

Virtualize Your Budget

Provide state of the art computer access to everyone in your company who needs it because your business shouldn't be limited by the number of PCs it can afford.

The proliferation of PCs has become a burden on IT departments as they struggle to maintain, update and continually replace outdated, lost or stolen PCs. Desktop virtualization provides an alternative to the traditional "one PC per user" model and enables any business, from small and medium sized businesses (SMBs) to large enterprises, to design an IT infrastructure at significant cost savings while still meeting the computer performance demands of a growing business.

NComputing's desktop virtualization technology offers the best price performance in the industry, delivering the highest user density per dollar. That is, we provide the largest number of users per host hardware at the lowest cost per seat. As a result, our customers have been able to:

- Cut up-front PC acquisition costs by 75%
- Reduce maintenance and support costs by 75%
- Reduce power and cooling requirements by 90%
- Reduce device theft and loss

Office in a Box

NComputing, along with its partners, has designed the Office in a Box solution for small and medium sized businesses desiring a low cost and easy to deploy alternative to the "one PC per user" model. Office in a Box is an all-inclusive, pre-tested virtual desktop solution that can be right-sized to current needs and expanded in the future with modular add-ons as your business grows. And since Office in a Box is compatible with server virtualization from VMware, Microsoft and Citrix, it is a natural extension to a company's virtualization strategy.

Office in a Box Solution Architecture



Modular architecture allows Office in a Box Solution to scale to support a single office, or multiple offices.

Office in a Box includes Host Server(s), vSpace™ Virtualization Software, OS licenses (as needed), NComputing virtual desktops and basic peripherals (monitors, keyboards and mice). Solution add-ons are available for larger deployments such as virtual desktop failover, storage, and server virtualization infrastructure for scaling to support large populations. Assessment and deployment services are also available through experienced NComputing partners. (See Table 1: Office in a Box Solution Guide)

CDW Corporation



CDW is a leading provider of technology solutions for business, government, education and healthcare.

Office in a Box Benefits

- **Modular Configurations**
Flexible configurations supporting up to 33 seats per host.
- **Lowest Cost Per Seat**
The NComputing award winning virtual desktop solutions reduce the per seat cost of a PC by more than 75%.
- **Turn-Key Solution**
Office in a Box eliminates the complexities of desktop virtualization by making it very simple to deploy.
- **Pre-Tested & Validated**
All components of the Office in a Box have been pre-tested and validated to ensure the solution will work together.
- **Virtual Desktop Flexibility**
Depending on your needs, we offer workgroup or network connect virtual desktop solutions.
- **End-to-End Virtualization**
Compatible with industry leading application and server virtualization solutions from VMware, Microsoft and Citrix.
- **Small Solution Footprint**
Replace bulky servers with an access device that is the size of a deck of cards to free up valuable workspace in cramped offices and labs.
- **Green IT**
Build "green" computer networks that produce less e-waste and use less energy.

More About Desktop Virtualization

Server virtualization technologies have been used for years to simplify server infrastructure and reduce capital and operating expenses. Now, the same concept is being applied to end-user computing by virtualizing desktop PCs. The concept behind NComputing virtual desktops is simple: today's PCs and servers are so powerful that most organizations only use a small fraction of their power—the rest is wasted. The total cost of acquiring, managing, and replacing hundreds of desktop PCs (often thousands) is very high. That's where NComputing virtual desktops can help.

NComputing enables each end user to have a computing session without having to dedicate a desktop PC at each user's desk. By virtualizing the session and hosting it on a shared host server, a single PC-class machine can host up to 33 simultaneous users and a server can host hundreds of users, depending on the configuration.

NComputing deployments are simple, fast and affordable, which is why more than 2.5 million NComputing virtual desktops have been deployed in more than 140 countries. The company's award-winning, patented technology lowers desktop computing costs, improves manageability, and reduces both energy consumption and e-waste.

To learn how the Office in a Box solution can transform the way you deliver computer access, go to: www.cdwg.com/content/brands/ncomputing

Table 1: Office in a Box Solution Guide

The configurations below are base-level configurations that we have certified. Talk with your CDW representative if you would like to customize your configuration components or add-on services.

	Office Workgroup (Direct Connect)	Office Workgroup (Network Connect)	Branch Office (Network Connect)
Virtual Desktop	NComputing X550 Desktop Virtualization Kit	NComputing L300 Virtual Desktop	NComputing L300 Virtual Desktop
Host Server Options	Lenovo ThinkCentre M70e 0806 Acer Veriton M275-UD7600W - 4GB	Lenovo ThinkServer TS200v 0981 - Core i5 650 3.2 GHz <ul style="list-style-type: none"> +6 GB of memory recommended Lenovo ThinkServer TD230 1029 - Xeon E5620 2.4 GHz <ul style="list-style-type: none"> +4 GB of memory recommended 	Lenovo ThinkServer TD230 1029 with 1x Xeon E5620 2.4 GHz CPU with 4GB RAM <ul style="list-style-type: none"> +2nd Intel Xeon E5620 2.4 GHz CPU +4 GB Memory DIMM (DDR3 PC3-10600) X5
Peripherals	Adesso Desktop Multimedia Keyboard Logitech Optical Wheel Mouse SBF-96	Kensington ValuMouse Optical Kensington Keyboard For Life Logitech Media Combo MK200 - KB+Mouse	Logitech Media Combo MK200 - KB+Mouse
Monitors	Acer G195WAB 19" Wide LCD ViewSonic VA705B 17" LCD	Acer G195WAB 19" Wide LCD ViewSonic VA705B 17" LCD	Acer G195WAB 19" Wide LCD ViewSonic VA705B 17" LCD
Operating System	Windows Server 2008 R2 Standard Windows Server CAL Remote Desktop Services CAL	Windows Server 2008 R2 Standard Windows Server CAL Remote Desktop Services CAL	Windows Server 2008 R2 - Standard X 4 Windows Server 2008 CAL X 60 Windows Server 2008 R2 RDS CAL X 60
User Data Storage	Buffalo TeraStation Duo TS-WX2.0TL/R1	Buffalo TeraStation Duo TS-WX2.0TL/R1	Buffalo TeraStation Duo TS-WX2.0TL/R1
System Storage			LSI MegaRAID SAS 9240-8i Storage Controller <ul style="list-style-type: none"> +Lenovo hard drive - 300 GB - SAS X 4 +Adaptec Serial Attached SCSI (SAS cable)
Server Virtualization Software		VMware vSphere Hypervisor (ESXi) Citrix XenServer Microsoft HyperV	VMware vSphere Hypervisor (ESXi) Citrix XenServer Microsoft HyperV

Success Stories

DHL (Peru)

- Deployed virtual desktop solution into two large distribution centers that had very limited IT staff and tight funding.
- Cut computing costs, simplified daily operations, increased space savings, and met corporate mandate to "go green."

Fleetwood Industries (United States)

- Successfully deployed virtual desktops onto harsh factory floor environment to aid in product
- Substantial upfront cost savings, excellent reliability and significant reduction in energy costs.

Valley Yellow Pages (United States)

- Provided computer access to over 500 account executives dispersed among 16 offices.
- NComputing virtual desktops were less expensive than PCs, more reliable and easier to maintain.