



# VCE VSCALE SERVICES

With VCE Vscale services you gain a flexible data center that adapts to your growth and application demands—driving simpler operations, added agility, and reduced risk.

Is your organization advancing between Platform 2.0 and Platform 3.0 while considering hybrid cloud solutions? Are you evaluating software-defined networking (SDN) options or looking to implement an SDN strategy? Is your enterprise ready to scale out its VCE environment?

VCE Vscale™ Architecture provides a modular, “grow-as-needed” approach that adapts to your varying application, scale, and flexibility needs. Your organization can connect any number of VCE converged infrastructure systems to a VCE™ Fabric that includes SAN or LAN with a spine-leaf network architecture. The fabric enables scaling as needed and fundamentally changes how data traverses the network, offering consistent and predictable performance.

The VCE services help you get the most from your VCE Vscale Architecture—ensuring simpler operations, lower risk, and improved agility. Through our range of services, you can

- Establish the best data center transformation strategy for your business and IT requirements, including optional software-defined networking (SDN).
- Accelerate results with key SDN software or hardware installed and configured on VCE converged infrastructure.
- Extend life cycle assurance across your data center and gain unmatched application agility by ensuring that your VCE Systems are appropriately configured and connected to the VCE Fabric.

## A Range of Services to Meet Your Needs

VCE services help you get the most from your data center transformation strategy and VCE Vscale Architecture. Our best practices draw on our unmatched expertise in deploying, upgrading, and expanding converged infrastructure for customers worldwide. We help you determine the right transformation strategy—including software-defined networking options. Our team of experts efficiently deploys and configures related fabric and systems to provide life cycle assurance and maximize agility. And, of course, we'll provide comprehensive project management, testing, validation, and knowledge transfer.

### VCE Vscale™ Enablement Services

VCE experts help you evaluate key areas—such as scale and capacity planning, workload requirements, and operational requirements—leading to the right VCE Vscale Architecture design for your business. The services provide overall architecture design, migration strategy, policy definition, and an implementation and execution proposal.

### VCE™ Factory Build Service for VxBlock™ Systems

VCE drives additional ROI for your VCE Vscale Architecture by logically configuring and installing a VMware NSX edge cluster (including NSX managers, NSX controllers, NSX host modules, and VTEP) on a VxBlock™ System in the VCE factory. Using the logical configuration survey you've provided, we ensure streamlined integration of NSX with your VCE Fabric during subsequent deployment of the VxBlock System at your site.

## Why Engage VCE™ Professional Services

Our services draw on VCE converged infrastructure transformation leadership—helping thousands of customers worldwide successfully implement, maintain, upgrade, and expand their converged infrastructure presence to meet changing business goals.

Our expert configuration enables you to maintain life cycle assurance for your VCE Fabric and focus your team on other key tasks.

You can rely on VCE services for:

- Expertise across the stack, including cloud on converged infrastructure
- A team of 500+ converged specialists and 150+ delivery partners
- Knowledge and best practices gained from deploying 2000+ Vblock® Systems in 60+ countries



### **VCE™ On-Site Deployment Service for Cisco APIC**

VCE accelerates time-to-value for your ACI-based SDN solution by deploying a cluster of Cisco Application Policy Infrastructure Controllers (APICs) and one leaf node, initializing and attaching the APICs to an ACI-enabled VCE Fabric, and performing network discovery.

### **VCE™ Fabric Installation and Configuration Services**

VCE installs and configures the network fabric—extending life cycle assurance across the architecture and delivering unmatched application agility.

This service includes

- Installing one network fabric along with spine and leaf hardware (i.e., switches) and/or software.
- Connecting VCE Systems to the VCE Fabric (with SDN as applicable).
- Applying your organization's policies.
- Transitioning to VCE™ Support.

### **Scale Life Cycle Assurance Across Your Data Center**

VCE collaborates with your team to identify the right transformation strategy, including software-defined networking options (VMware NSX and Cisco ACI). You'll receive a supportable network fabric that's appropriately configured and connected to your VCE Systems, with key components available to be installed and validated on VCE converged infrastructure. The result? Extended life cycle assurance across your entire VCE Vscale Architecture plus all these benefits:

#### **Simplify Operations**

- Identify the right data center transformation and migration path for your business requirements.
- Implement a data center design specific to your operational, workload, and growth needs—including reliable deployment of any necessary system upgrades or expansions.
- Define and implement timesaving application or network policies.
- Reduce the complexity and hassle of deploying your network fabric in-house—through our efficient best practices and deep expertise.
- Centralize and streamline data center management—avoiding “silos” to reduce operational time, effort, and resources.
- Spend less time (and money) on managing network configurations and moves/adds/changes.

#### **Increase Agility**

- Architect your environment to more flexibly support future applications and workloads—from Platform 2.0 to Platform 3.0 and beyond.
- Find the best ways to “pool” storage and compute resources for higher utilization and more responsive applications.
- Automate key processes (load balancing, firewall management, etc.) to improve application availability and user experience.
- Move key new products and services to market faster.

## **The Platform of Choice for Any SDN Solution**

Software-Defined Networking (SDN) isn't required for the VCE Vscale Architecture. However, we encourage you to choose SDN—Cisco Application-Centric Infrastructure (ACI) or VMware NSX—and a VCE SDN service option to maximize agility, assurance, and simplicity.

VCE infrastructure is the preferred platform for any SDN approach, providing a superior customer experience.

The SDN-ready VCE Fabric allows two choices for customer SDN deployments:

- VMware NSX—including deep integration with vSphere. VMware NSX is common to most Federation Enterprise Hybrid Cloud solutions, and VCE converged infrastructure is the preferred foundation for Federation EHC.
- Cisco ACI—providing single-point policy management to reduce complexity and promote compliance throughout organizations.



Expand your VCE Vscale Architecture at your own pace to accommodate business growth and available budgets.

- Quickly “upgrade” your VCE Fabric to SDN if—and when— you’re ready.

#### **Mitigate Risks**

- Rely on proven VCE best practices—drawn from our CI knowledge, upgrade/expansion expertise, and close relationships/shared roadmaps with SDN leaders Cisco and VMware.
- Meet planned milestones and avoid project delays through VCE end-to-end project management.
- Ensure a tested, validated configuration performed on new systems “in factory.”
- Reliably “take ownership” and run your new environment after detailed knowledge transfer and acceptance testing.
- Be confident that applications are deployed in a way that meets security and regulatory requirements.
- Maintain the VCE Experience (and VCE Support) for your network fabric with expert configuration by VCE.

#### **Related Services**

##### **VCE™ Software Upgrade Service**

The VCE™ Software Upgrade Service provides update services for your VCE system software components to maintain the current supported levels. The service includes the assessment, planning, and execution of upgrade activities to minimize implementation effort and risk to your systems.

##### **VCE™ Standard Hardware Expansion Services**

The VCE™ Standard Hardware Expansion Services provide turnkey solutions for expanding existing capacity of VCE converged infrastructure. Services include assessment, planning, and execution of hardware upgrades to help you reduce the cost and effort required when evaluating expansion needs in-house.

##### **VCE™ Advanced Management Platform Upgrade Service**

VCE™ Advanced Management Platform Upgrade Service provides expanded capacity and capabilities for your existing VCE AMP to help you more efficiently manage VCE infrastructure spanning multiple systems or geographic locations—including a hybrid cloud or “scale out” architecture.

## **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 costs 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).**