Increase Availability and Scale Performance of Your Applications in Hybrid Cloud Environment
Enable continuous application availability across the globe

VMware vCloud® Air™ is a secure, dedicated hybrid cloud service operated by VMware, built on the trusted foundation of VMware vSphere®. The service supports existing workloads and third party applications as well as new application development, giving IT a common platform for seamlessly extending its data center into the cloud.

F5® BIG-IP® Global Traffic Manager™ (GTM) scales and secures your DNS infrastructure during high query volumes and DDos attacks. It delivers a complete, real-time DNSSEC solution that protects against hijacking attacks. BIG-IP GTM also improves the performance and availability of your applications by intelligently directing users to the closest or best-performing physical, virtual or cloud environment.

Moving Workloads While Maintaining Application Availability

Customers desire the flexibility and efficiencies of on premise environments for key application workloads as they look to adopt public cloud platforms. However, maintaining application availability and performance while moving workloads to the cloud can pose challenges in maintaining seamless user experience across a hybrid environment. To move mainstream workloads to the cloud, you need confidence that your applications will scale in performance and availability across the globe based on varying network and user volume.

With BIG-IP Global Traffic Manager (GTM) now available for vCloud Air, F5 brings its comprehensive set of application delivery tools to the enterprise-grade vCloud Air platform. Global Traffic Manager is a global load balancing solution that improves access to applications, and enables transparent application failover and disaster recovery, With F5 GTM and vCloud Air, now you can scale performance and availability of your application workloads seamlessly.

BIG-IP GTM also simplifies management across hybrid environments by providing a single, global namespace for user connection.

Increase Efficiency, Automation, and Business Continuity

With F5 GTM appliance deployed in vCloud Air, you can now route global application traffic across hybrid on premise and cloud environment to keep pace with changing network conditions and user volumes for your business. In addition, now you can direct users to the nearest data center to ensure they get the best application experience while routing traffic according to business policies.

You now have the ability to enable seamless application failover, transparent to users, in case of disaster, and avoid any impact to business due to downtime by adopting F5 solution for vCloud Air DR offering.

Solution Benefits:
- **Continuous availability of applications across globe** to enable user transparent application failover and disaster recovery
- **High application performance across hybrid environment irrespective of** changing network and user volume conditions
- **Simplified Management across hybrid environments** provides a single, global namespace for user connections.

Rely on a Validated Joint Solution

F5 provides the leading Application Delivery Controller (ADC) for Layers 4 through 7, which enables the delivery of advanced application services via a single platform. F5, which has a broad collaborative relationship with VMware, has extended this capability into the VMware cloud. Our joint solutions have been validated in vCloud Air for global availability and disaster recovery to ensure seamless scalability and performance in the VMware cloud.

How It Works

Users connect to a WideIP on the F5 BIG-IP GTM platform, which is in a sync group. Data is continuously replicated between the primary data center and the vCloud Air offsite cloud data center. In the event of a failover, users are redirected to the secondary site.
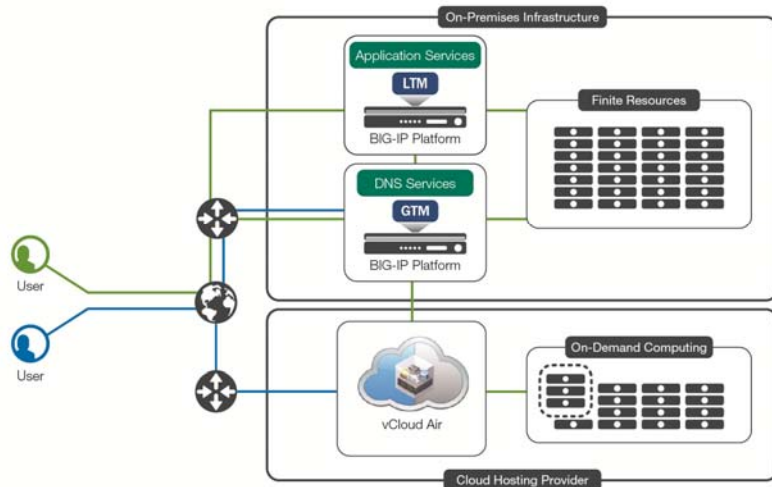
Enhance Application Availability Everywhere and Take Advantage of Solution Trial

To learn more about how F5 and vCloud Air enhance application availability, visit F5 on the vCloud Air Marketplace.

To get a free 30 day trial license of F5 BIG-IP GTM, send an email to vchstrial@f5.com. If you are currently using F5 GTM on premise you can Bring Your Own License to vCloud Air. If you are a new customer, you can purchase a new license from channel partners or directly from F5.

To learn about joint F5 and VMware solutions visit https://f5.com/vmware or contact your F5 or VMware partner or sales representative for purchasing information.