



F5 PRODUCT GUIDE

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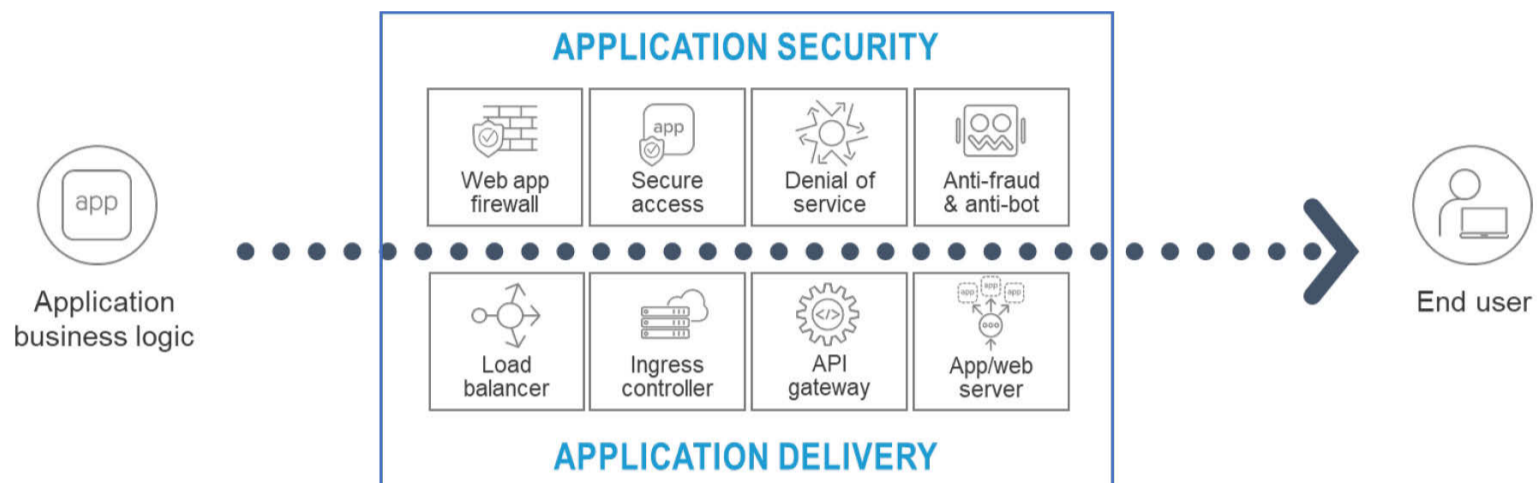
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ADAPTIVE APPLICATIONS

The new world of adaptive applications

F5 helps organisations deliver and secure extraordinary digital experiences by enabling adaptive applications that grow, shrink, defend, and heal themselves. Organisations expect seamless and personalised experiences, speedy and secure transactions, and applications that are always fast, reliable, and inspiring. F5 helps exceed those expectations through enabling applications that can adapt to the constantly changing conditions of their environment – leaving organisations free to focus on delivering digital experiences that inspire customers and users, keep them safe, and increase loyalty.

Securing and delivering application traffic



F5 brings adaptive applications to life

F5's automation, security, performance, and insight solutions empower organisations to develop, deliver, secure, and optimise adaptive applications that increase revenue, reduce costs, and better protect users.

- **AUTOMATION: Get apps to market faster and safer**
Streamline and accelerate the application development, delivery, and deployment process through automation and management solutions that include CI/CD integration, service configuration and provisioning, and multi-cloud management
- **SECURITY: Protect against bot and human fraudsters**
Defend applications against existing and emergent threats by deploying comprehensive security solutions that defend critical applications from bot attacks, web fraud, unauthorised access, DDoS attacks, DNS attacks, and attacks against APIs
- **PERFORMANCE: Deliver extraordinary digital experiences every time**
Provide highly performing digital experiences through an unparalleled suite of performance and availability services, including API management, application acceleration, application performance monitoring, load balancing, DDoS protection, container ingress, and disaster recovery
- **INSIGHT: Discover insights from application data**
Deliver better user experiences by ensuring visibility into the application portfolio, improving the efficiency of troubleshooting, harnessing application-specific insights, and using the power of data to help make better business decisions



F5 is a multi-cloud application security and delivery company that enables our customers – which include the world's largest enterprises, financial institutions, service providers, and governments – to bring extraordinary digital experiences to life. For more information, go to f5.com.

