Leading travel company saves time and cost on server hardware downtime with VMware solutions

A leading travel company was facing issues with physical server downtime caused by part failure. Fixing the hardware failure was time consuming and with an increase in the number of software applications, the hardware server count was also increasing. The company wanted to cut IT costs on physical servers and their yearly maintenance. They were therefore planning to virtualize their data center production site at Mumbai for their production applications running on physical servers.

Solution Deployed by Wysetek

Wysetek Systems Technologists Pvt. Ltd. assisted the company in achieving its objective through implementation of HP, IBM Blade Servers and VMware to virtualize & consolidate physical servers.

The VMware Capacity Planner tool was deployed to estimate the usage of the existing production servers and the VMware Conversion Tool (P2V) was used to convert the existing production physical servers. Post the solution deployment at the production data center site, the company also virtualized its branch office servers.

VMware Solutions at work

- VMware Infrastructure Enterprise Plus Edition with ESXi 5.5 upgraded to the ESXi 6.0.
- VMware vCenter Standard Edition
- VMware vCenter Operation Manager 5.8 to monitor & properly utilize the VMware infrastructure
- VMware Physical to Virtual conversion tool (VMware P2V tool)
- VMware Data Protection
- VMware High Availability

Deployment Environment

- VMware ESXi 6.0 configured & installed on 50 physical servers using HP, IBM Blade Servers
- IBM & EMC external storage mapped to all the ESXi host servers
- Most application softwares are now working on the VMware environment such as Travel Portal, Web Application, Email, Databases such as Oracle & SQL, Accounting Software etc.
- Guest Operating Systems – Windows 2003 (x32 / x64), Windows 2008 (x32 / x64), Windows 2012, RHEL, & Cent OS
- Physical HP & IBM Servers - 50 Nos.
- Storage – EMC & IBM storage with expansion units
- VM Servers - 470 Plus

Objectives achieved and benefits gained

VMware bought down and reduced the hardware server count required by different applications. It also helped to reduce the AMC and data center cost. As a result, the IT infrastructure is now smoothly managed with zero application downtime caused by server hardware failure and maintenance.