraStation as a Personal Cloud Device***

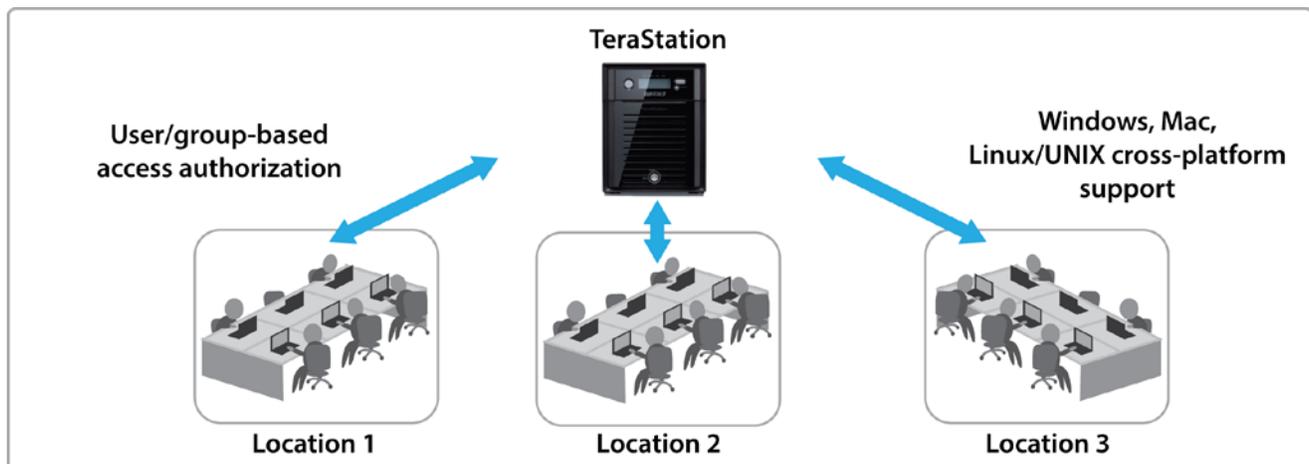
Buffalo's TeraStation products can be used as personal cloud solutions for small and medium businesses through its WebAccess feature with folder-level permissions. With TeraStation as your cloud storage device, rather than a distant datacenter hosted by a cloud service provider, your files will not be shared with a third party making this solution a secure, valuable and one time investment.

The WebAccess app allows users to access files stored on the TeraStation anywhere from multiple devices. With the app, users can share files and collaborate with other users for convenient and efficient use of data. For example, if an employee in the office needs to send a large file to his boss that's away on business travel, the employee can save the file on the TeraStation server and his boss can access it on his tablet from a hotel.



### ***TeraStation as a Business Cloud Device***

For businesses with confidential data, folder-level sharing is available, allowing TeraStation owners to provide client access only for certain folders. TeraStation's Active Directory integration allows folder permissions to be assigned by individual or group, and Buffalo's TeraStation Windows Storage Server family allows for even more granulation permissions to be granted, down to the file level. If a company has private information stored on their TeraStation, clients and users can only access files that they have permission to.

