Improve Performance and Reliability of Data Replication with Double-Take® Software and Silver Peak

When a critical server fails, administrators only want two things: they want their data back and they want it back now.

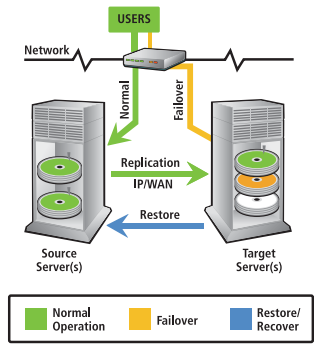
The continuous data replication capabilities of Double-Take and the proven WAN acceleration tech-nology provided by Silver Peak make leveraging real-time data protection for disaster recovery and business continuity a reality.

Continuous, Real-Time Protection from Double-Take®

Double-Take® Software offers the world's most relied upon solutions for recoverability, including continuous data replication, application availability and system state protection.

- Double-Take combines patented asynchronous replication and failover technologies; it captures and replicates changes, as they happen, to a secondary server at any location.
- The real-time copy of protected data can be leveraged to ensure users remain online in case of a failure. Double-Take has no distance limitations, thereby providing failover protection during local and regional failures.
- Double-Take is the only host-based replication solution that combines multi-level intelligent compression, scheduling and bandwidth throttling to ensure the efficient replication of data across standard LAN/WAN connections.

How Double-Take Works



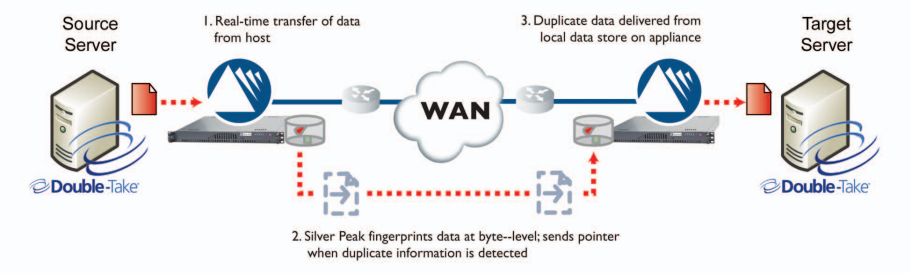
- Because it is hardware and application agnostic, Double-Take enables you to leverage existing investments in systems and connectivity while still achieving your disaster recovery and continuity goals.

Scalable WAN Acceleration from Silver Peak

Silver Peak is a leader in high performance Wide Area Network (WAN) acceleration. Silver Peak NX Series appliances leverage the following technology components to accelerate all enterprise applications securely and reliably:

- Network Memory inspects all traffic sent between clients and servers, storing information as a local instance in Silver Peak appliances. Repetitive information is delivered locally rather than sent across the WAN, improving application performance and WAN utilization.

How Silver Peak's Network Memory Works with Double-Take



- Advanced compression: Cross-flow payload and header compression ensure that data transmission across the WAN is as efficient as possible.
- Quality of Service: Silver Peak appliances support several QoS techniques, including advanced queuing/scheduling and application-based policies.
- Latency and Loss mitigation: Silver Peak uses TCP acceleration techniques, such as variable window sizing, to compensate for poor performance on high latency links.
- Secure Content Architecture™ : Silver Peak keeps enterprise data secure. All NX appliances are equipped with hardware-based AES encryption to protect local data stores and data "in transit" between devices.

About Double-Take Software

Double-Take Software is the standard in data protection for Microsoft® Windows® applications and provides accessible and affordable data replication and failover solutions for disaster recovery, high availability and centralized backup. With its partner programs and professional services, Double-Take Software is the solution of choice for over ten thousand customers, from SMEs to the Fortune 500, in the banking, finance, legal, retail, manufacturing, government, education and healthcare markets.

Double-Take Software
+1-888-674-9495
www.doubletake.com

About Silver Peak

Silver Peak improves backup, replication and recovery between data centers and facilitates branch office server and storage centralization by improving application performance across the Wide Area Network (WAN). The company's award winning NX appliances deliver exceptional performance improvements across all enterprise applications with unprecedented security and scalability.

Silver Peak Systems, Inc.
+1-408-935-1800
www.silver-peak.com

Improve Backup and Recovery Windows

Combining Silver Peak with Double-Take can significantly improve backup and recovery windows over a WAN. Silver Peak optimizes transfers across the WAN with no disruption to or reconfiguration of your existing server or network infrastructure. Double-Take captures and replicates changes, as they happen, to a secondary server at any location. By transferring more information in less time, enterprises can meet and exceed Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO), while minimizing IT costs.

Maximize Storage Efficiency and WAN Utilization

Both Double-Take and Silver Peak have data reduction technologies that minimizing storage requirements while increasing effective WAN capacity.

Silver Peak's Network memory fingerprints at the individual byte level, enabling Silver Peak to detect and eliminate repetitive patterns, even when Double-Take is performing similar functions. The data reduction process works in both directions of a WAN link, improving the backup/replication process while ensuring that the WAN can efficiently handle a restore if needed. In addition, Silver Peak fingerprints data across applications. Therefore if a file is sent via email or another application, it will be stored in "Network Memory". When that file is then sent across the WAN as part of a backup/replication, it is immediately treated as a "warm pass" whereby the information is delivered locally instead of re-transmitted across the WAN. This provides dramatic "first pass" performance improvements.

Silver Peak leverages advanced compression techniques to further reduce the amount of WAN bandwidth required for backup and replication. By providing compression within the acceleration appliance, this functionality can be offloaded from the host replication server, ensuring better scalability and performance. In addition, significant performance improvement can be provided even when non-repetitive information is sent across the WAN.

Increase geographic distances.

By eliminating the transfer of duplicate data and overcoming the impact of latency on WAN links, enterprises can extend the distances between data centers and disaster recovery locations. This increases operational flexibility and minimizes the impact of catastrophic disasters.

Ensure data security.

Silver Peak NX appliances use hardware-based AES encryption to protect network traffic and local content, ensuring that data is protected from unauthorized access throughout the entire replication and recovery process.

Cost effective scalability.

Silver Peak can support a full 500 Mbps WAN capacity with hundreds of thousands of simultaneous replication sessions in a single NX appliance. This enables enterprises to cost effectively support large data center environments