

NetVault: Replicator

FAST FACTS ABOUT NetVault: Replicator

- Continuous Real-Time Operation
- Cross-Platform Replication
- Cluster-aware Failover Support
- Reliable Data Journaling
- Open File Support
- Scalable Design
- Hardware Independence
- Application Independence
- Accurate Simulation
- Flexible Configurations
- Double-Byte Support
- Dynamic Reconfiguration
- Secure Network Encryption
- Adaptive Compression
- Network Bandwidth Throttling
- Command Line Interface (CLI)
- Programmer Toolkit API (SDK)
- Optional Cluster Support
- OnDemand Option

Today's heterogeneous business-critical environments demand the highest levels of availability for applications and data across the enterprise. At the same time, enterprise storage continues to grow at a rapid pace and the complexity of these environments continues to expand, making the task of managing data access and availability increasingly difficult. NetVault: Replicator provides fast, automatic, real-time mirroring of mission-critical data in real-world heterogeneous environments over standard IP networks. Once installed on existing servers, NetVault: Replicator is always running, automatically mirroring critical data changes to one or more servers anywhere on a network.

Key Benefits

Reduce business risk by keeping applications and data highly available

Continuous Real-Time Data Replication

NetVault: Replicators' patent pending hybrid semi-synchronous replication technology combines the security of synchronous mirroring with the reliability of journaling technology to provide immediate byte-level replication over both local and wide area networks with guaranteed write order consistency and transactional integrity.

Maximize existing IT investments

Cross-Platform, Heterogeneous Data Protection

NetVault: Replicator allows true cross-platform data replication between Microsoft Windows®, Linux, Sun Solaris and Apple Mac OS X servers. The ability to replicate across platforms separates NetVault: Replicator from the competition and makes it the ideal solution for enterprise-wide mixed server environments.

Unlimited Flexibility

NetVault: Replicator installs on existing production servers without down time and is independent of file systems, volume managers, applications and storage hardware. The real-time software replicates data at the logical file level, mirroring only data changes. NetVault: Replicator has been qualified in direct attached storage, SAN and NAS environments and is certified in many vendor certification programs. Unlike other offerings on the market, NetVault: Replicator does not require identical configurations on both ends and can be setup to do one to many, many to one and bi-directional replication.

Minimize System Overhead

NetVault: Replicator minimizes the impact to the local server while effectively utilizing network bandwidth through unique adaptive data compression, bandwidth limit throttling and configurable replication data streams.

Highest Levels of Scalability

NetVault: Replicator can dynamically scale from the needs of small, simple storage environments to the demands of the largest and most complex storage environments.

Increase customer satisfaction by minimizing service disruptions

Cluster-Aware Failover Support

NetVault: Replicator is available with an optional failover module to support popular cluster management software for automatic failover to a mirrored hot-standby server, including Veritas Cluster Suite, Heartbeat and RedHat Cluster Suite. After a failure of the active source server, the cluster management software automatically starts the applications on the hot-standby server while NetVault: Replicator Cluster Support Plugin automatically switches the hot-standby server to become the new primary source server.

ONDEMAND REPLICATION

NetVault: Replicator
OnDemand offers the option of reliably synchronizing Apple MAC OS X servers at pre-defined intervals, replicating data to any supported destination platform. It provides point in time, disk-based protection over a standard IP network for disaster recovery, remote office consolidation and content distribution.

REAL-TIME SOURCE PLATFORMS

Microsoft Windows x86-32
Linux (x86, x86-64, Itanium)
Sun Solaris (SPARC & x86-64)

ONDEMAND SOURCE PLATFORMS

Apple Mac OS X

DESTINATION PLATFORMS

Microsoft Windows x86-32
Sun Solaris (SPARC & x86-64)
Linux (x86, x86-64, Itanium)
Apple Mac OS X

For more information on specific platform versions, visit the BakBone website at:
<http://www.bakbone.com>

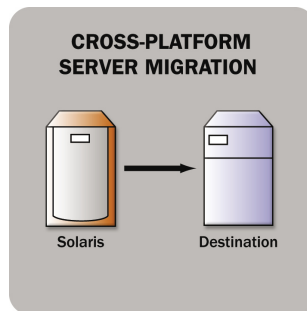
Improve IT staff efficiency

Centralized Management Console

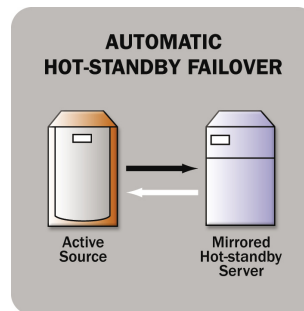
Using a GUI, NetVault: Replicator automates the configuration and management of replication for source and destination servers from a single location.

Replication Simulator

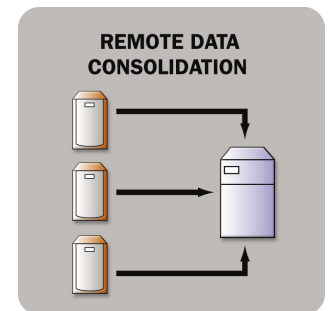
Enables an administrator to determine data volume, required bandwidth and journal size for particular replication sets to meet their Service Level Agreements (SLA) for both Recovery Time Objective (RTO) and Recovery Point Objectives (RPO). This can be done prior to implementing replication on a new application to determine how much data is changing and will need to be replicated, the disk space required and whether the network can handle a particular replication set.



NetVault: Replicator configuration is ideal for online cross-platform server migrations over the Local and Wide Area Networks.



NetVault: Replicator optionally integrates with cluster management software for automatic failover to a mirrored hot-standby server. Since only the updates to the mirror need to be replicated back to the production server versus a traditional full re-initialization, failback to the original production server is significantly improved.



NetVault: Replicator consolidates data from remote sites over the existing network from many servers to one for online backups and further migration to offline media to meet long-term storage requirements.

Integrated Data Protection

BakBone's Integrated Data Protection™ (IDP™) strategy provides a comprehensive suite of integrated, heterogeneous cross-platform data protection technologies that are seamlessly managed from a single console. IDP enables administrators to easily and cost-effectively achieve high data availability, set schedules, manage policies, as well as control and report on their storage environment. BakBone's IDP framework consists of two key layers: the Core Services Managers™ and the individual data availability and protection technologies. BakBone's technology portfolio today consists of NetVault: Backup, a comprehensive backup and recovery solution, NetVault: Report Manager, advanced storage reporting and NetVault: Replicator, a replication solution for high availability.

About BakBone

BakBone Software is a leading international data protection solution provider that develops and distributes heterogeneous data backup, restore, disaster recovery, replication and storage reporting software for network storage and open-systems environments. Incorporated in 2000, BakBone Software's products are used by companies worldwide and are distributed through a network of OEMs and solution providers.

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