Datacenter of the Future

OBJECTIVE
A significant shift is emerging in enterprise computing that will have profound implications for the next 10 years of the datacenter. Rapid advances in virtualization technologies and scale out computing as well as ongoing IT consolidation initiatives are causing operations managers to re-think their strategies around datacenter design and systems architectures.

As CIO's and CTO's become increasingly pressured to align their IT organization with the business and prove value, infrastructure managers are, in parallel, addressing demands for increased service levels, power & cooling, and speeding time to market and application performance. These modifications are brought about by changes in technology and business.

VALUE FOR SUBSCRIBER

• Better understand how changes in systems and networks are impacting datacenter operations
• Improve opportunity analysis by leveraging IDC's Enterprise Datacenter Market Model
• Assess the alignment of technology roadmaps against customers' expectations

KEY QUESTIONS ANSWERED

• How many enterprise datacenters are there in the US? What types of datacenters are they? What defines a leading edge datacenter?
• What changes are customers expecting to make to their datacenters over the next several years?
• How will datacenter imperatives impact hardware choice? How do advances in network bandwidth shape datacenter configurations?
• Are vendors technology roadmaps aligned with customer expectations for datacenter operations?
• Are emerging technologies changing the way datacenter managers approach power and cooling?
• Who are the key decision makers for strategic infrastructure decisions? What role does the line of business play? How will systems management software shape the future datacenter?
• How does the ideal or "clean-slate" datacenter compare to today's datacenter reality?

METHODOLOGY

• Conduct interviews with 15 CIOs/CTOs, leading IDC analysts and major server, storage and networking vendors regarding their vision for the future of Enterprise Computing
• Leverage IDC's extensive primary research to build a market model for the number of US enterprise datacenters.
• Categorize the number of datacenters into several categories, including IDC's Datacenter Taxonomy, company size and industry

SCOPE OF STUDY

This report will lay out a 10-year vision for Enterprise Computing and its impacts on the datacenter. Included is a summary of conversations with 15 leading CIOs and major server, storage and networking vendor futures. Also included is an IDC model that sizes the number of US datacenters.

SUBSCRIBER PROFILE

• Server and Storage Vendors
• Networking Vendors
• Systems Management Vendors

DELIVERABLES

Datacenter of the Future: Market Analysis and Forecast

• Summary of interviews with 15 CIOs/CTOs
• Summary of interviews with leading IDC analysts
• Summary of interviews with systems and networking vendors
• Market model sizing for the number of U.S. datacenters by type of datacenter
PRICE $20,000

PROJECT SCHEDULE
Study Kickoff October 2005
CIO Interviews October – November 2005
Vendor Interviews November 2005 – January 2006
Market Model and Final Report February 2006

PROJECT TEAM
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