Success Story

COMPANY PROFILE

The client is a provider of information technology (IT) services and products, headquartered in Minato, Tokyo, Japan. They supply government agencies and private-sector companies with a range of IT services covering systems construction, maintenance and support, and outsourcing. Using its extensive experience in building highly reliable systems backed by state-of-the-art IT and network technologies, client aims to help realize an information society friendly to humans & earth.
KEY BUSINESS CHALLENGES

- The client was not able to manage cost expenditure related to hardware, downtime, maintenance, electricity, etc.
- High development cycle led to slower processing of “go to market” strategy.
- Creation & usage of a testing environment was a challenge.

SOLUTION

- Hyper-V is a server virtualization technology built into windows server that eliminates the need for third-party virtualization software which is used as a solution to the client’s problems.
- We used Microsoft system center virtual machine manager to manage client’s virtual landscape.
- With system center virtual machine manager, IT staff can centrally provision & maintain virtual machines.
- The client is able to monitor virtual & physical servers with the help of system center operations manager.
- Configuration & tuning of virtual machine performance is accomplished.
- Service management best practices are adapted & automated by utilizing service manager.
- Built-in processes for incident & problem resolution, change control, and asset lifecycle management is implemented.
Virtualization with Hyper-V - Architecture

Virtualization with Hyper-V - Architecture

Virtual Machine Manager
Management Server

Self Service Web Portal

Operation Manager Management Server

SCVMM Connector

SQL Server

Management Interfaces

Window Deployment Services (WDS)

Windows Software Update Services

VMM library Server

Virtualization Abstraction Layer

Hyper-V Hosts and Clusters

Storage/ Networking

NT’s Hot Buttons

was not able to manage the upshot of cost (hardware, downtime, maintenance, electricity etc.), the deployment which led to slower go-to-market, and creation and usage of a testing environment was a challenge.

SOLUTION

Hyper-V is a virtualization technology built into Windows Server that eliminates the need for third-party software. Prior to Hyper-V, System Center Virtual Machine Manager was used to manage its virtual landscape. We could centrally provision and maintain virtual machines. System Center Manager was used to monitor virtual and physical servers, and System Center Configuration Manager was used to tune virtual machine performance. System Center Virtual Machine Manager for automating and adapting service management practices, providing built-in processes for incident and problem resolution, change control, and asset lifecycle management.

BENEFITS

Hyper-V, the redeployment started within minutes. VM snapshots were enabled with just a few clicks. Cost and overhead of hardware — lack of downtime, easier maintenance, less electricity used. Over time, this all adds up.
BENEFITS

• With Hyper-V, redeployment can be initiated within minutes.
• VM snapshots were enabled with just a few clicks.
• Cost management is retained along with facing numerous hardware challenges such as lack of downtime, easier maintenance, lesser utilization of electricity.
• Immediate backup & improved disaster recovery posture with up-to-date snapshots of virtual machines.

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