INTELLIGENT APPLICATION TRAFFIC MANAGEMENT

BIG-IP LOCAL TRAFFIC MANAGER

Intelligent application traffic management

BIG-IP Local Traffic Manager (LTM) enables you to control network traffic, selecting the right destination based on server performance, security, and availability. BIG-IP LTM helps deliver applications to users in a reliable, secure, and optimised way. You get the extensibility and flexibility of application services with programmability to manage physical, virtual, and cloud infrastructure.

Key benefits

- Deliver applications rapidly and reliably
- Automate and customise with programmable infrastructure
- Transition to SDN and cloud networks
- Easily deploy and manage applications
- Secure your critical applications



BIG-IP iSeries Appliances



BIG-IP Virtual Editions



VIPRION Chassis

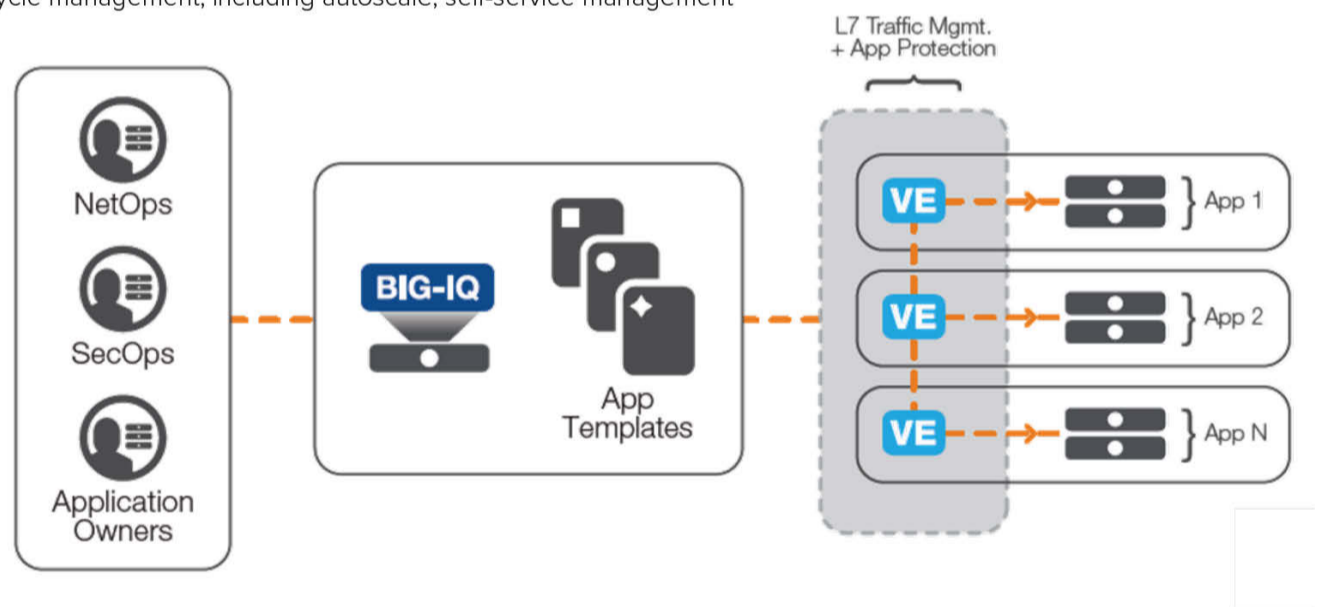
BIG-IP Cloud Edition Local Traffic Manager (LTM)

Dedicated per-app services

BIG-IP Cloud Edition supports app teams' need for flexibility and speed, while enabling operations teams to standardise on consistent network and security policies across the application portfolio. Cloud Edition is composed of tightly integrated BIG-IQ Centralized Management and BIG-IP Per-App Virtual Editions to deliver advanced app services and lifecycle management, including autoscale, self-service management for app owners, and per-app analytics.

