SOLUTIONS BRIEF

VCE™ FOUNDATION FOR FEDERATION ENTERPRISE HYBRID CLOUD

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 cloud services include

- Automating, managing, and orchestrating VCE converged infrastructure
- Finding the right foundational infrastructure and cloud management platform 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 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 Federation Enterprise Hybrid Cloud.

Jointly developed with other companies in the EMC Federation, this validated environment simplifies the journey to hybrid cloud while increasing IT agility and reducing risk.

The VCE Foundation drives an even greater degree of convergence by extending the standardized, repeatable practices of the unique “VCE Experience” to the Federation Enterprise Hybrid Cloud, enabling pre-integration of VMware and EMC technologies—including VMware vRealize management and orchestration software and EMC VxRIO Controller—in the VCE factory. The VCE Foundation provides a “fit for purpose” VCE converged infrastructure build based on predefined VCE sizing templates. Best of all, you enjoy the signature “VCE Experience” for the installed software, including life cycle assurance and validation plus ongoing single-number support.

Pave the Path for Federation EHC
The foundational environment is carefully engineered to interlock with and take advantage of the latest Federation Enterprise Hybrid Cloud (EHC) releases, paving the path for EHC’s higher-level cloud services and solutions. With Federation EHC, you can easily enhance, extend, and customize your VCE Foundation to continue driving business outcomes.

For example, with Federation EHC you can extend the VMware vRealize software pre-installed by VCE to create a hybrid cloud ready to migrate workloads to selected “end-points” in the VMware vCloud Air Service. These end-points or next-generation clients can supply account and credentials for a seamless hybrid cloud experience between a VCE converged infrastructure-based private cloud and vCloud Air public cloud.

You can also choose to integrate extensions to enable disaster recovery as-a-service. This creates an ideal hybrid cloud solution for customer disaster recovery requirements by enabling capacity bursting or VM failover for a private cloud based on VCE converged infrastructure.

The VCE Difference
VCE Foundation for Federation Enterprise Hybrid Cloud provides one-of-a-kind simplicity to help you accelerate hybrid cloud business outcomes:

- Best-in-class software preinstalled on VCE Vblock® Systems or VxBlock™ Systems
- Testing of all the software components, validating interoperability with VCE Release Certification Matrices (RCMs)
- VCE converged infrastructure orchestration workflows available via service catalog
- Ongoing release validation with single-call support—for life cycle assurance with the “VCE Experience”
- A proven foundation from which to rapidly develop private and hybrid cloud capabilities and deploy into production
Installed Software Components

| VMware vRealize Automation Enterprise Edition | Enables self-service portal and cloud management capabilities orchestrated by vRealize Orchestrator (compute and network) and EMC ViPR (storage) provisioning. |
| VMware vRealize Business Management Standard Edition | Provides cost and business management capabilities within the VCE converged system. |
| VMware vRealize Log Insight | Provides real-time log management and log analysis. |
| VMware NSX (Future Availability) | Provides network virtualization capabilities. |
| EMC ViPR Controller | Provides storage provisioning capabilities. |

Reduce Risks
- Eliminate technology guesswork and integration risk by leveraging best-in-class software components preinstalled and pretested in a VCE factory environment.
- Maintain a low-risk experience with life cycle assurance—ongoing single-call support for the related software components.

Improve Agility
- Easily extend your foundational environment with EMC Professional Services to
  - Implement additional cloud capabilities (such as advanced security, business continuity, disaster recovery, monitoring, chargeback)
  - Integrate with your own existing operational systems (i.e., monitoring or ticketing systems)
- More rapidly deliver customers convenient self-service access to key services via a catalog
- Shorten deployment cycles and provide faster time-to-value for your customers

Built for Today’s IT Organizations
We’ve built the VCE Foundation to meet vital business demands for today’s cloud infrastructure and operations teams. Additional services from EMC “bolt on” to the VCE Foundation enabling you to
- Rapidly set up on-demand cloud environments for test/QA or basic production workloads with the option to build from there.
- Build a simple starting point to optimize effectiveness of your operations team.
- Provide cloud services to external customers with the experience they deserve.

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 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.