

In Collaboration with Citrix



## Highlights

### Reduced Risk

- The solution uses a tested and certified Citrix VDI-in-a-Box architecture to validate configurations and help ensure interoperability.
- The solution is highly available and reliable, helping ensure continuous application access.

### Rapid Deployment

- Cisco Unified Computing System™ (Cisco UCS®) provides intelligent infrastructure that is ready out of the box to power Citrix software.

### Reduced-Cost Approach

- Simplified infrastructure reduces both capital and operating expenses for lower total cost of ownership (TCO).

### Uncompromised Performance

- The solution is based on a balanced approach to resources, including high-performance Intel® Xeon® processors.

### Investment Protection

- The solution supports a choice of hypervisors to simplify infrastructure standardization and management.

## Cisco and Citrix partner to deliver an all-in-one, simple, affordable desktop virtualization system for small and medium-size businesses.

Businesses of all sizes are now seeking to adopt desktop virtualization and gain its benefits to meet challenges such as consumerization of the workplace, Microsoft Windows upgrades, frequent and expensive PC refresh cycles, software upgrades, and burdensome ongoing support. IT departments have to meet these challenges while facing shrinking budgets, changing priorities, and inadequate personnel skills. For these reasons, companies are considering virtual desktop infrastructure (VDI) to help eliminate the inefficiencies and costs of operating and managing PCs and securing and enabling a wide range of mobile devices to access data from outside the firewall.

Cisco and Citrix offer the Cisco® Solution for Citrix VDI-in-a-Box (Figure 1), which is an all-in-one simple and affordable package that combines the Cisco UCS® C260 M2 Rack Server with Citrix VDI-in-a-Box and makes the benefits of desktop virtualization available to small and medium-size businesses with fewer than 500 employees. Customers in a wide variety of industries, including educational institutions, state and local government organizations, services organizations, hospitals, and smaller financial institutions such as regional banks and credit unions, are excellent targets for this solution.

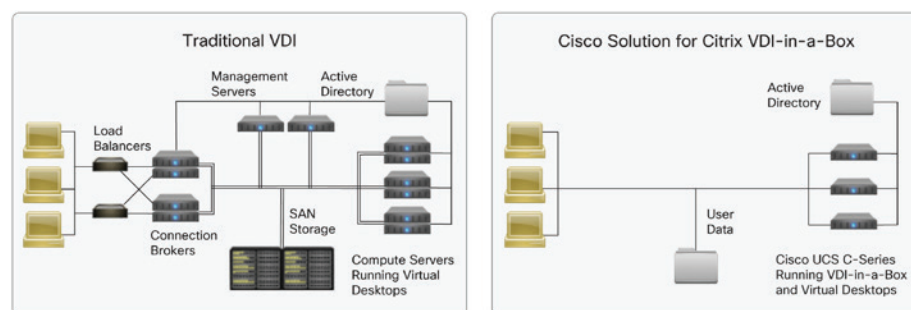


Figure 1. Cisco Solution for Citrix VDI-in-a-Box Architecture

**Table 1.** The Solution's Hardware Components Can Be Ordered with a Single Part Number

Element	Balanced Configuration (Up to 80 Users)	Performance Configuration (Up to 150 Users)
<b>Computing</b>	1 Cisco UCS C260 M2 Rack Server with: <ul style="list-style-type: none"> <li>• 2 Intel Xeon processors E7-2860 (2 sockets; 20 cores total)</li> <li>• 128 GB of RAM</li> <li>• 1 Gigabit Ethernet onboard network interface card (NIC)</li> <li>• 1 Cisco UCS P81E Virtual Interface Card (VIC)</li> <li>• Redundant power supplies</li> <li>• LSI MegaRAID 9261-8i controller with 512 MB of memory and battery backup</li> <li>• 8x 300-GB SAS 10K drives in a single logical RAID 10 array</li> </ul>	1 Cisco UCS C260 M2 Rack Server with: <ul style="list-style-type: none"> <li>• 2 Intel Xeon processors E7-2870 (2 sockets; 20 cores total)</li> <li>• 256 GB of RAM</li> <li>• 1 Gigabit Ethernet onboard NIC</li> <li>• 1 Cisco UCS P81E VIC</li> <li>• Redundant power supplies</li> <li>• LSI MegaRAID 9261-8i controller with 512 MB of memory and battery backup</li> <li>• 8x 300-GB SAS 10K drives in a single logical RAID 10 array</li> </ul>

## Solution Benefits

The solution helps organizations quickly deploy the tools they need to lower total cost of ownership (TCO), reduce complexity, and improve operation efficiency for your desktop environment. With broad hypervisor support, you get to choose your virtualization platform, making it easy to standardize on a single platform of your choice. This solution brings:

- Simplified management with Simple Network Management Protocol (SNMP)-based monitoring and XML-based BIOS configuration
- Rapid deployment with a prevalidated configuration

- Enterprise reliability built with software mirroring and multilevel hardware redundancy
- High availability that can be implemented with fully redundant and reliable configuration
- Cost and performance optimization with the lowest cost per desktop now available with enterprise performance

The Cisco UCS C-Series Rack Servers reduce TCO and increase business agility by extending unified computing innovations and benefits to rack-mount servers and offering a wide range of options that can be balanced for various application workloads.

[Citrix VDI-in-a-Box](#) integrates connection brokering, load balancing, desktop provisioning, high availability, and management functions into a single package that runs on servers with local storage. Citrix VDI-in-a-Box also delivers anytime, anywhere access with built-in support for Citrix® HDX™ to provide a rich user experience.

## Easy Ordering

Servers for the Cisco Solution for Citrix VDI-in-a-Box are available through the Cisco Smart Play program (Table 1). With only a single part number to order the server components, the program makes it easy to quickly deploy a powerful, secure VDI environment in your enterprise without the expense or risk entailed in designing and building your own custom solution.

## For More Information

For more information about the Cisco Solution for Citrix VDI-in-a-Box Smart Play, please visit <http://www.cisco.com/go/smartplay>.

For more information about the [Cisco Unified Computing System™](#) (Cisco UCS) with Citrix VDI-in-a-Box, please visit <http://www.cisco.com/en/US/netsol/ns978/index.html>.



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