Key benefits

- Dedicated per-app services
- Self-service management
- On-demand autoscale
- Faster troubleshooting
- Flexible licensing



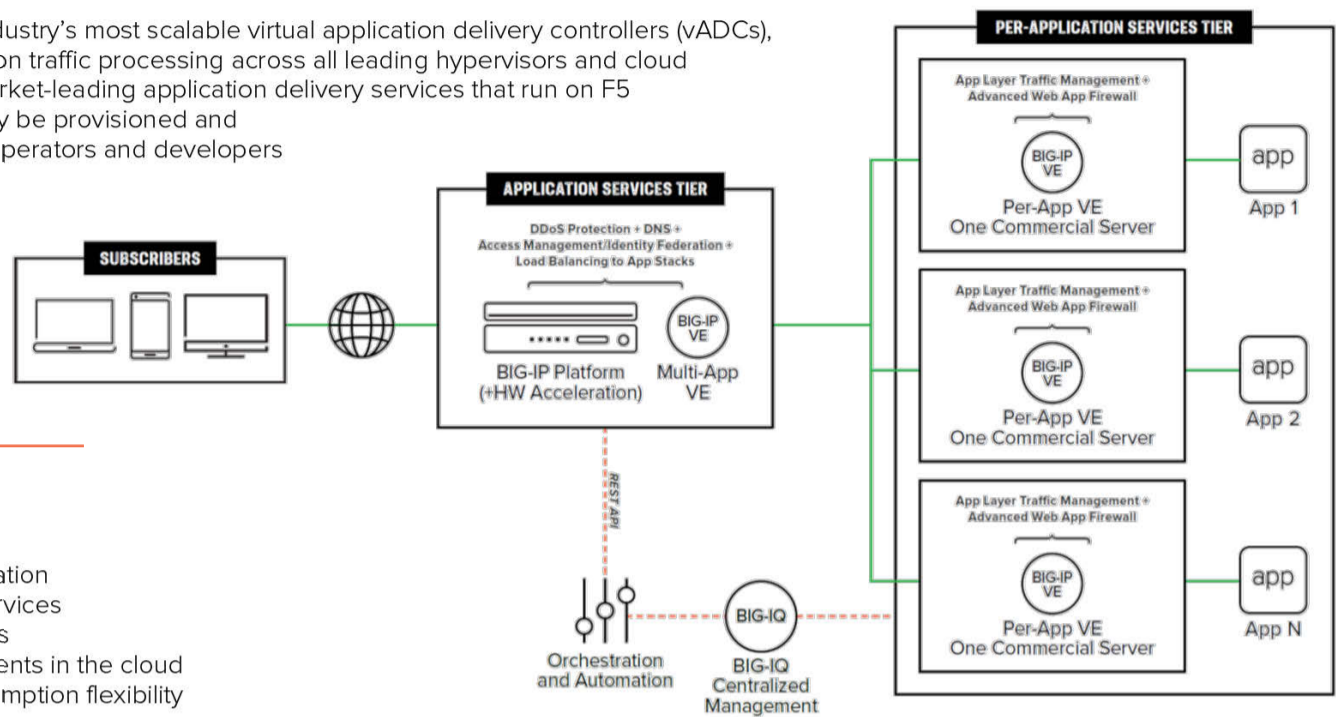
Product options

- BIG-IP Cloud Edition Local Traffic Manager (LTM)

BIG-IP Virtual Edition Local Traffic Manager (LTM)

F5 application services in any environment

BIG-IP Virtual Editions (VEs) are the industry's most scalable virtual application delivery controllers (vADCs), facilitating high-performance application traffic processing across all leading hypervisors and cloud platforms. VEs deliver all the same market-leading application delivery services that run on F5 purpose-built hardware. VEs can easily be provisioned and configured automatically by network operators and developers alike, allowing them to be integrated within existing CI/CD pipelines and ensuring all applications are deployed with the necessary security, compliance, and traffic management capabilities.



