



# F5 BIG-IP Cloud Edition: Dedicated App Services and Protection for Every App, Anywhere

Many organizations have embraced digital transformation initiatives to increase automation and speed up Internet-based interactions. This digital transformation is driving an explosion of internally developed web-based applications. But it has also complicated IT operations and—in many cases—exposed applications to inconsistent or inadequate protection against attacks. As a result, previous processes and the application of consistent policies have fallen by the wayside. In some cases, these initiatives have even created new manual processes that inhibit the ability to scale up operations to meet business needs.

## **F5 BIG-IP Cloud Edition: Automatically deploy pre-built app services dedicated to each application**

To embed consistent processes and adherence to business standards into the digital transformation process, F5 created BIG-IP® Cloud Edition. This solution shifts app services to a per-app model with automated application services and security deployments. BIG-IP Cloud Edition bridges the gap between corporate policies, processes and compliance, and fast-moving digital transformations—and includes self-service automated deployment and visibility for each application team. These innovations help reduce risk and improve overall performance and security.

BIG-IP Cloud Edition enables digital transformation by providing right-sized, dedicated application services and security via automated workflows and comprehensive analytics. Application services and security are enabled by BIG-IP Per-App virtual editions (VEs). BIG-IP Per-App VEs provide every application with Application Delivery Controllers (ADCs) and F5® Advanced Web Application Firewall™ (Advanced WAF) for consistent delivery of services and security for existing—as well as new—applications. 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 every application.

BIG-IP Cloud Edition delivers deployment automation, management, and visibility via the F5 BIG-IQ® Centralized Management platform. BIG-IP Cloud Edition enables self-service automated provisioning through pre-built app templates for each app owner, including simple-to-view dashboards for managing and troubleshooting their applications. This simplification removes reliance on network and security operations—and eliminates the need for deep network domain expertise—all while ensuring consistent usage of approved templates and policies in the development and deployment of applications into production.

BIG-IP Cloud Edition provides full lifecycle management including automated spin-up/spin-down of BIG-IP Per-App VE instances and scaling out of additional VE instances based on capacity thresholds. This also means that migrating to new BIG-IP software versions is seamless because a new VE instance running the latest release can be spun up, and the old instance spun down, as connections are directed to the new instance. The traditional in-place upgrade process is no longer required.

#### **F5 BIG-IP LTM: ADC services to ensure your apps are fast, available, and scalable**

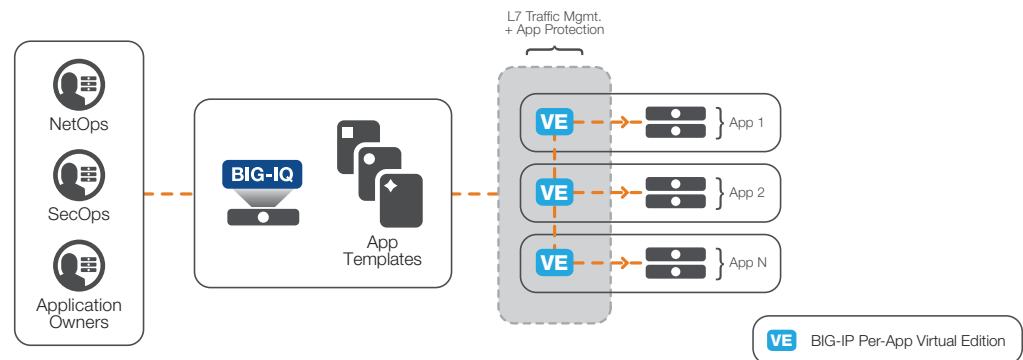
F5 BIG-IP Local Traffic Manager™ (LTM) helps you deliver your application to your users in a reliable, safe, and optimized way. You get the extensibility and flexibility of intelligent traffic management with the programmability needed to manage your virtual and cloud infrastructure. With BIG-IP Per-App LTM, you have the power to simplify, automate, and customize applications faster and more predictably.

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

F5 Per-App Advanced WAF—with enhanced firewall capabilities—secures applications against layer 7 distributed denial-of-service (DDoS) attacks, malicious bot traffic, and application vulnerabilities where other WAFs fail. Additionally, it provides protection against credential theft and stuffing through F5 BIG-IP DataSafe™ technology. Built on F5's industry-leading application protection technology, Per-App Advanced WAF delivers flexible and comprehensive protections for each app with auto-tuning policies and without compromising compliance.

#### **F5 BIG-IQ Centralized Management: Application-centric management from a single pane of glass**

F5 BIG-IQ Centralized Management provides a central point of control for BIG-IP Per-App VEs and the application services that run on them. It simplifies management through application and device templates, helps ensure compliance, and provides the tools you need to deliver applications securely and effectively.



**Figure 1:** F5 BIG-IP Cloud Edition simplifies management with application and device templates, automatic spin-up and -down of Per-App VE instances, and comprehensive security capabilities.

**BIG-IP Cloud Edition benefits include:**

- Template-based app services deployment that enables self-service provisioning, consistent policies, and configurations that provide agility while ensuring compliance.
- Automatic spin-up and -down of Per-App VE instances including autoscaling and rolling upgrades.
- Full automation with published key workflow REST API.

**FOR MORE INFORMATION**

- [BIG-IP Cloud Edition Buying Guide](#)
- [F5 Advanced WAF Overview](#)
- [BIG-IP Local Traffic Manager Datasheet](#)

The F5 BIG-IP Cloud Edition combination of Per-App VEs and BIG-IQ Centralized Management enables agile application protection and deployment while supporting digital transformation and driving business results.

