Introduction

Information, especially in virtual environments and databases, is the lifeblood of any business organization. Data continues to grow rapidly making the job of protecting the information ever more challenging. Protecting against data loss – in the event of accidental deletion hardware or software failure, or disaster – is critical for business continuity. Backups help organizations recover data from such events. However, with backup and recovery windows shrinking and data capacities growing ever larger, disk-to-disk backup and recovery solutions are becoming essential to keep up with demanding recovery point objectives (RPO). Exablox offers a scale-out, inline dedupe storage appliance that can be leveraged as a disk-based backup target for your "last-resort" and ever-growing backup data.

Challenges

IT organizations continue to struggle with the daunting task of backing up growing quantities of information within diminishing backup windows. Unfortunately, IT administrators are often still spending excessive time dealing with tape, responding to emergency data restore requests, and trying to maintain the backup infrastructure to keep up with the demands. Progressive organizations are looking into disk-based backup storage solutions. However, current solutions are often based on a scale-up architecture with limited scalability and performance. Once the scalability limits are reached, the only available options are to either add another standalone array with separate management or undergo an arduous task of a forklift upgrade and replace the existing array. The consequences are many islands of backup data that are complex to manage and result in significant increase in the cost of ownership.
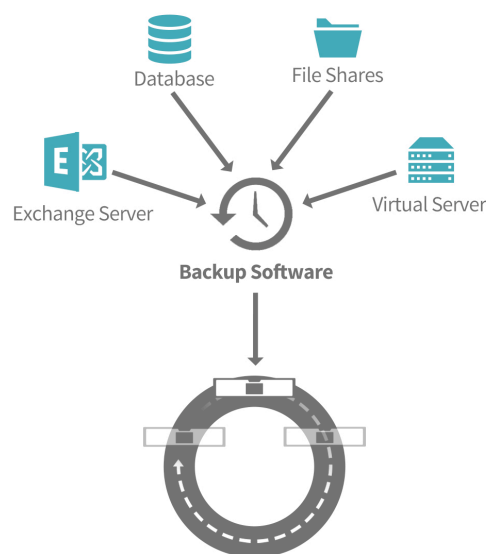
Exablox for Backup Targets

Exablox offers a new and an efficient storage infrastructure for backup and archival. By leveraging OneBlox as the backup target for the virtual and database environments, organizations can eliminate inefficiencies and bottlenecks associated with backup infrastructure environments.

OneBlox & OneSystem

Exablox delivers OneBlox, a powerful, yet simple, integrated scale-out NAS storage and backup appliance, coupled with OneSystem, a cloud-based storage management service. The solution has been designed from ground-up to fully exploit today's advances in storage technologies to deliver a single infrastructure that integrates advanced storage features along with backup capabilities and brings storage management simplicity across multiple fronts. OneBlox is a purpose-built appliance with all enterprise-grade features built-in such as continuous data protection, compression, inline deduplication, and disaster recovery. It is largely automated with no need for expertise to setup and operate. The unique scale-out, converged storage appliance consolidates primary data as well as the backup and archival data in a single, simple to use storage infrastructure with global namespace.

Exablox for Your Backup Targets

Database · File Shares · Exchange Server · Virtual Server

Backup Software

Contain backup data storage

- Drive down the storage capacity requirements with built-in, fast, in-line deduplication and compression of your backups. Efficient block level deduplication delivers up to 10X data reduction rates
- Granularly scale storage capacity, one disk at a time. Add an additional OneBlox and have the aggregate capacity immediately available to accommodate your escalating backup and data growth
- Scaling with Exablox isn't a headache. With OneBlox, your investment is protected by simply adding additional OneBlox into an existing cluster "ring" with zero configuration—gone are the days of forklift upgrades

Dramatically simplify the management of your backup infrastructure

- Eliminate management complexity, as there is no RAID, LUNs, or volumes to configure. Local ring-level replication protects against multiple disk or appliance failures
- Remove and replace failed disks (or appliances in a cluster) with no disruption to data services and no re-configuration of storage
- Manage on-premises OneBlox disk-based backup appliances from any browser with OneSystem
- Experience a simplified and intuitive management workflow
- Eliminate backups altogether when using OneBlox for your primary file storage with our continuous data protection

Safeguard your "last resort" data

- With OneBlox automatic real time replication, information is safeguarded against dual disk or appliance failures
- Protect against a site failure with remote replication – all in 4 simple steps that take only 5 minutes
- Disaster recovery implementation with Exablox is simple to setup and cost-effective with only changed, compressed and deduplicated data replicated to the remote OneBlox ring

Certification

Conclusion

When data in a database or virtual environment gets lost, corrupted, or damaged, the time required to restore the data and resume normal business operations is extremely critical. A reliable and fast recovery solution that does not depend on time-consuming restore from tapes can be a good alternative. Exablox – with its integrated deduplication, compression, continuous data protection, and ease of management – offers a cost-effective backup and restore alternative to tape based infrastructure.