

Case Study: Security Vulnerability Resolution

Project objectives

One of the world's largest providers of human resource management services wanted to migrate over 100 enterprise applications to a hosted cloud environment as part of a broader strategy to modernize and secure its applications. A major portion of the project involved identifying and remedying dozens of enterprise applications that had serious security vulnerabilities in them.

The HR provider, which employs more than 30,000 people and maintains a presence in 90 countries, needed a partner that could help it scan, detect, identify and remove malware and other security threats from infected systems before migrating them to the cloud. In order for the project to be successful, the company needed a partner that was familiar with Windows and Linux server security and had experience securing cloud servers and cloud management tools. It also needed someone with experience in cloud assessment, architecting, cloud application development, and configuration management.

Why we were chosen

After a vigorous vendor vetting process, the company selected WSM for its extensive experience and expertise helping small, medium and large business successfully migrate on-premise applications to the cloud. Since its launch more than a decade ago, WSM has migrated over 10,000 businesses and over 50,000 websites and applications to the cloud. It has also developed a wide portfolio of other services including web application development, website design, cloud assessment, custom programming, load testing, security remediation, infrastructure planning and web consulting services.

Our approach

In the first stage of the engagement, WSM assessed and identified all of the client's compromised enterprise applications and began emergency remediation work on them. The task included locking down all applications to maintain system stability and then initiating vulnerability scans in order to identify compromised systems. The client's source server environment consisted of well over 100 servers, many of them running mission critical applications. All systems that were identified as having vulnerabilities were isolated or quarantined from other systems while security patches were applied. During the remediation process, all content on the site was updated manually to mitigate the risk of further compromises.

Once the applications were secured, WSM did upgrades on all applications in order to bring them to current version levels. The applications were then migrated to a newly architected cloud environment at WSM partner Rackspace, a global leader in hybrid cloud deployments with hundreds of thousands of customers.



Fully architected cloud environment

In order to ensure the migration was successful, WSM had to first properly architect the destination server environment based on the client's unique business requirements. As part of this exercise, WSM considered the scalability and server redundancy requirements of the clients as well as its service level and regulatory compliance requirements. WSM also prepared the client's data for migration to the cloud and worked to ensure that the company's applications would run exactly the same once they had been migrated to the destination servers. In addition, over the 12-month engagement with the client, WSM performed load testing to ensure that the company's website and applications were fully optimized for the cloud.

About WSM

Website Movers International (WSM) pioneered the web/data server migration industry in 2003. Simply put, we are the first, largest, and most experienced migration specialists in existence today, and the only company with a core focus on migrations. We've moved more websites, applications/workloads and servers than all other migration providers - combined. If it sits on a server, we've likely migrated it or something very close to it.

In addition to our superior migration expertise, we provide a comprehensive suite of solutions including website design, custom application programming & development, load testing and performance optimization, hosting infrastructure planning/consulting, 24/7/365 proactive server management and administration, compromised website and server security diagnostics/remediation, data recovery and full-function web/hosted services support & maintenance.

From migration and development to full-spectrum support, WSM is your one-stop web and hosted services solution.

Contact a WSM Enterprise Migration Account Manager to start the process of migrating your business into the cloud!

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