Key benefits

- Increase multi-cloud agility
- Accelerate deployments with automation
- Optimise application and security services
- Use modern application architectures
- Support high-performance requirements in the cloud
- Gain ultimate deployment and consumption flexibility

Product options

- BIG-IP Virtual Edition Local Traffic Manager (LTM)
- Local Traffic Manager (LTM) Add-on Licenses for BIG-IP Virtual Edition
- License Upgrades for BIG-IP Virtual Edition
- Add-on Licenses for BIG-IP Virtual Edition

BIG-IP iSeries Local Traffic Manager (LTM)

Gain agility with the most programmable cloud-ready ADC

F5's next-generation, cloud-ready application delivery controller (ADC) platform provides DevOps-like agility with the scale, security depth, and investment protection needed for both established and emerging apps. The BIG-IP iSeries appliances deliver quick and easy programmability, ecosystem-friendly orchestration, and record-breaking, software-defined hardware performance. As a result, customers can accelerate private clouds and secure critical data at scale while lowering TCO and future-proofing their application infrastructure.

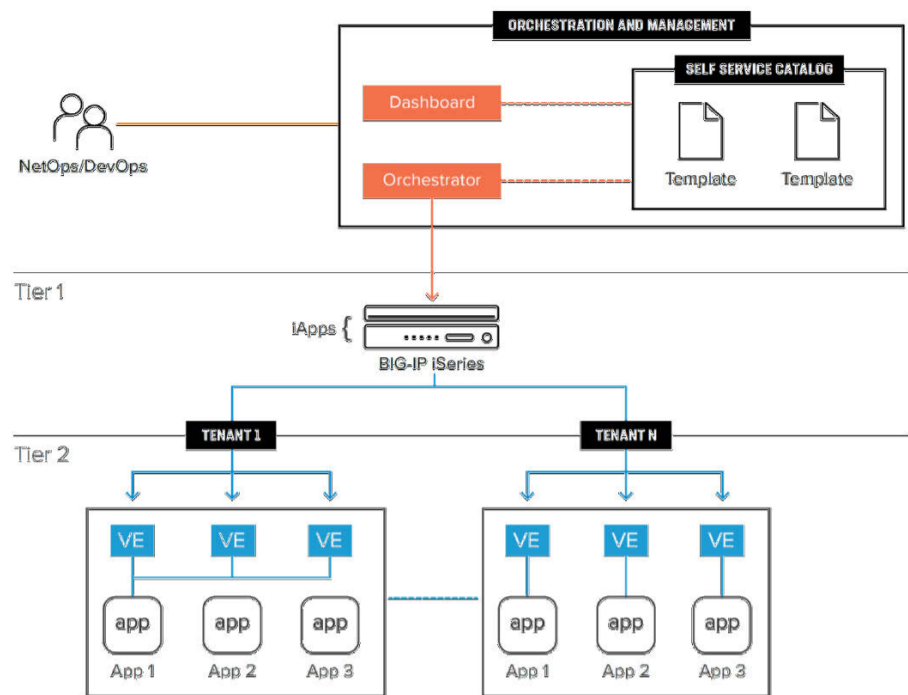
Key benefits

- Obtain the lowest TCO
- Protect critical data
- Secure applications
- Ensure the easiest deployment
- Maximise investment protection
- Maximise uptime



Product options

- BIG-IP iSeries Local Traffic Manager (LTM)
- Local Traffic Manager (LTM) Add-on Modules for BIG-IP iSeries
- License Upgrades for BIG-IP iSeries
- Add-on Modules for BIG-IP iSeries
- Power Supply Options for BIG-IP iSeries
- Hardware Options for BIG-IP iSeries



