



## SOLUTIONS BRIEF

# VCE™ FOUNDATION FOR CISCO UCS DIRECTOR

### Going Beyond Converged Infrastructure

VCE converged infrastructure offers the fastest deployment of infrastructure and applications, the highest application performance and availability, the lowest TCO, and unmatched life cycle assurance.

As cloud adoption rates rapidly increase, IT departments and service providers look to VCE converged infrastructure as the best foundation for providing highly secure, reliable cloud services. Important first steps for successful delivery of these services include

- Automating, managing, and orchestrating VCE converged infrastructure
- Finding the right foundational cloud infrastructure automation and management solutions for your business
- Avoiding the extensive, on-site service integration engagements typically required to “stand up” these technologies—often leading to project delays, cost overruns, and negative customer experiences
- Ensuring that you can reliably maintain, upgrade, and support that environment—to provide a superior experience for IT and business users

### High-Value Foundation for Hybrid Cloud

VCE is the preferred converged infrastructure for cloud, and we're further extending value for customers with the VCE™ Foundation for Cisco UCS Director.

Jointly developed with Cisco, this converged solution simplifies the journey to hybrid cloud by preintegrating and validating Cisco UCS Director software on a VCE converged infrastructure in the VCE factory. Backed by its brief on-site configuration services, the solution enables you to manage your VCE converged system and deliver infrastructure-as-a-service just days after your system arrives. Now, you can rapidly address the needs of customers by offering preconfigured workflows through this solution built on VCE proven converged infrastructure and industry-leading technology from Cisco.

You also enjoy the signature “VCE Experience”—including life cycle assurance and validation for the software, plus single-number support.

The converged solution can also pave the path for additional cloud-computing software and technologies, such as Cisco Intelligent Automation for Cloud, Prime Service Catalog, and Intercloud—enabling you to offer on-demand services in your own private cloud environment, as a hosted virtual private cloud, or easily extend into multi-tenant public clouds.

### The VCE and Cisco Difference

The converged solution provides everything you need to quickly deliver cloud infrastructure automation services to your customers with simplicity and industry-leading customer experience:

- “Out-of-the-box” integration of best-in-class Cisco UCS Director software with VCE Vblock® Systems
- Bare-metal compute (UCS), hypervisor (VMware), storage (EMC), and network (Nexus) provisioning
- Physical and virtual infrastructure automation
- UCS Director preinstalled in the VCE factory
- Pretesting of the software components, including purpose-built workflows
- Ongoing release validation with single-call support—for life cycle assurance with the “VCE Experience”
- A proven foundation from which to rapidly develop additional cloud capabilities and deploy into production

### Solution Benefits

#### Simplify the Journey to Hybrid Cloud

- Receive a preintegrated, prevalidated cloud infrastructure provisioning environment “out of the box” on VCE converged infrastructure
- Begin provisioning infrastructure just days after your system arrives
- Automate and streamline key IT tasks, freeing staff to focus on delivery of new cloud services

#### Reduce Risks

- Eliminate technology guesswork and integration risk by leveraging best-in-class, preintegrated software components
- Maintain a low-risk experience with life cycle assurance—ongoing single-call support for the related software components



### Improve Agility

- Deliver customers convenient self-service access to key services via a catalog
- Accelerate your business and avoid unexpected problems with Cisco UCS Director's model-based orchestration
- Shorten deployment cycles and provide faster time-to-value for your customers
- Extend the solution to
  - Implement additional cloud capabilities (such as advanced security, business continuity, disaster recovery, monitoring, chargeback)
  - Create additional or customized workflows
  - Integrate with your own existing operational systems (i.e., monitoring or ticketing systems)

### Built for Today's IT Organizations

We've built the Foundation to meet vital business demands for today's infrastructure and operations teams. It's the perfect solution whether you need to

- Rapidly set up on-demand cloud infrastructure for test/QA or basic production workloads—with the option to “build from there”
- Build a simple starting point to optimize the effectiveness of your operations team
- Provide infrastructure services to external customers and want the right “head start” to provide the experience they deserve

IT and cloud administrators have everything they need for rapid, efficient provisioning:

### ▪ Bare-Metal OS Provisioning

- ESXi, Linux and Windows\* support
- UCS configuration, network configuration, storage configuration
- Virtualization configuration
- Zero-touch automation

### ▪ Datastore Storage (Block or File) Provisioning

- Storage provisioning (block or file)
- SAN zoning (block only)
- Storage mount configuration on virtualization platform
- Zero-touch automation

### ▪ End-to-End Network Provisioning (Storage: File Only)

- Allocate VLANs and IP blocks per group/tenant
- Create VLANs on N1Kv, UCS compute, Nexus, and storage
- Zero-touch automation

### ▪ Secure Multi-Tenant Infrastructure Provisioning

- Layer-2 end-to-end infrastructure isolation for a group/tenant
- Compute (physical and virtual), network (physical and virtual), and storage provisioning

### For More Information

More information about VCE solutions and services is available from [www.vce.com](http://www.vce.com) and from your local VCE representative.

## ABOUT VCE

VCE, an EMC Federation Company, is the world market leader in converged infrastructure and converged solutions. VCE accelerates the adoption of converged infrastructure and cloud-based computing models that reduce IT cost while improving time to market. VCE delivers the industry's only **fully integrated and virtualized cloud infrastructure systems**, allowing customers to focus on business innovation instead of integrating, validating, and managing IT infrastructure. VCE solutions are available through an extensive partner network, and cover horizontal applications, vertical industry offerings, and application development environments, allowing customers to focus on business innovation instead of integrating, validating, and managing IT infrastructure.

**For more information, go to [vce.com](http://vce.com).**

