



## Desktop Virtualization Assessment Service



### Successfully Implement a VDI for Business Users:

Lower costs, save power, and increase benefits of data center assets.

#### OVERVIEW

This Desktop Virtualization Assessment Service is designed to help IT organizations design and implement a Virtualized Desktop Infrastructure (VDI) for business users. Like Server Virtualization, VDI gives IT departments the unprecedented flexibility to lower costs, save power and increase benefits of data center assets. Virtualized desktop environments are managed and controlled from a central point in the data center allowing those virtual desktops to be delivered out to end users at any location. By separating out the actual physical location of the desktop from the end user access point, VDI makes it possible for end users to access a uniform and consistent version of their specific desktop from anywhere.

This Desktop Virtualization Assessment Service provides customers with a documented strategy to move forward with a VDI initiative. The interactive assessment involves meetings with stakeholders, reviews of applications, user groups and physical endpoints to determine the ideal candidates ready for VDI. Corporate Technologies will provide the guidelines, documentation and support for customers to move forward with their virtualization plans.

This Assessment is an important component of a complete Virtualization Solution Suite offered by Corporate Technologies. The Suite includes Server, Desktop, Storage and Networking virtualization services. We provide a full range of assessments, workshops, proofs of concepts, design and architecture assistance, implementation and advanced customization services to help organizations successful implement a virtualized infrastructure with the highest possible return on the investment.

#### CUSTOMER BENEFITS

*This Desktop Virtualization Assessment Service provides customers with a documented strategy to move forward with a VDI initiative.*

#### BENEFITS

- » Defines virtualization-ready desktop assets
- » Reveals VDI opportunities in the Enterprise
- » Estimates potential cost savings of implementing VDI
- » Estimates necessary hardware and software requirements
- » Expedites assessment process with Corporate Technologies proven methodologies and experience

**CUSTOMER BENEFITS**

*Corporate Technologies provides a comprehensive formal document that details server consolidation and virtualization recommendations.*

**DELIVERABLES**

Corporate Technologies provides a comprehensive formal document that details server consolidation and virtualization recommendations. We provide recommendations to move forward. The full report includes:

- » A summary of business goals, objectives and findings:
  - » Desktop mapping
  - » Assumptions
  - » Risks
  - » Client specific requirements
  - » Resource requirements
- » A description and cost of operating existing environment:
  - » Desktop performance, named desktops excluded from consolidation
- » A description and cost of operation for Virtualization scenarios:
  - » Forecasts the resultant performance of the target environment after virtualization.
- » A Return on Investment analysis:
  - » Quantifies expected payback for proposed virtualization scenarios
- » Architecture recommendations for Desktop Virtualization:
  - » High level architecture of the proposed virtual environment

**REQUIREMENTS**

Desktop Virtualization Assessments are delivered by a Corporate Technologies Senior Solution Architect. Systems engineers can be used to install tools and perform certain analysis functions. The client must have the following for the assessment to move forward:

- » Data Collection Host System:
  - » The collector must be hosted on a Windows machine within the company's network that can access target systems for observation and assessment. To discover target machines by using information stored in an Active Directory server, the collector should be installed on a host machine that is within the same domain as the Active Directory server. Although every environment is different, a single collector typically uses agent-less discovery to detect and monitor systems. Only one collector can be placed on a host.
- » Host System Requirements:
  - » Windows 2000 (Server or Professional) SP 3, Windows XP Professional, or Windows Server 2003
  - » Must use the English language version of Windows
  - » Collectors installed on a Windows XP system on which SP2 is installed, must have the Windows firewall turned off.
  - » Collectors installed on a Windows 2003 machine, must install the Win32\_Product class. This is required to enable the inventory feature to work correctly. Log on as an administrator, and open Add or Remove Programs in the Control Panel. Under Management and Monitoring Tools, look for the WMI Windows Installer Provider.
  - » WMI (Windows Management Instrumentation) or Remote Registry installed
  - » Minimum 1000MHz CPU