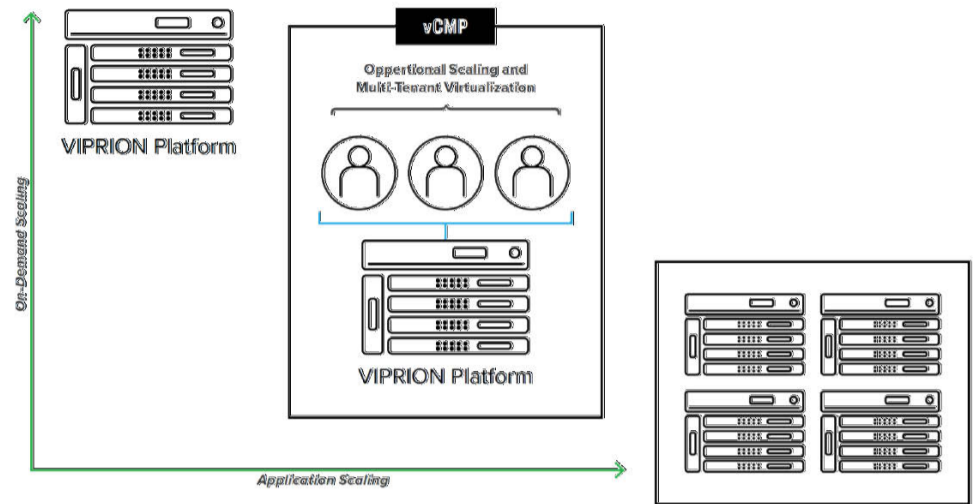
VIPRION Local Traffic Manager (LTM)

The on-demand application delivery controller

Each VIPRION platform is a single, powerful application delivery controller with modular performance blades you can add or remove without disrupting users or applications. Instead of adding devices and segmenting applications, simply add more power to your existing infrastructure as needs and opportunities arise. VIPRION enables the scalability you need to establish a sustainable application delivery network growth strategy.

Key benefits

- Reduce costs
- Maximise performance
- Consolidate devices
- Achieve ultimate reliability



Product options

- VIPRION Local Traffic Manager (LTM)
- Local Traffic Manager (LTM) Add-on Modules for VIPRION
- Add-on Licenses for VIPRION
- Power Supply Options for VIPRION
- Hardware Options for VIPRION

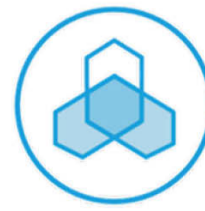
BIG-IP BETTER AND BEST BUNDLES

License application services through product bundles

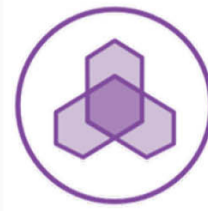
F5's product bundles let you choose from available modules, with standardised images and fewer configurations. Plus, you can save up to 65% over buying the modules as individual components. Get advanced traffic management, optimisation, and security services on one BIG-IP platform. With Good, Better, and Best options, you can find the right fit to address your business challenges.



Good



Better



Best

-
- **Good:** Intelligent local traffic management for increased operational and peak network performance of applications
 - **Better:** The capabilities of Good, along with advanced application delivery optimisation
 - **Best:** The capabilities of Better, plus advanced access management and application security

Product options

- BIG-IP Virtual Edition Best Bundles
- BIG-IP Virtual Edition Better Bundles
- Best Bundle Upgrades for BIG-IP Virtual Edition
- Better Bundle Upgrades for BIG-IP Virtual Edition
- BIG-IP iSeries Best Bundles
- BIG-IP iSeries Better Bundles
- Best Bundle Upgrades for BIG-IP iSeries
- Better Bundle Upgrades for BIG-IP iSeries
- Better and Best Bundles for VIPRION

