

# NComputing virtual desktop infrastructure solutions

Addressing enterprise complexity with simplicity

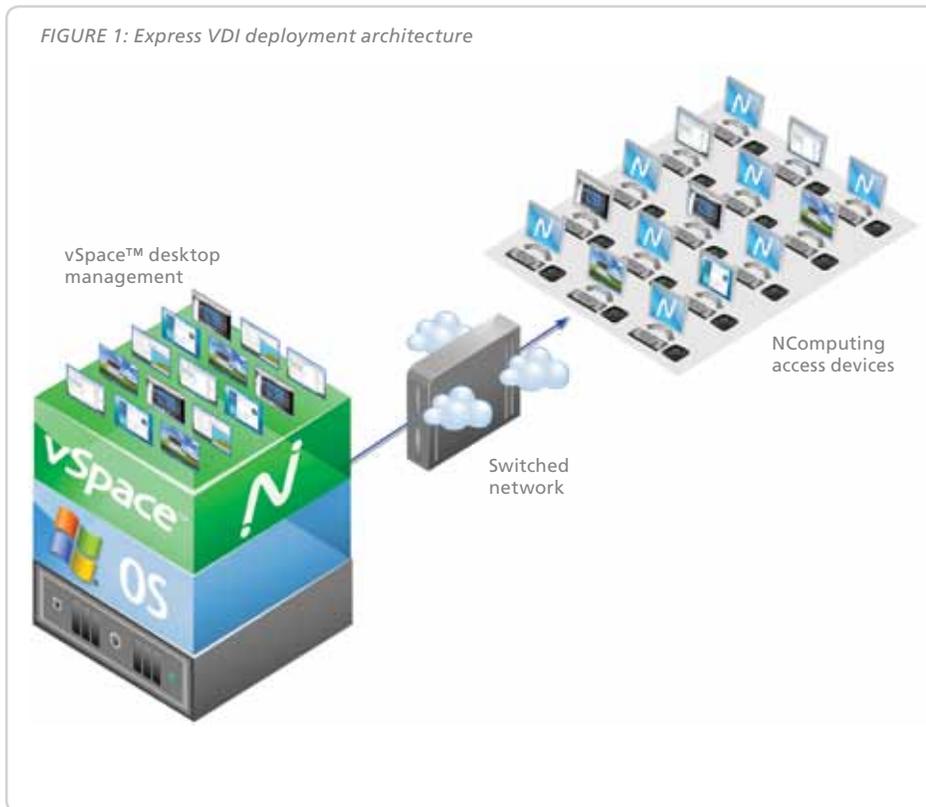
## Introduction

Desktop PC management is overly complex. IT departments are faced with a countless number of PCs to deploy, maintain, patch, update, and track. Frequently, each employee PC is unique with customized experiences that complicate centralized management of each resource. In short, IT departments struggle to effectively manage the vast number of desktops deployed across the enterprise.

NComputing addresses growing enterprise complexity with simplicity. We expand a desktop PC environment from a single physical machine to a multi-client/server computing model. That is, a user's desktop is hosted remotely and accessed via a thin client device over the network. A user no longer has a physical PC at their workstation.

## NComputing solutions

FIGURE 1: Express VDI deployment architecture



### Enterprise challenge

Desktop Virtualization (VDI) has promised Enterprise customers many attractive benefits including:

- Fewer desktops to manage
- Better service quality
- Improved IT productivity
- Decreased operational costs

However, the success of VDI deployments have been mixed. This is due to the fact that traditional VDI solutions face many challenges including:

- Complexity of VDI deployment and management
- Cost of network bandwidth and VDI Infrastructure
- Technical limitations of VDI (drivers support, performance)
- Operational changes to business process and employee skill-set

NComputing's approach to VDI is to address growing enterprise complexity with simplicity, instead of adding more complexity. This helps organizations achieve one simple goal: successful VDI with minimal time and investment.