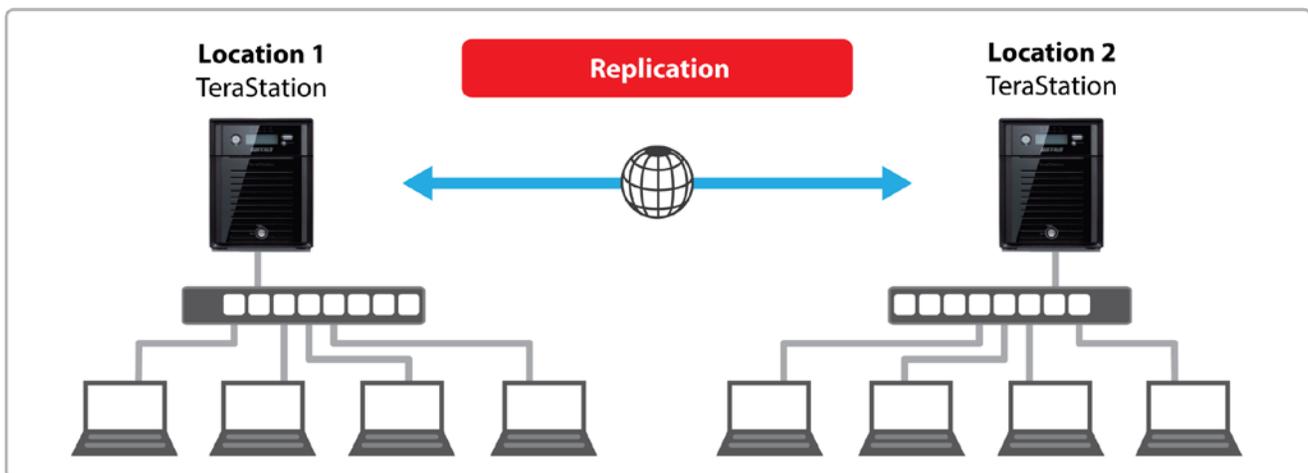


### ***TeraStation as a Cloud Disaster Recovery Device***

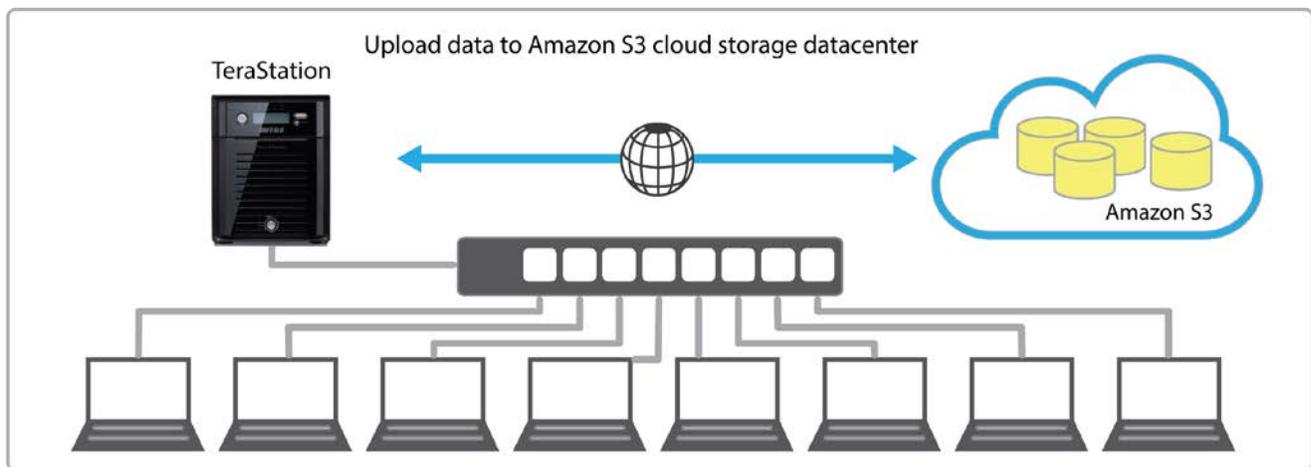
There are many reasons that businesses can experience data loss, such as hard drive failure, theft, human error and natural disasters. In fact, it's difficult for companies to recover business operations after experiencing extreme data loss. It's recommended to have a backup plan to recover in the event of a data loss, and cloud storage is a worthy solution.

TeraStation features replication services that can provide extra data protection in the case of unanticipated disasters, allowing users to recover lost files. With a TeraStation device, users can backup files from other devices through the Internet from anywhere.

Users can set up site-to-site replication by placing a TeraStation in two or more locations, which automatically duplicates files to each TeraStation designated as a target device. Another option is to set up bi-lateral replication that automatically duplicates data between two or more TeraStations. This provides convenient and accessible data from any location. For example, if a business has two locations and a TeraStation at each, it has the ability setup automatic data replication between the two TeraStations, providing access to data – created at either office at both locations. Benefits of this solution include one up-front investment and a high level of security since all data is stored on owned devices and isn't shared with a third party.



For TeraStation users that may just have one small office or only have a budget for one TeraStation, Amazon S3 provides an extra, cost-effective backup option. TeraStation users have the option to backup data to Amazon S3 cloud services for a monthly cost.



As businesses continue to grow, so do their data storage needs. Buffalo's variety of TeraStations as cloud storage is a fitting solution, providing small to medium businesses with convenient and accessible data storage and a range of business-class features for different business needs. Explore the TeraStation line of network attached storage devices [here](#).