NGINX PLUS APPLICATION DELIVERY CONTROLLER

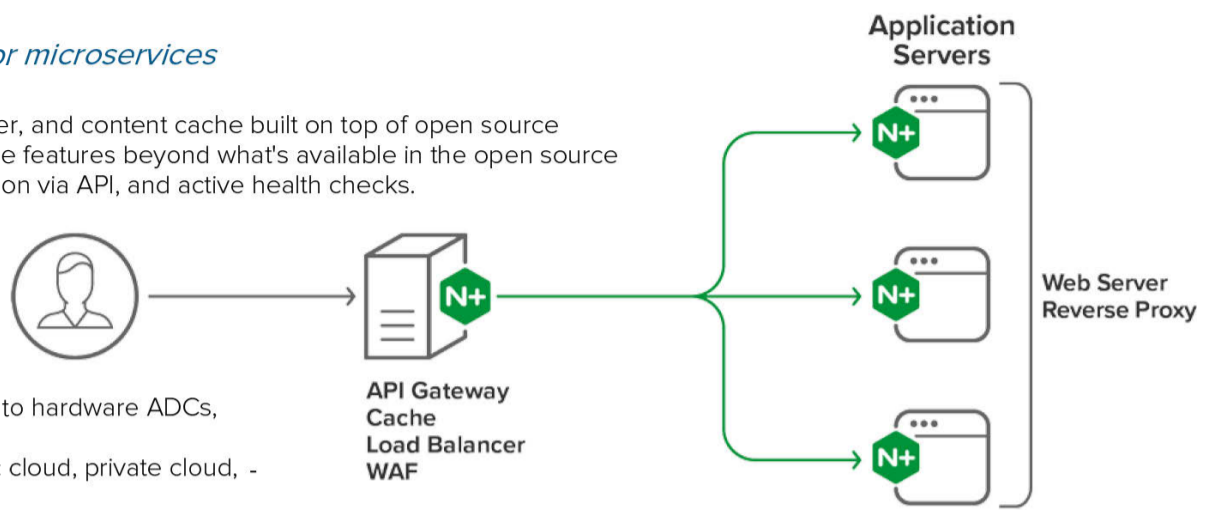
NGINX Plus

High-performance application delivery for microservices

NGINX Plus is a software load balancer, web server, and content cache built on top of open source NGINX. NGINX Plus has exclusive enterprise-grade features beyond what's available in the open source offering, including session persistence, configuration via API, and active health checks.

Key benefits

- Cost effective – Save more than 80% compared to hardware ADCs, without sacrificing performance or functionality
- Flexible and portable – Deploy anywhere: public cloud, private cloud, - bare metal, virtual machines, and containers
- Automated – Save time by performing common tasks through the built in NGINX Plus API



Product options

- NGINX Plus

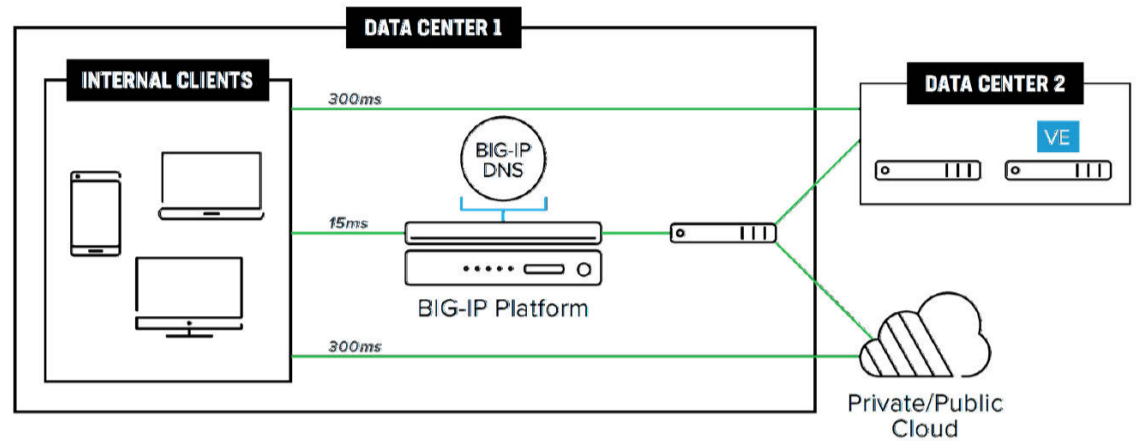
BIG-IP DNS DELIVERY

Hyperscale and protect DNS while optimising global application delivery

BIG-IP DNS improves the performance and availability of global applications by sending users to the closest or best-performing physical, virtual, or cloud environment. It also hyperscales and secures the DNS infrastructure from DDoS attacks. Global server load balancing (GSLB) distributes user application requests based on business policies, data center and cloud service conditions, user location, and application performance.

