

## **Fact Sheet: IBM SmartCloud Desktop Infrastructure**

**Armonk, New York, June 29, 2012** -- IBM (NYSE: IBM) today introduced a set system, storage, software and services solutions designed to provide clients a simple, secure, cost-effective way to manage virtualized desktop infrastructure (VDI) environments.

The IBM SmartCloud Desktop Infrastructure solutions are powered by IBM System x and PureFlex servers, IBM System Storage and Software, and services. Supported by three of the industry's top virtual desktop solution provider, the IBM portfolio provides customers significant flexibility and choice.

Configurations include enhanced memory, high-speed I/O and industry-leading availability and reliability features, a combination designed to reduce operating costs, simplify management and ease the transitions to virtualized desktop infrastructure environments.

### **IBM System x and PureFlex Systems**

- The IBM System x3650 M4's energy-efficient design supports more cores, memory and data capacity in a scalable 2U package that is easy to service and manage. The cost-effective, reliable system offers clients outstanding uptime, performance and I/O flexibility. It is an affordable, energy-smart, easier-to-use rack solution with a pay-as-you-grow design to help cut costs and manage risks.
- The IBM System x BladeCenter HS23 provides flexible options to support a broad range of workloads, including virtualization and enterprise applications. Optimized for performance and highly scalable I/O, the combination of integrated 10 GbE Virtual Fabric, 16 memory slots and the latest Intel Xeon processor technology makes the two-socket IBM BladeCenter HS23 blade server ideal for desktop virtualization deployments.
- The IBM Flex System x240 Compute Node is a high-performance Intel Xeon processor-based server that offers outstanding performance for desktop virtualization with new levels of scalable I/O, CPU performance, memory capacity, and flexible configuration options. It is part of the IBM Flex System family, integrating multiple server architectures, networking, storage, and system management capability into a single system that is easy to deploy.
- The IBM SmartCloud Desktop Infrastructure solutions provide a choice of storage alternatives depending on the client's requirements. IBM Storwize V7000 Unified storage provides both block and file volumes to complement virtual desktop environments. The storage systems offer superior enterprise class capabilities that include thin provisioning, automated tiering, internal and external virtualization, clustering, replication, multiprotocol support, and an advanced graphical user interface. The IBM System Storage N Series offers additional choices to

organizations facing enterprise data management challenges. It is designed to deliver enterprise-class storage and data management value at a midrange price. Built in enterprise serviceability and manageability features help increase reliability, simplify and unify storage infrastructure and maintenance, and deliver exceptional economy.

N series products also provide a wide-range of network attachment capabilities to a broad range of host and client systems using multiple network access protocols, including file system NAS protocols (CIFS, NFS) and block I/O protocols including iSCSI and FCP all from a single hardware platform, simultaneously.

### **Top VDI Solution Providers Helping Deliver Tangible Results Faster**

IBM SmartCloud Desktop Infrastructure solutions were built from the start to deliver tangible results faster working with leading software solutions providers such as Virtual Bridges, Citrix and VMware.

- IBM and Virtual Bridges provides an end-to-end desktop management solution with more flexible and efficient operating modes. The solution includes virtual desktop infrastructure (VDI), integrated offline VDI for disconnected and mobile use, and remote branch support. It can also provide greater flexibility and choice by supporting virtual Windows desktops (Microsoft Windows XP and Microsoft Windows 7 platforms), Linux desktops -- including Ubuntu, Red Hat and Novell platforms -- and a variety of storage, peripherals and remote display protocols.
- Virtual Desktop market leader Citrix is working with IBM to help transform Windows desktops, applications and data into a cloud-like service that is accessible on virtually any device, anywhere. Citrix offers tailored solutions for organizations -- from the affordable, all-in-one VDI-in-a-Box for simple IT organizations to the enterprise-complete XenDesktop, a robust virtual desktop solution for almost every user that features multiple delivery models. Both solutions provide a rich, high-definition user experience across any network using Citrix HDX technologies.
- VMware View helps simplify desktop and application management while enhancing security and control. Delivering a personalized high-fidelity experience for end-users across sessions and devices, VMware View enables higher availability and agility of desktop services and can help reduce the total cost of desktop ownership. End-users can enjoy new levels of productivity and the freedom to access desktops from more devices and locations while giving IT greater policy control

### **IBM Software and Global Services**

IBM SmartCloud Desktop Infrastructure solutions enable easy integration with optional security and endpoint management technologies that include:

- IBM Security Access Manager for Enterprise Single Sign-On, which can offer streamlined user access with automated sign-on and sign-off plus a single password for all applications that can reduce help desk costs, improve productivity and strengthen security for virtualized desktops.
- IBM TivoliEndpoint Manager—built on BigFix technology—combines endpoint and security management into a single solution that enables clients to see and manage physical and virtual endpoints, such as servers, desktops, roaming laptops, and specialized equipment such as point-of-sale devices, ATMs and self-service kiosks.
- Transitioning to a virtualized environment from traditional desktops can be a time-consuming effort, often requiring specialized skills not always readily available in house. Implementations must be carefully managed to support a wide variety of users, applications and complementary software to help provide the security and management functions necessary to succeed.

Using time tested methods, proprietary tools and extensive expertise developed through real-world client implementations, IBM SmartCloud Desktop Services from IBM Global Services can help accelerate the transition to a less complex, virtualized desktop environment.

### **About IBM**

For additional information about IBM SmartCloud Desktop Infrastructure, System x and BladeCenter solutions, visit:

<http://www-03.ibm.com/systems/x/solutions/desktopvirtualization/index.html> and  
YouTube Channel: <http://www.youtube.com/watch?v=ILsEDNgkdK8>

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