



VIRTUALIZATION ASSESSMENT

OVERVIEW

Server virtualization eliminates the sprawl that resulted from the unnecessary proliferation of underutilized physical servers by deploying systems into virtual machines that can run safely and move transparently across shared hardware. However, preparing for this complicated transition requires in-depth knowledge of virtualization and the proper tools to develop the future virtual configuration.

The virtual assessment analyzes your existing server infrastructure and models a virtual infrastructure based upon your existing server workload characteristics, hardware preferences, and server component performance preferences. This information is processed to determine the optimal workload distribution and to identify the Total Cost of Ownership (TCO) for the virtualized configuration.

This service is intended for companies that own and operate at least 10 physical servers and have a desire to lower TCO for their IT environment.

SCOPE

- Analysis conducted on up to 100 Windows servers at a single location selected by the customer.
- Up to two days on-site.
- Assessment report created off-site to minimize disruptions to daily operations.

VALUE PROPOSITION

Server virtualization can cut IT costs, bolster application resiliency, increase business agility, and improve your Corporate Citizenship/Social Responsibility image. It is intended to reduce the number of physical servers in your data center by assessing the current server workload and identifying virtualization opportunities. Reducing the number of physical servers reduces capital and operating expenses and also lowers energy consumption. A business can expect a 40% cost savings associated with server virtualization.

OUR APPROACH

A VMware Certified Professional (VCP) consultant will:

- Use a proven and thorough approach to estimating the cost saving potential for virtualization.
- Apply best practice benchmarks for virtual machine workload distribution.
- Accelerate assessment process with a proven VMware server consolidation tool.

This assessment requires three participants who have the following responsibilities:

MorganFranklin Consultant. Leads assessment efforts and provides best practice knowledge of ongoing data center and infrastructure issues.

Client IT Manager. Plans and coordinates all IT projects.

Client Systems Administrator. Responsible for working with the consultant to resolve connectivity issues, if necessary.

The participants are involved in the assessment's key activities:

| ACTION | RESPONSIBILITY |
|--|----------------|
| Kickoff call | All |
| Data collector installation | Consultant |
| Gather server inventory and performance data | Consultant |
| Interview key stakeholders | Consultant |
| Create assessment report | Consultant |
| Present report findings | Consultant |
| Wrap-up/Next steps | All |

DELIVERABLES

- Up to 14 days of system performance data on existing Windows servers in your environment.
- Data analysis for the assessed physical servers.
- Server consolidation and virtualization assessment report including a TCO analysis of the sampled environment.
- Projected savings for virtualizing the remainder of the enterprise.

TECHNICAL REQUIREMENTS

- Dedicated networked Windows 2000 SP3 or higher machine with at least 500 MHz CPU, 256 MB RAM, and 2 GB free disk space.
- Local and domain administrator access to existing servers to gather data for use in analysis.
- Port 443 access to the Internet from the data collector machine.

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