Key benefits

- Hyperscale DNS up to 100 million RPS
- Protect against DNS attacks to ensure availability
- Improve global application performance
- Deploy flexibly and scale as you grow
- Manage the network efficiently



Product options

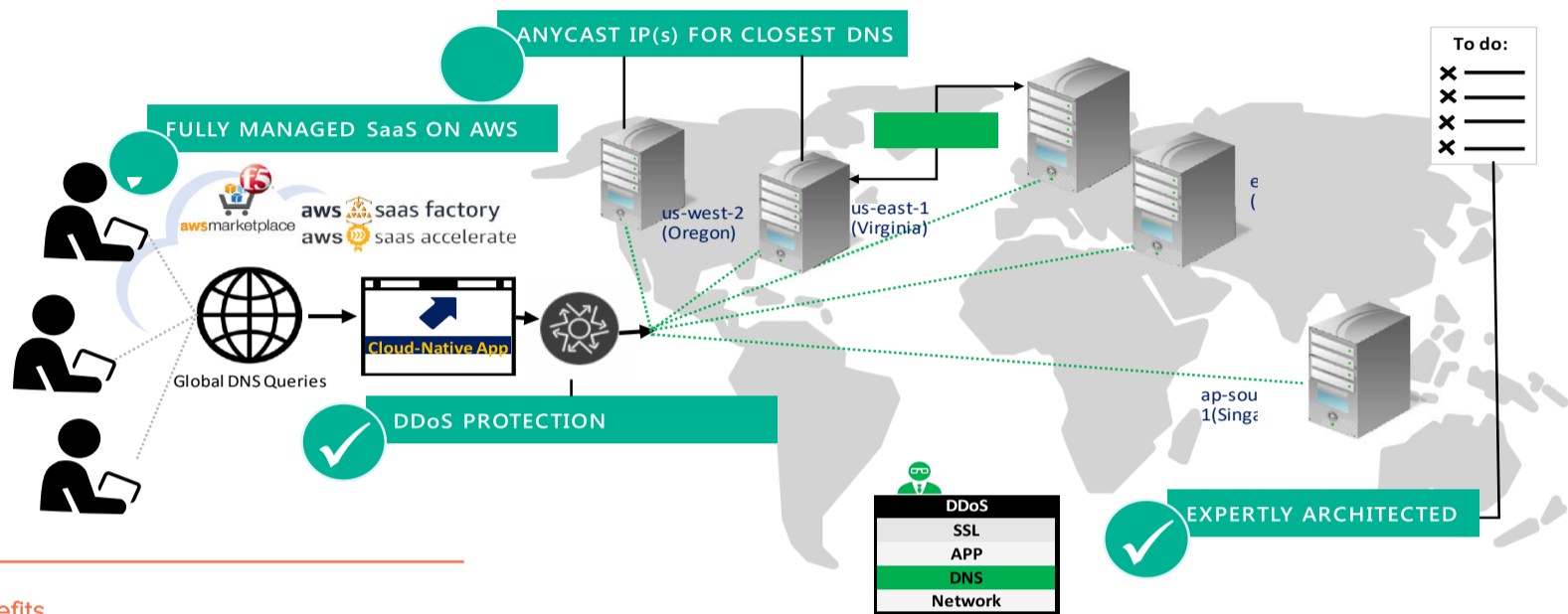
- BIG-IP Virtual Edition DNS
- DNS Add-on Licenses for BIG-IP Virtual Edition
- BIG-IP iSeries DNS
- DNS Add-on Modules for BIG-IP iSeries
- DNS Add-on Modules for VIPRION

DNS CLOUD SERVICES

DNS Cloud Service

Cloud-native SaaS solutions for enhanced application delivery, security, and insight

With DNS Cloud Service, you can easily provision and configure DNS services within a few clicks and begin responding to queries within minutes of activation. DNS Cloud Service is a globally available, cloud-agnostic service that balances the benefits of cloud services with our in-depth DNS expertise in an easy-to-configure solution with built-in security – pay for what you use and scale on demand.



Key benefits

- Layers of security
- Simplicity and speed
- Global availability and diversity
- Flexible interfaces
- Auto-scale
- In-depth reporting
- Cost-effective
- Experience and support

Product options

- DNS Cloud Service

DNS Load Balancer Cloud Service

Cloud-native SaaS solution for global load balancing

With F5 DNS Load Balancer Cloud Service, you can ensure high availability and application performance in minutes with a simple, intelligent service. DNS Load Balancer Cloud Service can help you easily perform geolocation-based routing and set up multi-cloud load balancing within minutes. You can drop it into your CI/CD pipeline or move even faster by automating everything using APIs.