**CUSTOMER BENEFITS**

*This assessment gathers and analyzes the existing desktop computing environment and provides the TCO comparison of potential virtualization scenarios with the existing environment over the next three fiscal years.*

- » Minimum 512MB of RAM
- » 2GB of free disk space
- » Connection to the Internet with network bandwidth of 20,000 bytes per second during collection
- » A current version of MDAC (Microsoft Data Access Components)

**METHODOLOGY**

This assessment will collect on up to 100 desktops. The Virtualization Impact Assessment for Windows Desktops service gathers and analyzes the existing desktop computing environment and provides the Total Cost of Ownership (TCO) comparison of potential virtualization scenarios with the existing environment over the next three fiscal years. The value of desktop virtualization is based upon the premise that enterprise desktop virtualization strategies will typically deliver significant cost savings, provide availability and scalability, increase operational efficiency, reduce storage consumption, and simplify deployment and management.

Corporate Technologies Consultants interview the client team to gather business, technical and financial data which include current Windows Desktop infrastructure, desired IT environment, departmental or unique user requirements and selects a sample of desktop systems indicative of the varying workloads and needs of the majority of users across the organization. The agent-less collection module of the data collector toolset is used to gather inventory and performance data on the specific desktop environment.

Upon completion of the data collection phase, analysis is performed using the capacity planning module of a capacity planner toolset. With the aim of decreasing TCO, Corporate Technologies consultants develop virtualization scenarios and explain the technical and financial benefits as they relate to desired business goals. An assessment document, Desktop Virtualization Impact Report, describing current and potential virtualization environments is developed and delivered along with a presentation approximately eight weeks after kickoff.

**PROCESS**

Corporate Technologies will conduct the assessment according to the following process:

- » Pre-engagement Kickoff Meeting:
  - » Introduce team and defines roles and responsibilities
  - » Schedule start date
  - » Review Statement of Work
  - » Set expectations and timeline
- » Discovery:
  - » Provide a complete review of opportunity
  - » Perform Interviews with stakeholders to collect opportunity specific business and financial data
- » Infrastructure Audit and Data Collection:
  - » Installation of data collection software and verification of performance data transfer
- » Analysis of Findings:
  - » Provide a complete summary of findings

**CUSTOMER BENEFITS**

*An assessment document, Desktop Virtualization Impact Report, describing current and potential virtualization environments is developed and delivered along with a presentation approximately eight weeks after kickoff.*

- » Identify all candidates for virtualization
- » Deliver a readiness assessment
- » Define risk areas
- » Summarize high level recommendations and next steps
- » Deliver initial findings
- » Final Presentation:
  - » Provide client with formalized document with all complete contents listed in the “Deliverables” section above.

**TOOLS**

- » VMware Capacity Planner

**IMPACT**

There is little to no notable impact to customer environment. The Data collection process is agent-less. It collects performance statistics every hour, less than 1% CPU draw and minimal network traffic. The tool requires Internet access to portal server.

**PRICING AND SCOPE**

Corporate Technologies Desktop Virtualization Assessment is a fix pricing model.

This service is approximately an eight week engagement for up to two Corporate Technologies consultants which includes documentation and off-site work. Please contact Corporate Technologies for pricing information.

**ABOUT CORPORATE TECHNOLOGIES, INC.**

Corporate Technologies provides consulting services, project staffing, and systems integration to clients seeking continual transformation and optimization of their IT and Data infrastructures. Through the effective use of Virtualization, Cloud Computing, and High Impact Business Intelligence, we help our clients reduce operational costs, protect critical IT assets, and position themselves for growth.

We leverage the power of Information Technology to meet our clients’ strategic and critical business goals—reducing cost, increasing revenue, and mitigating business risk. We focus on giving IT professionals the resources they need to successfully solve complex business challenges through the use of innovative, high quality and cost effective IT solutions, services, products, staff and strategic recommendations resulting in long term and mutually beneficial relationships.