



## F5 BIG-IP GTM Integration for AWS Hybrid Cloud

### Executive Summary:

F5 Networks provides the Application Delivery Networking platform that works with Amazon EC2, Amazon EBS and Amazon VPC. F5 and AWS together help you rapidly deploy application services securely. Extend the same availability, performance and security services across environments with F5 BIG-IP. At the end of this short engagement the client will have a scalable, highly available deployment of F5 WAFs in AWS built around F5 on AWS best practices and integrated to the client's GSLB architecture. This implementation will allow your network and security teams to extend their existing policies, workflows and global traffic routing topologies seamlessly to AWS.

### Offering Description:

Vandis engineers will work with the customer's network and security teams to integrate F5 Network BIG-IP GTM/LTMs into their AWS native or AWS hybrid cloud network design. We will assist with the design and configuration of the F5 GTM/LTMs to properly shape traffic flow between endpoints in a mixture of datacenters and AWS regions. This project will provide a detailed design and implementation around AWS with traffic flow across regions, availability zones, and the customer's physical sites.

### Scope:

Vandis will assist with the design and configuration of the GTM/LTM appliances within the AWS availability zones, VPCs, endpoints, and internal configurations (ILBs, ELBs, EC2 Auto Scaling Groups) necessary to meet the client's requirements in AWS.

- Conduct a Network Security Design and Planning Session
  - Review overall Amazon Web Services strategy
  - Review existing network environment focusing on sites and load balanced workloads
  - Evaluate current F5 GTM/LTM deployment and workflows to ensure edge cases are accounted for
  - Discuss AWS Network, load balancing and availability considerations
  - Align existing requirements around global traffic management
- Draft, present and iterate a F5 GTM/LTM Detailed Design and Configuration Document

### Deliverables:

- Delivery of a detailed design and implementation document addressing:
  - Endpoint and HA design in AWS
  - Route Tables
  - High Availability design, Availability Zones, VPCs, ILBs, ELBs
  - EC2 Auto Scaling Groups and configuration if needed
  - Integration of F5 Networks BIG-IP GTM/LTMs Appliances into the VPC

***For additional information, please reach out to 516-281-2200 or [cloud@vandis.com](mailto:cloud@vandis.com)***