

# VCE VBLOCK DATA CENTER SOLUTION

From CDW·G and VCE coalition partners EMC, Cisco and VMware

## The Challenge

Information technology (IT) is undergoing a transformation – it is moving toward a private cloud model, which is a new model for delivering IT as a service, whether that service is provided internally (as is typical with IT today) or externally (by a service provider), or a combination of both. This new model requires a new way of thinking about how to incorporate the underlying technology in deployments and how to deliver IT as a service to end users.

## The Solution

Vblock Infrastructure Packages are integrated IT offerings from the Virtual Computing Environment (VCE) coalition of EMC, Cisco and VMware. They combine outstanding networking, compute, storage, security and management solutions.

These packages are jointly tested and supported to deliver the right performance and capacity at the right price. Agencies can integrate existing OS, applications, databases and infrastructure software. There are two packages available:

- **Vblock 1** is designed for large VMs in a compact footprint and provides for a mid-sized configuration to deliver a broad range of IT capabilities to agencies of all sizes. It is comprised of the Cisco UCS, Nexus 100v and MDS, EMC CLARiiON CX4 storage system (secured by RSA) and VMware vSphere platform.
- **Vblock 2** supports massive numbers of virtual machines in a compact footprint and is designed for a high-end, highly extensible configuration that can meet the most demanding IT needs. It is comprised of the Cisco Unified Computing System (UCS), Nexus 1000v and Multilayer Directional Switches (MDS), EMC Symmetrix V-Max storage system (secured by RSA), and VMware vSphere 4 platform.

EMC Ionix Unified Infrastructure Manager (UIM) provides an integrated, unified element management for Vblock and supports a wide range of enterprise management consoles.

## The Benefits

By harnessing the power of virtualization, private clouds place considerable benefits within reach. These include:

- **Organizational enablement.** Increased IT agility and responsiveness to changing priorities, faster deployment and greater capability to scale to global operations
- **Facilities optimization.** Lower energy use and reduced need for data center real estate
- **IT budget savings.** Consolidation and simplification through better use of resources and new mechanisms for procuring and managing those resources

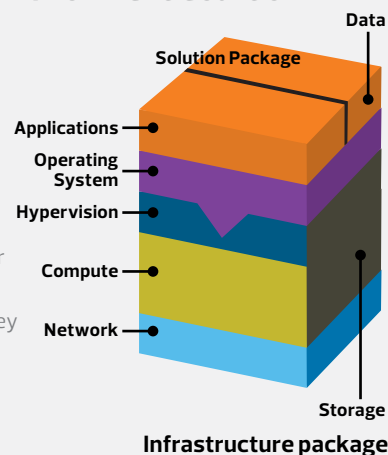
- **Reduced complexity.** Movement away from fragmented IT resources to centralized management
- **Greater flexibility.** Increased responsiveness, scalability and automation capabilities for IT

Federal agencies want to obtain the benefits of private clouds sooner rather than later. With solutions that integrate individual components, enterprise IT can reduce complexity and risk while lowering total cost of ownership (TCO). CDW·G, along with our partners EMC, Cisco and VMware, can provide you with a computing environmental structure that helps your agency transition to the cloud.

## The Virtual Computing Environment Coalition

The VCE coalition was established to address the challenges agencies face with infrastructure virtualization. The coalition, consisting of Cisco and EMC with VMware, represents an unprecedented level of joint collaboration, services and partner enablement, which “de-risks” the infrastructure virtualization journey to private cloud.

In order to address the issues of pre-integration of technology, the coalition helps agencies realize the benefits of virtualization and elevates the virtualization of IT infrastructures by combining outstanding technologies with end-to-end vendor accountability.



## Getting started

CDW·G offers a full spectrum of cloud data center optimization services and has the expertise to help. Our 500+ team of certified engineers and project managers can help you learn how the VCE Vblock solution can work for your agency. We offer:

- Assessment, planning, design and installation services for storage, servers, power and networking
- Procurement, configuration and deployment of the final solution
- Continuous product lifecycle support
- Full hosting and managed services

**To learn how the Vblock can help your agency obtain the benefits of private clouds, call your dedicated CDW·G account manager today.**