

IBM and Citrix provide a scalable, highly reliable platform for the on demand enterprise



In a competitive, rapidly evolving business economy, anytime, anywhere access to information is essential for growth and competitive advantage. Chief information officers and IT managers are increasingly challenged to deliver on demand access—efficiently and cost-effectively—in an environment of system and end-user complexity. An IT department for a global company might be required to publish enterprise content management applications to thousands of desktops worldwide. Or perhaps a growing medical practice is gradually expanding its infrastructure to add physician offices throughout a city. The hardware and software products from IBM and the tools from Citrix Systems help equip enterprises of all sizes in diverse industries for an on demand world.

Highlights

- *Enable IT staff to manage heterogeneity through central application deployment and management*
- *Provide easy access to enterprise applications, information, processes and people—virtually anywhere, anytime—using any device or any connection*
- *Deliver the reliability and scalability in application, server and storage products required by the on demand enterprise*
- *Offer resiliency and business continuity through sophisticated virtualization and automation technologies*
- *Help optimize current IT investments while efficiently managing information throughout its life cycle*

Pay-as-you-go solutions for virtually anywhere, anytime access

Building an access infrastructure

An access infrastructure includes the specific tools companies require to meet a particular access challenge to improve business agility and drive growth. Citrix is a global leader in access infrastructure for the on demand enterprise and a trusted name in enterprise access. The Citrix® family of products offers employees access to centralized applications through the Citrix MetaFrame® Access Suite and remote access to individual desktop computers through the products of the Citrix Online division.

Nearly 50 million people in more than 120,000 organizations worldwide rely on the MetaFrame Access Suite to provide access to mission-critical applications so they can do their jobs, and Citrix Online products are used by more than 4,900 companies worldwide.

These organizations include some of the world's most successful companies—100 percent of the Fortune 100, 99 percent of the Fortune 500, 97 percent of the Fortune Global 100 and 92 percent of the Fortune Global 500.

The integration of IBM and Citrix offerings provides clients with an access infrastructure built on high-performance IBM hardware and software including IBM® @server® systems, IBM TotalStorage® products, IBM WebSphere® Internet infrastructure middleware and IBM Tivoli® Storage Manager. The result is a scalable, highly reliable computing platform that supports Citrix's advanced MetaFrame Access Suite—helping give companies and their customers on demand access to the information they need.

MetaFrame Presentation Server: The platform for the on demand enterprise

The Citrix MetaFrame Access Suite includes four integrated applications: MetaFrame Presentation Server, MetaFrame Secure Access Manager, MetaFrame Password Manager and MetaFrame Conferencing Manager. These components work together seamlessly to power the on demand enterprise. The MetaFrame Presentation Server, the foundation of the MetaFrame Access Suite, is, according to industry statistics, the world's most highly deployed presentation server for heterogeneous applications and for publishing their functionality to the end user anytime, anywhere. As reported in a 2002 IDC report on server-based computing, Citrix has a 76 percent revenue share in server-based computing.

“Our clients consistently want to hear about interoperability. With IBM products we can say that our MetaFrame Presentation Server has been installed with a wide range of IBM servers and storage platforms in real-world situations and that may give clients greater confidence in our solution.”

Mike Ballenge
Director of IBM Alliance
Citrix Systems

The MetaFrame Presentation Server helps enterprises align business goals with IT resources by providing powerful management tools that enhance administrative efficiency and increase system control for IT and network managers. Through the following key features, the MetaFrame Presentation Server provides a common interface for administrative functions, support for larger server farms, a robust report center and the ability to view the infrastructure through a custom dashboard:

- **Management console for the MetaFrame Access Suite**—gives administrators a convenient interface for managing MetaFrame Presentation Server deployments

- **Custom dashboard views**—provide a pictorial representation of the MetaFrame Presentation Server infrastructure for fast assessment of its performance

With its SmoothRoaming capability, the MetaFrame Access Suite allows wired and wireless users to be more productive by giving them access to applications and information when they switch from one device or location to another or lose and regain network connectivity. This feature also helps ensure the richest user interface possible when switching from a full-size desktop to a handheld device. A physician moving from one workstation to another in a

hospital and a supervisor reviewing the factory line staff, for example, enjoy continuous access and a consistent user experience.

The MetaFrame Presentation Server can run on Microsoft® Windows® operating systems or provide access to UNIX® and Java™ applications supporting IBM and non-IBM platforms. Clients will receive the added value of a solution with excellent performance in a real-world customer environment—both during implementation and beyond.

