

Introducing BIG-IP Next Access

The next generation of access control, BIG-IP Next Access, is designed to deliver application access as code. With BIG-IP Next Access, you can shift access left, reducing your operational complexity and costs by deferring authentication and authorization to an API-centric, hardened access security solution.



Key Benefits

Accelerate Time-to-Market

Get greater agility with an API-first, app-centric access security architecture.

Reduce Security Risk

Move authentication to a hardened access security solution.

Deploy Fast, Consistent Policy Updates

Write an access policy once, deploy it to multiple instances and freely migrate policies across platforms.

Support a Zero Trust Operational Model

Ensure context-and -identity based per-request app access for every app—all from a single point of control..

Make Rapid or Partial Upgrades

Introduce new access security features with significantly less downtime.

Key Features

Set Up SSO, MFA for All Apps

Automate integration with third-party identity providers (IDaaS).

Access as Code

Write to access APIs or embed APIs directly into your CI/CD pipeline.

Lock Down Your App Early in the Dev Cycle

Defer authentication and authorization to BIG-IP Next Access while apps are in development.

Apps Are Changing—So Is the Way We Access and Secure Them

Applications, the environments in which they're deployed, and the measures needed to secure access to them are evolving at a record pace. Look no further than today's modern businesses to see this transformation in action. These businesses are increasingly automated, relying on models like DevSecOps to deliver greater code quality, faster time to market, and security oversight. In the typical application portfolio, there is now a mix of modern, legacy, SaaS-based, and custom applications. Similarly, the platforms that support these apps are becoming increasingly hybrid as well, from on-premises data centers and private clouds to multiple public clouds and remote edge locations. This hybrid infrastructure enables greater control, resource optimization, and an enhanced user experience. Moreover, users, including billions of mobile and remote workers globally, are able to carry out their work tasks from anywhere, using a combination of personal and corporate devices.

While these trends pave the way for greater business innovation and adaptability, they also fundamentally change the requirements for securing access to today's applications. Identity and access have become core to app security with a zero trust application access model as the gold standard approach. Businesses need to bridge the gap between applications that use both legacy and modern authentication protocols. Additionally, they must enable single sign-on (SSO) and multi-factor authentication (MFA) for every application to ensure access is least-privileged, context- and identity-based. This approach also removes the complexity associated with managing multiple points of control for authentication and authorization. Equally important, businesses need to reduce the overhead and complexity associated with security architecture itself. To support an increasingly automated and DevSecOps-driven business environment, application access security needs to be automated and agile—from the policies through to the underlying software platform.

Introducing the F5 BIG-IP Next Platform for Greater Agility and Access Security

F5® BIG-IP® Next™ is the next-generation of F5's BIG-IP software. Leveraging a modern, highly scalable, automatable software architecture, you can capitalize on all the innovation happening with applications and the cloud while solving for the security challenges that come with hybrid apps and platforms.

Architected as a modernized software framework, BIG-IP Next accelerates application delivery with app services that can be deployed wherever they're needed. These services are supported by programmatic interfaces that are both declarative and backward compatible.

To support an increasingly automated and DevSecOps-driven business environment, application access security needs to be automated and agile—from the policies through to the architecture itself.

Shift access left and reduce your operational complexity and cost by deferring authentication and authorization to a hardened access security solution.

The declarative APIs (AS3) and configuration templates (FAST) are designed for reusability, enabling comprehensive instance control and accelerating the app provisioning process. This results in a significant reduction in provision time, from hours to minutes.

This lightweight and adaptable architecture not only simplifies operations and drives down costs but also delivers the flexibility and scale necessary to support the most configuration-intensive applications.

BIG-IP Next Central Manager Delivers Centralized Control and Visibility Across All Your BIG-IP Next Instances

At the core of every BIG-IP Next deployment is F5® BIG-IP® Next™ Central Manager, a centralized point of control that reduces the complexity and time needed to perform critical tasks and workloads. BIG-IP Next Central Manager provides a single source of truth, ensuring consistency and enforcing compliance. Now, you can more cost effectively manage all your BIG-IP instances with:

- Full instance lifecycle management
- Policy, compliance management, and security enforcement
- GUI and API driven service provisioning and troubleshooting
- Detailed visibility and analytics
- Automation leveraging Application Services Extension (AS3) and F5 Application Services Template (FAST)

BIG-IP Next Access Delivers API-First, App-Centric Access Security

F5® BIG-IP® Next™ Access is the next-generation of BIG-IP access control, enabling greater automation, scale, and overall ease of use. Designed to deliver application access as code, BIG-IP Next Access allows you to shift access left and reduce your operational complexity and cost by deferring authentication and authorization to a hardened access security solution.

