

Riverbed Whitewater Appliances and Nirvanix

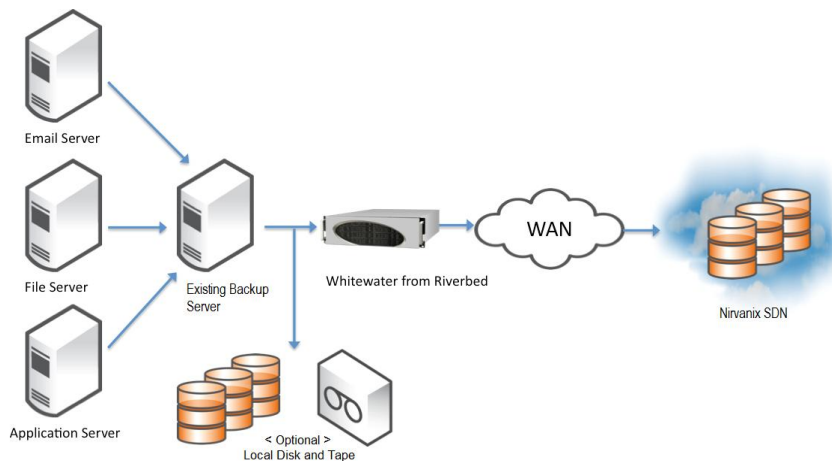
Accelerating cloud storage for enhanced data protection

The exponential growth of unstructured data, increasing business expectations and flat capital budgets are encouraging IT professionals to leverage the public cloud to augment their existing storage infrastructures. While traditional backup architectures and tape technologies have served organizations well in the past, new solutions are now available that deliver the security, scalability, flexibility and return on investment required in today's demanding business environment.

Riverbed Technology and Nirvanix™ have partnered to create a complete enterprise cloud storage solution that provides a secure, easy to implement, scalable service for storing and protecting backup data in the public cloud. Riverbed® Whitewater™ storage acceleration appliances and the Nirvanix Storage Delivery Network™ (SDN) together significantly reduce costs through an elastic pay-as-you-go storage pool for backups and archives and the elimination of expensive remote disaster recovery hardware.

Riverbed Whitewater Appliances

Riverbed Whitewater appliances are a family of cloud storage acceleration appliances that secure the data at rest and during transmission, accelerate backup and recovery operations, eliminate duplicate data to reduce storage costs in the cloud and install quickly without requiring changes to the existing backup infrastructure.



Riverbed Whitewater Appliance and Nirvanix SDN: Typical Deployment

A Joint Solution by Riverbed and



BENEFITS

Key benefits of the cloud backup storage solution with Whitewater appliances and Nirvanix Storage Delivery Network:

- Secure off-site data - Whitewater appliances encrypt data in-flight to the cloud with SSL v3, as well as at rest using 256-bit AES encryption. This dual level encryption ensures that all data is protected end-to-end.
- Reduce cloud data storage requirements by up to 30x with Riverbed's byte level based deduplication.
- Guaranteed QoS and availability with Nirvanix's policy-based data replication.
- Easy integration into existing backup infrastructures - Whitewater appliances simply become the target for current backup software, requiring no expensive integration or complex configuration.
- Minimize data protection costs by reducing data transmission and cloud storage requirements and eliminating tape/storage backup systems, and remote disaster recovery hardware.



Whitewater appliances are fast and easy to deploy as customers continue to use the same data protection products in use today as well as the same schedules and procedures. The appliances further deliver significant operational benefit by reducing the management required for off-site disk and tapes.

With the Nirvanix SDN and the Whitewater appliance solution, SDN becomes a secure and reliable backup target, accessed like any other storage target at the customer's site. Now that backup target can be sized up or down on demand, capacity-optimized and accelerated—but, in contrast to purchasing petabytes of storage hardware, customers pay for only what they use. In addition, customers can select the guaranteed QoS level they desire through policy-based replication for outstanding availability and fast global access.

Nirvanix Storage Delivery Network

The SDN is comprised of seven globally-dispersed storage nodes strategically located to optimize access regardless of a user's location—including California, Texas, New Jersey, Germany, Switzerland and Japan. The nodes are accessible via a single namespace, which means that by writing data to one location, global access is possible through any or all of the nodes.

Nirvanix's standard service uses RAID-6 to ensure data integrity. Customers have the option of using Nirvanix policy-based data replication, to increase the guaranteed SLA from the standard 99.9% for one copy, to 99.99% for two copies or 100% for 3 or more copies. This process is automated using Nirvanix's policy-based replication and provides unparalleled control of integrity based upon requirements and budget.

Nirvanix uses rigorous control processes that have been audited and approved by a major auditing firm as well as the information security departments of multiple Fortune 50 enterprises. Moreover, Nirvanix has been awarded Statement on Auditing Standards No. 70 (SAS 70) Type II certification. SAS 70 Type II means that the organization has demonstrated adherence to the control processes for over a year.

Riverbed Whitewater Appliances and the Nirvanix SDN

Nirvanix and Riverbed have combined the best of their development teams and expertise to deliver a powerful cloud-optimized storage platform and a cloud-optimized access appliance to enable fast, reliable, secure access to the public cloud.

Key benefits of the cloud backup storage solution with Whitewater appliances and the Nirvanix SDN include:

- **Data Protection:** Whitewater appliances secure data during transmission to and from the cloud using secure socket layer (SSLv3), as well as at rest using 256-bit AES encryption. Security policies can be tested by access of security auditors to Nirvanix data centers.
- **Data Recovery:** Disaster recovery capability is greatly improved by local caching of data within Whitewater appliances as well as in the Nirvanix cloud that is designed specifically for customers with expectations of extreme security, reliability and redundancy levels.
- **Pay-as-you-go:** With Nirvanix SDN customers pay only for storage consumed. Whitewater appliances reduce data storage requirements by up to 30x to provide an extremely cost-effective solution. Customers can choose where they want to store their data within the Nirvanix SDN providing fast access from distributed locations.
- **Drop-in Installation:** Whitewater appliances act as targets for current backup software, requiring no expensive integration or complex configurations. Access to the Nirvanix SDN is extremely easy and fast enabling customers to move to the cloud in minutes—not hours, days or months.

About Riverbed

Riverbed delivers performance for the globally connected enterprise. With Riverbed, enterprises can successfully and intelligently implement strategic initiatives such as virtualization, consolidation, cloud computing, and disaster recovery without fear of compromising performance. By giving enterprises the platform they need to understand, optimize and consolidate their IT, Riverbed helps enterprises to build a fast, fluid and dynamic IT architecture that aligns with the business needs of the organization. Additional information about Riverbed (NASDAQ: RVBD) is available at www.riverbed.com.



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