Help reduce total cost of ownership

Providing and maintaining business resilience for continuous access to information across the enterprise can often mean the difference between gaining and losing competitive edge—whether implementing a major IT upgrade, managing information during day-to-day operations or protecting business continuity during unanticipated outages. With IBM hardware and software and Citrix enterprise applications, you can build an IT infrastructure that helps you and your customers access information virtually anytime, anywhere.

Pay-as-you-go solutions for virtually anywhere, anytime access

- **The IBM ServerProven® program**

Products bearing the IBM ServerProven emblem have been verified as installed and running on an IBM server in a real-world customer environment. The MetaFrame Presentation Server has been designated as an IBM ServerProven solution with IBM BladeCenter™ servers.

- **The IBM TotalStorage Proven™ program**

Building on IBM's extensive interoperability efforts, the IBM TotalStorage Proven logo signifies that solutions bearing the IBM TotalStorage Proven designation have been identified for interoperability with select IBM TotalStorage products to help customers streamline the process of identifying products and solutions.

With IBM and Citrix products, clients can publish information across the enterprise while supporting business continuity. Clients have an opportunity to achieve an outstanding total cost of

ownership for a high-performance infrastructure that can support the rigorous IT requirements of today's successful on demand business.

The IBM @server platform: The backbone of an on demand infrastructure

IBM @server platforms offer outstanding performance, scalability, reliability and security. The @server BladeCenter is an integral part of the IBM @server product line—advanced servers that can help lower costs and improve efficiency while delivering the interoperability required to share information across the enterprise. The foundation of the technologies for these servers draws on decades of mainframe experience as well as IBM leadership in research and development. Combined with new virtualization capabilities and tools for managing end-to-end growth, risks and costs, IBM @server platforms are designed to handle the rapid growth and ever-changing needs of today's on demand world.

The IBM TotalStorage DS Family: Power and freedom for an on demand world

IBM TotalStorage solutions support consolidated, highly integrated and easy-to-manage storage infrastructures that can help enable two key benefits:

- **A reduced total cost of ownership**
by providing a flexible environment that can allocate frequently accessed or high-value data to more higher performance storage resources, and archives less frequently used information to less costly ones
- **A reliable storage infrastructure**
with advanced copy and mirroring capabilities to help enable the protection and recovery of research and clinical data in the event of system failure

The IBM TotalStorage DS Family of disk storage systems includes:

- *DS8000 series—Setting new standards in functionality, linear scalability, performance and investment protection for enterprise-class disk systems that are designed for the most demanding IT environments*
- *DS6000 series—Offering enterprise-class functionality with a dramatically reduced size and price*
- *DS4000 series—Delivering attractively priced storage systems for heterogeneous UNIX and Windows environments*
- *DS300 and DS400 products—Providing low-priced systems for entry-level storage environments*

Particularly well-suited to the small-to-medium business is the DS4000 series, which delivers attractively priced storage systems for UNIX and Windows environments:

- **IBM DS4000 series**

The IBM TotalStorage DS4000 series of storage systems offers a flexible, high-performance platform designed to allow companies to institute a scalable storage infrastructure with high availability and resilience at every stage. Equipped with 2Gb Fibre Channel interfaces, the DS4000 series is designed to deliver high-bandwidth performance for a wide variety of Intel processor-based running UNIX, Linux® and Windows operating systems. With modular designs and models at multiple price points, DS4000 storage systems can be used as storage add-ons or integral components of multi-tiered enterprise infrastructures. The Metaframe Presentation Server has been validated as compatible with the DS4300 and is now part of the IBM TotalStorage Proven program.

The IBM TotalStorage DS Family is designed to combine cost-effective scalability and a more consistent method to store and access data across platforms, including IBM @server pSeries®, iSeries™, xSeries® or zSeries® servers and non-IBM server platforms.

Benefits of working with IBM and Citrix

IBM has the technology to provide end-to-end e-business on demand solutions combined with the resources to port, tune and optimize Citrix applications. In addition, throughout any engagement, both IBM and Citrix can each support clients with a range of integration, strategic consulting and process improvement services. IBM and Citrix can help clients dramatically improve business results by leveraging the power of on demand computing to foster collaboration and innovation across the entire value chain.

For more information

To learn more about IBM and the Citrix family of products, please contact your IBM representative or your IBM Business Partner, or visit:

ibm.com/solutions/us

For additional information on Citrix and IBM solutions, visit:

citrix.com/ibm



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