No matter what authentication protocol your apps use, BIG-IP Next Access allows you to bring modern authentication and authorization, in addition to enabling SSO and MFA, to every application in your portfolio simply by writing to an API or embedding APIs directly within your application development CI/CD pipeline.

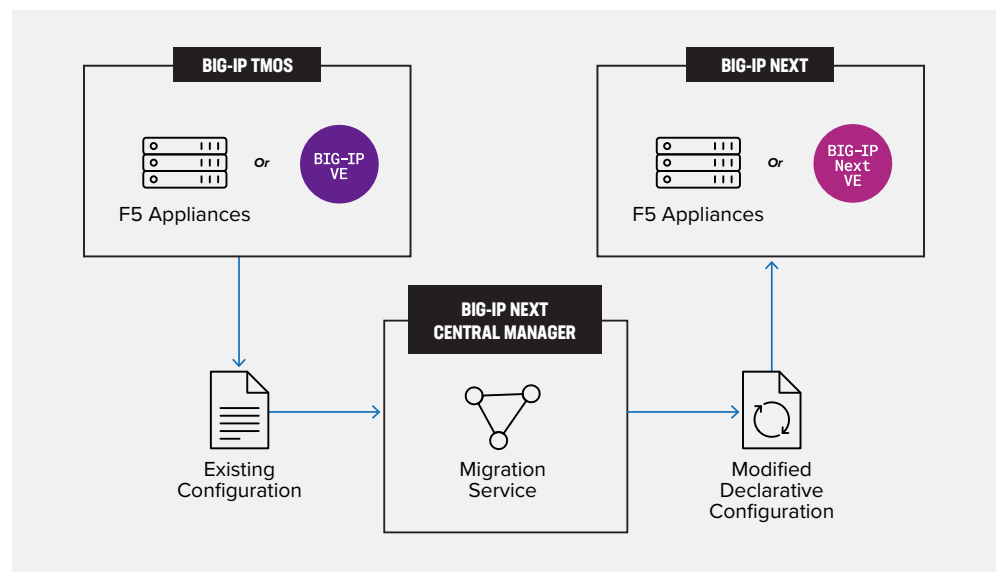
With a completely rearchitected software layer leveraging a modern, container-based framework, you can migrate access policies across platforms* while also gaining significantly improved control plane scale. This means you can allocate dedicated compute resources to support the control plane as demands change and update configurations in real-time to prevent overload and maintain performance. You can also accelerate the upgrade and update process by selecting just the modules that require changes.

As a result, you can focus on what is imperative to your applications—building features—while ensuring your security measures are tested and the necessary context-and identity-based policies and zero trust operational model are extended across your entire application portfolio.

Seamlessly Migrate Existing BIG-IP Configurations to BIG-IP Next

Converting existing BIG-IP configurations into ones that are compatible with BIG-IP Next, the migration services tool drastically reduces the time and effort required to transition to F5's next-generation software. Utilizing Application Services 3 Extension (AS3) as the foundation for this process, the tool transforms existing BIG-IP TMOS configurations into declarative configurations that are compatible with BIG-IP Next. This process can be performed for entire BIG-IP instances or on a per-app basis, allowing you to set the migration pace and ultimately have greater control.

Figure 1: Process flow for BIG-IP TMOS to BIG-IP Next migrations.



*F5 BIG-IP® Virtual Edition (VE), F5 rSeries, and F5 VELOS® platforms

F5 BIG-IP Next Access is supported across a range of deployment options to satisfy the requirements of any application environment.

Flexible Deployment and Licensing Options

BIG-IP Next Access is supported across a range of deployment options to satisfy the requirements of any application deployment—from cloud to edge and on-premises:

- **VELOS:** Powerful next-generation chassis system
- **rSeries:** API-first appliance for traditional and emerging apps
- **Virtual Edition:** Cloud-optimized virtual instance for public or private cloud

Choose the licensing model that best suits your needs, including perpetual, subscription, utility, or the flexible consumption program:

- **Flexible consumption program:** Three-year enterprise agreement empowering self-service licensing for maximum architectural flexibility
- **Subscription (1-3yr):** Renewable subscriptions affording upfront savings plus access to F5 premium support
- **Term-Limited Subscription (5yr):** One-time CapEx investment plus annual OpEx fees for F5 support
- **Utility:** Pay-as-you-go model with no long-term commitments plus access to F5 premium support

Find out how F5 products and solutions can enable you to achieve your goals. Contact an [F5 representative](#).

