



“We have had 100% uptime since virtualizing our environment with VMware and have also noted significant savings in power and cooling”

—Shankar Gawade, VP-IT Infrastructure, ENAM Securities

KEY HIGHLIGHTS

Challenge

Consolidation of IT infrastructure to support migration to new datacenter, ease of manageability, high availability of critical systems while reducing datacenter power, cooling and real estate.

Solution

VMware virtualization has allowed ENAM to address all IT challenges, including significant reduction in power, cooling and real estate costs. Consolidation of servers through virtualization has also provided significant ease of manageability.

VMware at Work

VMware vSphere 4, featuring:

- VMware ESX 4.0
- vMotion
- Distributed Resource Scheduler (DRS)
- High Availability (HA)
- VMware vCenter Server 4

Deployment environment

- Dell Equallogic iSCSI SAN
- VMware ESX 4.0 on DELL Power Edge M610 Blade Servers
- Guest Operating Systems: Red Hat Linux and Windows Server 2003
- Virtualized production applications: Oracle Database (10g and 11g), Microsoft SQL Server 2005

ENAM Securities Private Limited

As one of India's leading financial service providers, with a long standing reputation for providing enhanced value to businesses, ENAM Securities Private Limited specializes in Investment Banking, Institutional Broking, Corporate Advisory, Equity, Debt and Capital Market services to Corporate and Institutional clients. ENAM is India's undisputed leader in mobilizing resources for IPOs. With over 5,000 dedicated franchisees, ENAM mobilizes approximately 25% of all funds raised in the Indian equity markets.

ENAM's IT infrastructure needed to provide an exceptionally high level of reliability and availability. There were over 126 servers including IBM rack and Blade servers deployed over different locations in Mumbai. These servers hosted a number of applications including Trading and Back Office applications, Exchange 2007, Oracle 10g/11g and SQL Server databases. Decentralization of data and resources presented inherent challenges in availability, provisioning and management. To address these challenges, ENAM decided to completely overhaul its IT infrastructure by consolidating resources into a new, state-of-the-art datacenter at Mumbai. The IT strategy devised included application, server and storage consolidation as well as WAN optimization. Virtualization was a key component of this strategy. “We needed to make applications, servers, skills and resources available in the shortest possible time, and virtualization promised to help us achieve these goals” says Shankar Gawade, VP, IT - Infrastructure.

VMware's vSphere and Microsoft's Hyper-V were evaluated as potential options for virtualizing ENAM's environment. Based on research conducted for potential TCO and ROI benefits, Shankar selected VMware. The move to a virtualized environment was quick and efficient. 10 DELL servers now host 54 virtual servers. All business critical applications and databases including Trading and Back Office applications, Exchange 2007, Oracle and SQL databases have now been virtualized. Shankar noted dramatic improvements in the IT infrastructure including significantly reduced server footprint, improved capacity and CPU utilization. Ease of provisioning and management and a dramatic reduction in power and cooling have also been observed. Deployment time for a new server has reduced from several hours to a matter of minutes and has proved invaluable in accommodating ENAM's rapid growth. VMware HA has proved invaluable, contributing to 100% uptime for applications hosted on the virtualized environment. Virtualization has also allowed Shankar to optimize Disaster Recovery plans and facilitated the creation of an offsite DR center with significant savings in hardware. VMware products have enabled ENAM to address all IT Challenges and provided a clear path for future growth.

Results

- Achieved server consolidation ratio of 5.4:1
- Server space savings of 85%
- Deployment time to virtual environment down from 2 to 3 hours to 15-20 minutes
- Reduction in physical servers down from 126 to 35-40
- 100% Application uptime
- Massive savings in power and cooling



CUSTOMER SNAPSHOT