



F5 BIG-IP Per-App VEs: Cloud Application Delivery and Security Solutions

Modern application delivery controllers (ADCs) and web application firewalls (WAFs) can provide services to dozens or even hundreds of applications. However, to better enable agile development and delivery processes, some organizations are seeking a simpler approach where each application is deployed with its own application delivery and security services.

Develop and deploy single app services

The F5 BIG-IP Per-App virtual editions (VEs) provide DevOps teams with an ADC and a WAF to deliver services and security just for the application they are developing and deploying on any of the leading cloud platforms. BIG-IP Per-App VEs deliver the same scalable, secure, and customizable market-leading services provided by traditional F5 physical and virtual ADCs—at a price and in a form factor appropriate for supporting individual applications.

VE software images are readily downloadable and can be quickly implemented as needed in on-premises virtualized data centers and cloud environments. With BIG-IP Per-App VEs and [F5 BIG-IQ Centralized Management](#) solutions, DevOps teams can quickly integrate into their application stack and develop and deploy their applications with consistent services.

Because they are designed to deliver ADC and WAF services for a single application (high-availability pair), BIG-IP Per-App VEs differ from standard [BIG-IP VEs](#) in the following manner:

- Available as ADC-only and as a WAF
- License pricing aligned for single application support

BIG-IP LTM: ADC services to keep your apps fast, available, and secure

[F5 BIG-IP Local Traffic Manager](#) (LTM) helps you deliver your applications in a reliable, safe, and optimized way. You get the extensibility and flexibility of application services with the programmability you need to manage your physical, virtual, and cloud infrastructure. With BIG-IP LTM, you have the power to simplify, automate, and customize applications faster and more predictably.

Deliver applications rapidly and reliably

Optimize for today's web applications with HTTP/2 to ensure that your customers and users have access to the applications they need—whenever they need them.

Automate and customize with programmable infrastructure

Control your applications—from connection and traffic to configuration and management—with F5 iRules® LX, the next stage of evolution for network programmability that brings Node.js language support to the BIG-IP platform.

Easily deploy and manage applications

User-defined F5 iApps templates make it easy to deploy, manage, and get complete visibility into your applications.

Secure your critical applications

Protect the apps that run your business with industry-leading SSL performance and visibility.

F5 Advanced WAF: A comprehensive WAF that helps you secure your apps—and your data

[F5 Advanced WAF](#) is deployed in more data centers than any enterprise WAF on the market. With advanced firewall capabilities, it secures applications against layer 7 DDoS attacks, malicious bot traffic, and application vulnerabilities where other WAFs fail. Built on F5's industry-leading ADC with the F5 TMOS operating system, Advanced WAF delivers flexible and comprehensive protection wherever apps reside application protection and access management.

Turn on protection immediately

Simplify security with pre-built policies, thousands of out-of-the-box signatures, and a streamlined approach to policy management that decreases operational expenses.

Patch vulnerabilities fast

Identify and resolve app vulnerabilities in minutes with leading DAST integration and automatic virtual patching.

Defend with proven advanced protections

Protect your app with highly programmable technology that dynamically adapts policies, proactively stops bots and DDoS, and demonstrates 99.89 percent overall security effectiveness.

Magnify threat knowledge

Easily understand your security status with detailed forensic analysis, full visibility into HTTP and WebSocket traffic, and rich insight into all events and user types.

BIG-IQ Centralized Management: See it all from a single pane of glass

Available free of charge with purchase of BIG-IP Per-App VEs, F5 BIG-IQ License Manager is a specially licensed virtual edition of the BIG-IQ Central Management system that allows you to remotely manage all your BIG-IP VE licenses.

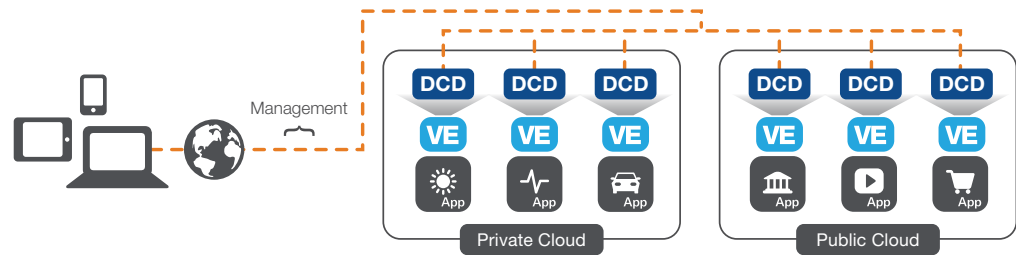


Figure 1: BIG-IQ provides per-app data collection and management.

Alternatively, choose F5 BIG-IQ Centralized Management (available for an additional fee) to provide a central point of control for F5 physical and virtual devices—and for the solutions that run on them. It simplifies management, helps ensure compliance, and gives you the tools you need to deliver applications securely and effectively.

BIG-IQ delivers comprehensive management of BIG-IP Per-App VEs, including the ability to manage policies, licenses, SSL certificates, images, and configurations—as well as providing basic analytics, and centralized reporting and alerting.

You can use BIG-IQ Centralized Management to:

- Track, manage, back up, restore, and license Per-App VE devices and their configurations.
- Manage application-specific configurations and settings.
- Manage certificates and network and security policies across clouds and data centers.
- View central reports, alerts, dashboard, health metrics and security events either globally or per application.

In addition to providing management services for BIG-IP Per-App VEs—whether they are running locally or in the cloud—BIG-IQ supports BIG-IP, VIPRION, and BIG-IP VEs.

F5 BIG-IP Per-App VEs combined with BIG-IQ Centralized Management enable agile application development and deployment with comprehensive ADC and WAF services to drive business results.

How to buy

BIG-IP Per-App LTM and Advanced WAF VEs are available on a pay-as-you-go basis from AWS, Azure, and Google marketplaces. Additionally, F5 offers subscription and Enterprise License Agreement (ELA) purchase options as well.

GET STARTED TODAY

Test drive BIG-IP VEs in virtualized data centers and private cloud environments with a [free trial](#).

TO FIND OUT MORE

- [BIG-IP VEs Datasheet](#)
- [BIG-IP LTM Datasheet](#)
- [F5 Advanced WAF Overview](#)
- [BIG-IQ CM Datasheet](#)

