

Case Study

Customer: TechInsights, Kanata, ON

Project: Disaster Recovery Plan

Phase 1

Develop a cost effective data protection (backup) and disaster recovery solution that can be continuously tested with minimal effort. The recovery time objective (RTO) for 85% of TechInsights' data and services is less than 24 hours and under 4 hours for critical services. The solution must eliminate the need for tape backups completely.

Phase 2

Address the remaining 15% of TechInsights' data and services with the ability to restore 100% of all business operational services in under 12 hours.

Summary

TechInsights needed to solve two problems. The first being a need to eliminate tape technology from their data protection solution while ensuring they had proper off-site data storage without jeopardizing retention cycle requirements. They wanted higher efficiency, better performance, greater reliability and lower cost in their backup solution. Using tape solutions for backups has a higher administrative overhead and is ultimately more expensive and time consuming. The second problem was the need for a reliable and effective disaster recovery solution. The senior executive team needed to know their core business could continue to function after a disaster and that they could be back up and running in a reasonable timeframe so as to not negatively impact their customers.

Solution

Phase 1

Using MPLS, VLAN and firewall technologies a section of GridWay's data center has become an extension of Techinsights' providing a separate network and security topology. The Network Appliance iSCSI SAN is continuously mirrored using NetApp patented snapmirror technology. The VMware VMDK's are also included in this mirroring. In the event of a disaster the mirror relationship is broken and the GridWay side is enabled writeable after which VM's are brought on-line and users are notified.

Phase 2

The remaining physical on iron services will be virtualized and Veeam will be deployed for replication. The VHD portion of the NetApp snapmirror (many terabytes of data) will be transferred to Veeam replication using WAN acceleration allowing TechInsights the ability to quickly power on any instance and revision of their infrastructure. The remaining storage will continue to be replicated using NetApp snapmirror.

Benefits

Techinsight's executive team, as well as their customer base, can sleep easy knowing 100% of Techinsight's data is being replicated to GridWay's secure facility. The final solution will allow for a complete system recovery time of less than twelve hours for all core services. Techinsight's business is protected with 100% failover and redundancy providing the executive team peace of mind.

Company Profile

TechInsights is the global leader in intellectual property consulting, patent brokerage services & technical analysis. TechInsights follows a systematic approach developed as a result of working with some of the largest technology patent holders in the world. They help organizations Analyze, Strategize, Build, Defend and Monetize their patent portfolios. They have the largest global team of highly experienced patent and technology professionals who work together to solve even the most difficult IP or teardown challenges. The company is headquartered in Ottawa, Canada, and maintains offices and laboratory facilities in Canada, the US, China, Europe and Japan.



436 Hazeldean Road, Unit 101
Kanata, Ontario
K2L 1T9