SOLUTION OVERVIEW

Federation Enterprise Hybrid Cloud and VMware vCloud Air—Your Fast Track to the Cloud

Hybrid clouds offer the best of both private and public cloud environments, combining secure, on-demand access to IT resources with the ability to move workloads onsite or offsite to meet specific requirements. The Federation Enterprise Hybrid Cloud with VMware vCloud® Air™ is the only hybrid cloud solution that offers true fidelity between private and public cloud, connecting its infrastructure, software applications, data and operations capabilities to enable enterprise IT to effectively leverage both their private cloud and public cloud together.

Software-Defined Private Cloud

The fast track to a hybrid cloud strategy starts with a Software-Defined Data Center (SDDC) architecture. Federation Enterprise Hybrid Cloud combines VMware and EMC capabilities to build a Software-Defined Data Center and hybrid cloud environments quickly. More than a vision or do-it-yourself reference architecture, it is a fully integrated and supported solution complete with hardware, software, and services backed by more than 60,000 hours of engineering and testing—delivering all the agility of true IT as a Service with financial and operational management, and ready for service.

Federation Enterprise Hybrid Cloud combines:

- Cloud-based compute, storage, and network resources
- Software-based delivery and management using tools optimized for both on premises and public cloud vSphere environments
- New, automated orchestration workflow software for rapid, flawless delivery of Infrastructure as a Service to your business

Enterprise-Ready Public Cloud

A 2015 IDG hybrid cloud survey found that although enterprise IT decision makers recognize the economy, efficiency, and agility advantages of cloud environments, concerns about compliance, security, and compatibility are delaying deployments—in fact, 42 percent of respondents doubt that their current cloud management tools are mature enough to meet the challenges of mission-critical applications and data-intensive workloads.

Federation Enterprise Hybrid Cloud and VMware vCloud Air—Your Fast Track to the Cloud

Built on the trusted foundation of VMware vSphere®, vCloud Air is the optimum public cloud platform to address these concerns. Fully compatible with enterprise on-premises data centers, the platform includes infrastructure, disaster recovery, and key applications as service offerings. As the preferred public cloud component of Federation Enterprise Hybrid Cloud, vCloud Air delivers a solution that meets the requirements of enterprise applications today.

VMware vCloud Air features:

- **Elastic consumption**, with no adaptation or rearchitecture needed to extend on-premises workloads to the cloud, or bring cloud workloads back on premises
- **Common management platform**, requiring the same tools and skills that IT staffs use on premises every day
- **Seamless networking** across a single software-defined pool of resources
- **Common authentication** based on a single set of processes, to eliminate productivity-sapping duplication and risky gaps
- **Common governance and billing**, with flexibility for instant self-service provisioning and pay-as-you-go
- **Common security model** for seamless coverage, eliminating gaps, incompatibilities, and overlap

Unlike do-it-yourself pools of raw infrastructure or poorly integrated proprietary platforms, vCloud Air is a mature enterprise-grade solution, with support for more than 5,000 applications and 90 operating systems.

Federation Enterprise Hybrid Cloud and VMware vCloud Air offer the best of both worlds: the engineering excellence, performance, reliability, and global support of EMC, and the compatibility, agility, and solution maturity of VMware.

Take the Next Step

Hybrid cloud is a preferred cloud choice for greater agility, speed, and cost savings. VMware and EMC customers are finding starting points for their journey to hybrid cloud that match a wide range of business challenges:

- **Development and testing** – This low-risk first step frees up valuable on-premises data-center capacity by moving preproduction to the cloud.
- **Extending existing applications** – It’s easy to extend standard applications to the cloud to meet the needs of rapid growth and seasonal workloads or to free up onsite resources for more business-critical projects.
- **Disaster recovery** – The cloud is ideal for backup and recovery of data to ensure business continuity in the event of data loss or downtime, without the burden of building or managing added on-premises disaster recovery sites.
- **Web and mobile apps** – Web and mobile applications need the elasticity to scale. A hybrid cloud can support sudden spikes in traffic while ensuring that sensitive data can be kept onsite.
- **Development operations** – As developers and operations work together to deliver software, a hybrid cloud infrastructure makes it possible to use the same technologies, processes, and skill sets, making production and testing seamless between onsite and offsite workloads, resulting in greater scalability.

Learn More

Learn more about how Federation Enterprise Hybrid Cloud with VMware vCloud Air, can help fast track your hybrid cloud journey.

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Columbia Sportswear Company

In the United States, Columbia Sportswear is meeting the growth challenges of a competitive market by:

- Satisfying the unpredictable demands of a growing business with a flexible and scalable IT-as-a-Service infrastructure
- Improving its time to market without draining valuable on-premises IT and business resources
- Delivering greater application visibility and cost transparency to its business customers
- Offering reliable and resource-efficient Disaster Recovery as a Service to its remote and branch offices

Learn more about Columbia Sportswear’s Hybrid Cloud Journey