



Case Study: Bit9



Summary: In the second quarter of 2013 Bit9 of Waltham, MA was experiencing rapid growth in their IT infrastructure. Specifically Bit9 was outgrowing their current storage platform and was in need of a solution that would support their current needs as well as grow with them into the future. Bit9's existing infrastructure consisted of VMware ESX Hosts as well as other physical servers running multiple Operating Systems.

Challenges: As increasingly sophisticated and destructive advanced threats proliferate, more businesses are turning to Bit9 for advanced threat protection of their endpoints and servers. In fact, more than 1,000 organizations trust Bit9 to protect more than 1 million endpoints with their unique brand of real-time visibility and prevention. Bit9 required a storage platform that would provide not only the necessary capacity, but would also provide a secure storage platform to support all the Bit9 applications. As a global provider of security solutions, Bit9 demanded zero single point of failure and the ability to implement the solution seamlessly into the existing infrastructure with as little downtime as possible.

Solution: WCA worked very closely with Bit9 resources and EMC engineers to design a solution based on the EMC VNX platform. After all aspects of the design were evaluated, WCA deployed a VNX5500 with approximately 30TB of storage. The solution included both Fiber Channel and 10GbE iSCSI. The iSCSI fabric was provided by Cisco Nexus switching. Included in the design was a backup and replication solution that included Veeam. The Veeam solution not only provided backup and replication to the Bit9 DR site, it provides a platform for Bit9 to replicate data to the Cloud. WCA consultants worked in conjunction with EMC on the deployment and the data migration. Included with the storage project was an upgrade to vCloud Director and the implementation of other server and desktop virtualization technologies.

Benefits: Upon completion, Bit9 had a new storage platform that provided significant increase in capacity, performance, and reliability. Bit9 was able to migrate from their legacy systems to the new storage platform with minimal impact to the company. The Fiber Channel technology allowed for backwards compatibility with their existing systems while the 10GbE iSCSI provided a more robust infrastructure to be utilized by their next generation systems.

Industry

Software Company
Waltham, MA

Environment

- Limited purchase & support budget

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Challenges

- 1:1 initiative
- BYOD initiative
- Infrastructure to support HVAC

Solution

- Virtual Desktop Infrastructure
- EMC SAN
- HP Blades & Procure Solution
- Installation of Aerohive Wireless