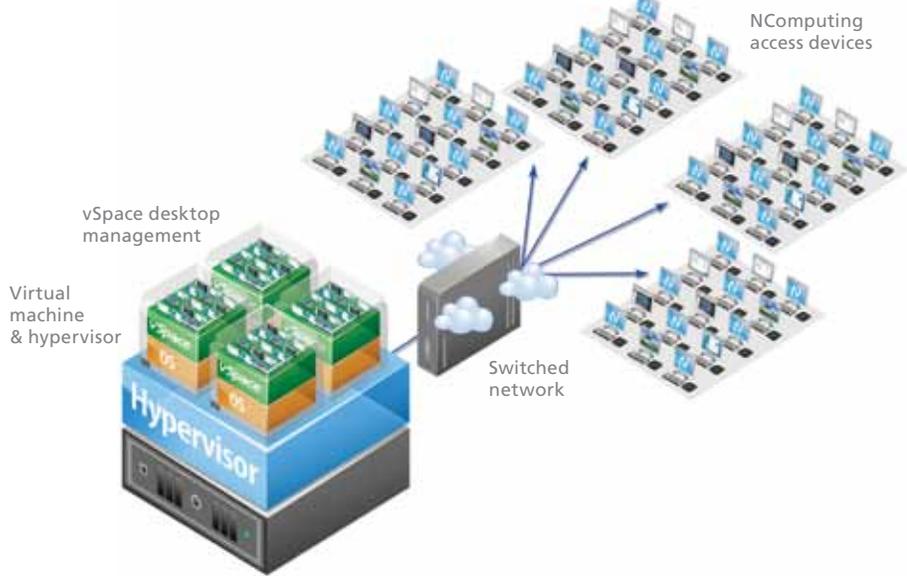
### Express VDI

Most VDI solutions can be difficult to implement technically and are prohibitively expensive because they force companies to install more equipment and software than they need. NComputing offers enterprises a simple VDI architecture that is inexpensive, fast, and repeatable across the enterprise—Express VDI.

Express VDI deployments focus on PC replacement and distributed virtual desktop environments in regional datacenters and server rooms. This allows enterprises to ensure that desktop virtualization is an appropriate solution for end users without requiring expensive VDI management infrastructure investments, network bandwidth upgrades and Storage Area Network (SAN) upgrades.

Express VDI deployments are simple, fast, and just work! IT departments can deploy a complete end-to-end solution in hours or days rather than weeks or months.

FIGURE 2: Enhanced VDI architecture



### Enhanced VDI

NComputing integrates easily with ALL traditional virtual infrastructure solutions including VMware, Citrix, and Microsoft\*. NComputing vSpace software complements and enhances the value of traditional VDI technology by increasing the number of supported users per OS.

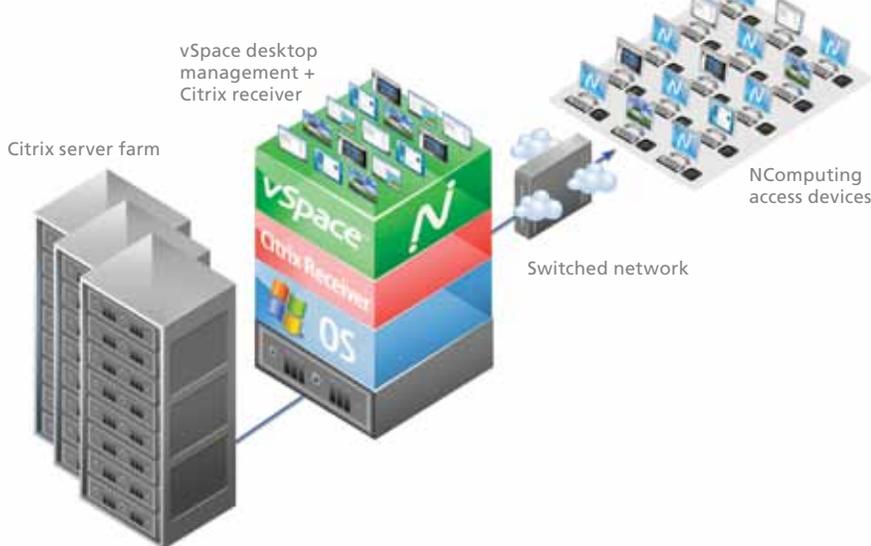
Whereas a traditional virtual desktop infrastructure (VDI) deployment has one user per OS, NComputing supports many users on a single OS. This reduces ongoing OS maintenance costs, reduces infrastructure required, and prevents virtual machine sprawl in your VDI deployment. In short, NComputing augments a single virtual machine to support more than 30x the number of users of a traditional virtual machine, thus maximizing server and SAN bandwidth capacity.

### Thin client replacement for Citrix server farms

In today's IT environments, Citrix server farms can be extremely complex and costly to manage for IT Departments. NComputing reduces this complexity by eliminating the need to download and maintain local desktop clients to access Citrix virtual desktops.

NComputing vSpace for Citrix enables enterprises to integrate their Citrix server farms with NComputing access devices. End users no longer require a traditional desktop PC to access Citrix-enabled devices and IT departments can eliminate the cost of managing remote client applications for each user to access Citrix enabled applications.

FIGURE 3: NComputing vSpace for Citrix deployment architecture



## Conclusion

NComputing simplifies VDI by cutting ongoing maintenance costs, reducing the infrastructure required, and preventing virtual machine sprawl in your VDI deployment. Our approach enables an enterprise to quickly address their performance requirements, eliminate extra costs, and avoid budget surprises.

\* Please refer to the Microsoft operating system licensing requirements and technical details at [www.ncomputing.com/mslicensing](http://www.ncomputing.com/mslicensing). Specific Linux support information is available in the NComputing Knowledge Base. Application software, client access and operating system licenses for the shared PC and access devices may be required by the respective software vendor and must be purchased separately. Windows is a registered trademark of Microsoft Corporation in the United States and other countries. Additional software licenses may be required by the software licensors. Please check your software user license agreements to ensure your continued compliance with such agreements.