NComputing™ | vSpace™ Server

vSpace key features

- Highly optimized for best price:performance
- Supports up to 100 user sessions per operating system.
- Communicates with virtual desktops via the NComputing User eXtension Protocol (UXP)
- Dynamically detects, compresses and accelerates multimedia
- Increases server CPU utilization with selective virtualization
- Compatible with industry leading applications, OS and server virtualization solutions
- Supports multiple versions of Windows and Ubuntu Linux
- Desktop roaming enables complete flexibility in workplace environments

NComputing vSpace Server allows multiple users to share a single operating system—all at the same time, and at revolutionary low costs.

NComputing's patented vSpace Server divides a computer's resources into independent virtual workspaces that give each user their own rich PC experience. vSpace handles the desktop display and remote activities from the user's keyboard and mouse (via the virtual desktop) providing up to 100 users simultaneous access to a single Windows or Linux operating system instance. And, because we design the entire stack, software, protocol and hardware, only NComputing can deliver a highly optimized and performant, end-to-end desktop virtualization solution.
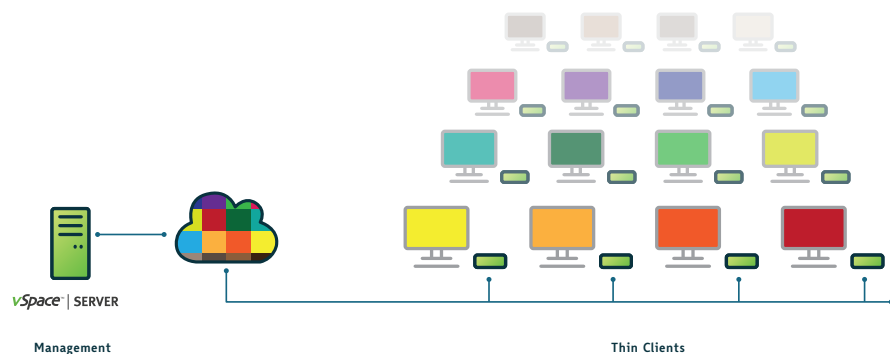
vSpace also integrates with server virtualization infrastructure solutions from VMware, Citrix and Microsoft. It extends their value by changing the typical virtual desktop structure from one user per virtual machine to up to 100 users per virtual machine. When paired with server virtualization infrastructure solutions you can support hundreds of users on a server with a minimal number of operating systems.

Selective virtualization

vSpace utilizes a multi-layer virtualization technique which selectively virtualizes only the necessary elements of the OS and hardware and combines that with session management to provide a great user experience with the system resources that are applicable to the user.

Open, flexible OS support

NComputing offers the broadest platform support of any desktop virtualization vendor and allows users to choose among the most popular OS platforms including Windows Server 2008 R2/2003, Windows MultiPoint Server 2011/10 and Ubuntu Linux 10.04 for multi user applications, and Windows 7 64/32 bit and Windows XP for single user applications.

vSpace™ | SERVER

Management   Thin Clients

TYPICAL vSPACE CONFIGURATION: vSpace Server allows up to 100 users to share a single operating system as if it were their own unique operating system.

Secure & convenient desktop roaming

Desktop roaming, or session mobility enables a user to logoff from one client workstation and have their session "follow" them to another client workstation, enabling complete flexibility in the work environment.

vSpace™ Server

Centralized management

The vSpace management console sets up, configures, and manages shared computers and access devices, allowing you to:

- Remotely control a user session with user permissions.
- Securely configure devices centrally with the ability to control who can connect USB devices
- Automate the deployment process by using a profile to configure all other access devices in the environment
- Assign host computer USB ports to individual users

Rich multimedia support

NComputing has created its own optimized and highly efficient User eXtension Protocol (UXP), giving users a full, rich PC experience with the most responsive and interactive streaming video, Flash and 3D graphics.

Broad peripheral support

vSpace manages a wide range of peripherals from speakers and microphones to USB storage devices and printers. vSpace assigns remote USB disk-on-key drive letters on a per session basis, it enables kiosk, POS, and other touchscreen applications for specific Planar and ELO touchscreens and it enables support for more concurrent users playing and recording audio simultaneously.

KEY FEATURES	• Automatically distributes shared computer resources among multiple independent user sessions • Selective virtualization keeps resource utilization low • Communicates with access devices via NComputing's own optimized and highly efficient User eXtension Protocol (UXP) • Compatible with operating system virtualization solutions for both 1:1 and 1:many configurations • Includes administration console to manage access device settings, sessions, and updates • Strong Concurrent Audio Performance supports more users playing and recording audio simultaneously • Assigns remote USB disk-on-key drive letters on a per session basis.
ADMINISTRATION CONSOLE FEATURES	• Provides information about active sessions • Send message to any current session • Stop session for any current session • Network broadcast of a message to any session on the same network • Shows applications running, station names, user names, connection status, IP address (L-series only) • View station and remotely control the mouse and keyboard (L-series only)
SERVER COMPONENTS	• vSpace Server • Internet registration utility • Update utility • Virtual Audio and Video Drivers • Virtual USB Driver (L230 only)
SUPPORTED ACCESS DEVICES	• L-series (L130, L230, L300) • X-series (X350, X550)
SUPPORTED OPERATING SYSTEMS*	• Microsoft Windows 32 and 64-bit • Ubuntu Linux 32 and 64-bit

* Please refer to the Microsoft operating system licensing requirements and technical details at www.ncomputing.com/mslicensing. Specific Linux support information is available in the NComputing Knowledge Base.

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