

Solution Overview

# F5 BIG-IQ Centralized Management Platform

Control application delivery and security from end to end via a single pane of glass.



## Enhanced Manageability

- Spin up application services across cloud and on-premises environments
- Create new F5® BIG-IP® Virtual Edition (VE) deployments directly from BIG-IQ
- Author, deploy, and optimize local traffic management and DNS policies at scale for all your application workloads wherever they're deployed
- Automate and simplify certificate and key management with native Venafi® and Let's Encrypt integrations
- Gain visibility into critical device data like software versions, licenses, service dates, throughput, and more with the ability to share data via reports or CSV export
- Get reporting on any unused or "orphaned" F5® BIG-IP® Advanced Firewall Manager™ (AFM)
- Holistically manage up to 1500 BIG-IP devices and thousands of licenses
- Manage permissions and access to dashboards, workflows, and templates for specific roles and users

## Security and Visibility

- Configure and centrally manage encrypted traffic policies with the F5® BIG-IP® SSL Orchestrator® dashboard
- Manage BIG-IP unified bot detection
- Fine-tune and deploy threat campaign mitigation for managed F5® BIG-IP® Advanced WAF® instances
- Manage application access via visual policy editor or REST API endpoints in BIG-IQ to greatly simplify access configuration workflows
- Improve security posture with the policy analyzer and a comparison of differential policies

# Modern Apps Need a Holistic Approach to Management

The average consumer will abandon an application after a single subpar experience. Just one instance of app failure or poor performance and the game is up—your customer moves on to the next brand. The delivery of exceptional customer experiences relies on readily available, speedy applications, secure transactions, and a high degree of personalization. Meeting this goal of superior customer experience is often extremely challenging—especially when unified visibility, management, and automation is lacking. A piecemeal strategy to managing the F5® BIG-IP® platform of app services can be inefficient and time consuming, leading to blind spots and a lack of consistency in how services are provisioned and deployed, especially at enterprise scale. With hybrid and multicloud deployments, numerous linked app services, and several applications used to deliver a single digital experience becoming standard operating procedure, this challenge is only amplified.

Take an application-centric approach to managing your F5 portfolio with F5® BIG-IQ® Centralized Management. This solution significantly eases the operational and administrative burden of managing BIG-IP and offers value to NetOps, DevOps, and SecOps users with automated workflows, intelligent device management, role-and user-specific GUIs and dashboards, and tight third-party integrations. In short, BIG-IQ enables you to gain insight into and keep tight control of every BIG-IP application service and device in on-premises, public, and private cloud environments.

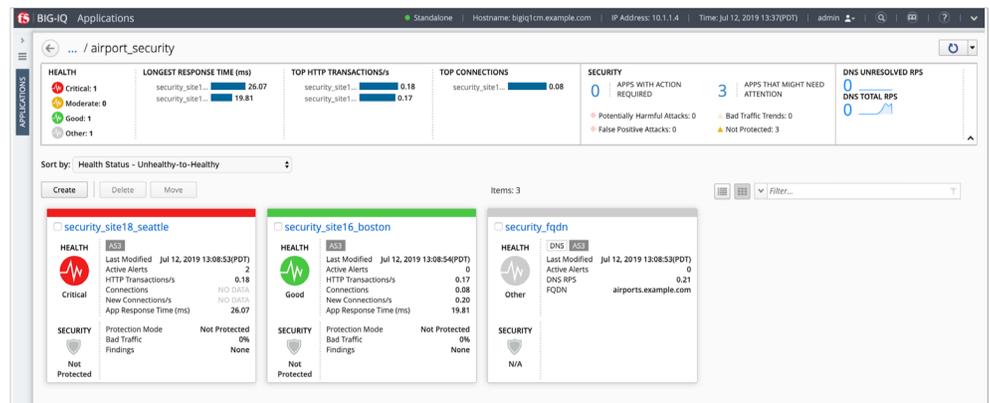


Figure 1: At-a-glance view of overall application health

## Efficiency and Productivity

- Create, import, and edit declarative AS3 extension templates via GUI or API
- Automate device provisioning with Declarative Onboarding
- Make a unified view of apps spanning multiple environments
- Maintain high availability with BIG-IQ automatic failover
- Integrate with popular automation platforms and CI/CD pipeline tools
- Use declarative REST APIs to manage, provision, and deploy BIG-IP services
- Automate creation, scheduling, and exporting of reports and alerts

**BIG-IQ simplifies management, helps ensure compliance, and gives us the tools we need to deliver our applications securely and effectively.**

Edgar Palamarchuk, Sr. Network Engineer, MAXIMUS

# Ensure Consistency and Control with BIG-IQ

## Common application services management goals:

	Challenge	Solution	Benefit
<b>Centralized Security</b>	Hundreds of apps with varied requirements across different operating environments lacking a unified security posture or point of control.	BIG-IQ holistically manages F5 application security solutions in any environment with dedicated, role-based access control-enabled dashboards and proactive alerting and reporting.	Fine tune policies, repeat best practices, gain security insight from L4–L7, and mitigate threats before they affect your apps.
<b>Policy Consistency</b>	Varied application services policies across operating environments makes managing F5 services at scale untenable and meeting compliance mandates difficult.	BIG-IQ helps you create, import, and edit templates for consistent application services and policies across public, private, and hybrid cloud architectures.	BIG-IQ delivers control, reduces error-prone manual work, and ensures compliance across your application portfolio—on premises or in public and private clouds.
<b>Efficient Deployments</b>	Manually creating, provisioning, and deploying BIG-IP devices and application services can be time consuming and requires high levels of domain expertise.	BIG-IQ leverages declarative, automated AS3 and Declarative Onboarding service templates, API-driven workflows, and integrations with popular CI/CD pipeline tools.	BIG-IQ declarative APIs and full-device lifecycle management reduces deployment times, minimizes errors, and empowers every member of the team.

## BIG-IQ Application-Centric Management in Action

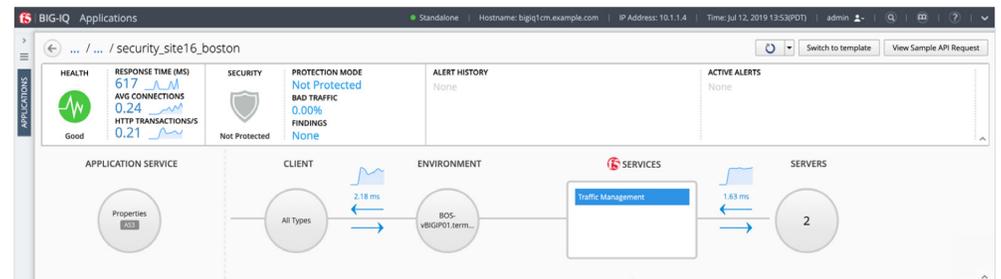


Figure 2: App drill-down view of—client-to-server analytics and metrics

Ready to take holistic control of your F5 application delivery and security services? [Contact us](#) or [click here](#) to learn more.

