



Case Study Title: Windows Server 2008 Active Directory / Exchange 2010 Migration Project

Project Length: 9 months

Responsibility: Project Management and Engineering

Budget: Approximately \$1M

Country: U.S.A.

Industry: Trading

Customer Profile: One of the largest trading companies headquartered in Japan.

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M&E conducts site survey service in prior to Helpdesk Management service as well as onsite production services by the existing Helpdesk staff, in order to analyze and consult with Help Desk Management better.

“Our survey includes various matters/items; such as hardware/software inventory, networking security, existing procedure, IT auditing, compliance & IT governance.”

Takumi Miyazaki, Director, System Integration Department, System Infrastructure Services

Business Requirements/Solutions:

- To implement new Windows Server 2008 Active Directory and Exchange 2010 servers as a replacement for the previous versions
- To design the new systems to achieve high availability, fault tolerance, and cost performance
- To plan and manage project phases to minimize user impacts and migration risks
- To create a document of server specifications, test cases, migration plan, and operation manual, and also conduct knowledge transfer to IT Division

Solutions Provided:

- In total a dozen of new Windows Server 2008 Active Directory/File servers were implemented each location including HQ and Data Center and migrated to a new server by phase.
- A domain controller at branch office acts as Read-Only Domain Controller (RODC).
- For Exchange, all the servers (Edge, CAS/Hub, Mailbox) are on virtual platforms utilizing VMware technology
- EMC storage is implemented for hosting mail databases, transaction logs, and VMware guest OS.

Benefits:

- Having a local active directory and file server increased reliability and a connection speed for shared files and contributed to reduce an unneeded network cost.
- RODC enhanced security, simplified AD management, and reduced replication traffic
- For Exchange, a virtualized environment significantly increased reliability, fault tolerance, and cost performance
- Implementing scalable system allows a customer to grow a number of users without major system changes and associated costs
- As we managed and engineered the whole project with successful client communications, there was no major impact or failure in implementing both systems



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