Key benefits

- Intelligent load balancing for improved uptime and performance
- Location-based routing on a global network
- Managing services in an intuitive user interface or automating with declarative APIs

Product options

- DNS Load Balancer Cloud Service

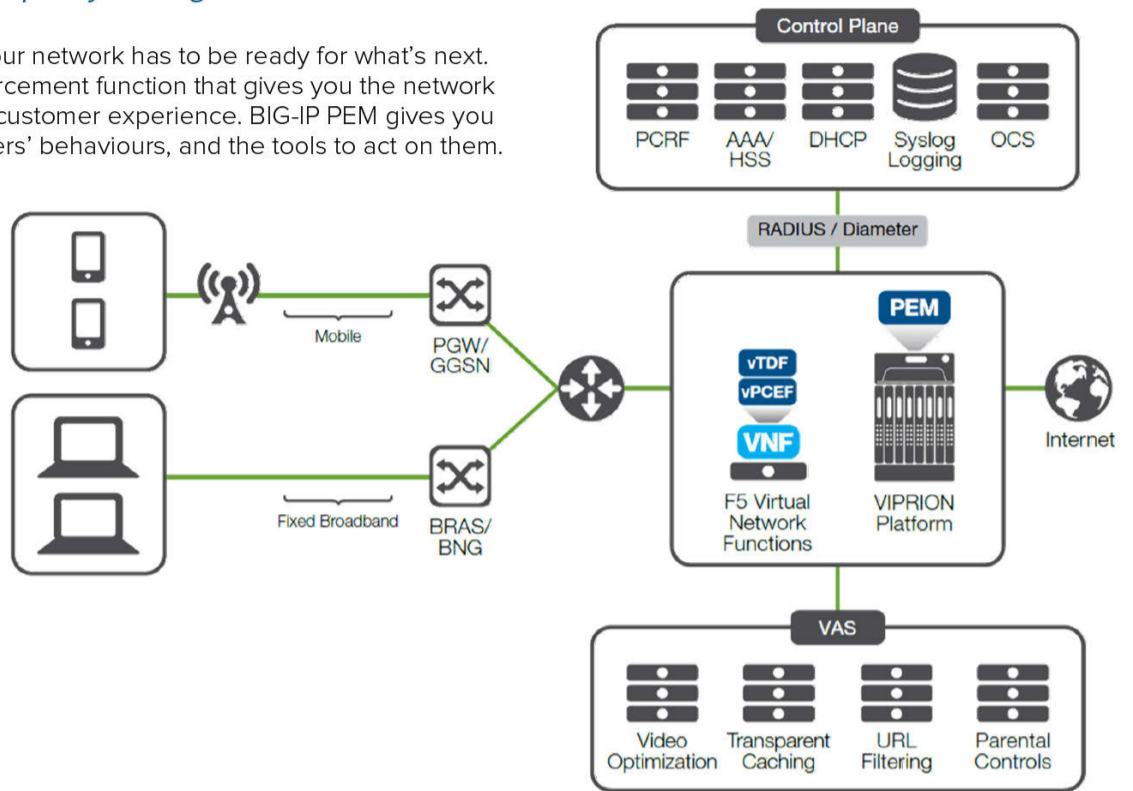
BIG-IP POLICY ENFORCEMENT MANAGER

Improve network performance through effective policy management

With the pervasiveness of mobile devices, IoT, and 5G, your network has to be ready for what's next. BIG-IP Policy Enforcement Manager (PEM) is a policy enforcement function that gives you the network flexibility and control you need while delivering a reliable customer experience. BIG-IP PEM gives you insight into your network's performance and your customers' behaviours, and the tools to act on them.

Key benefits

- Enable new business models and services
- Optimise network performance and video traffic
- Improve subscriber experience
- Consolidate services and reduce costs
- Achieve carrier-grade performance and scalability
- Roll out new services faster



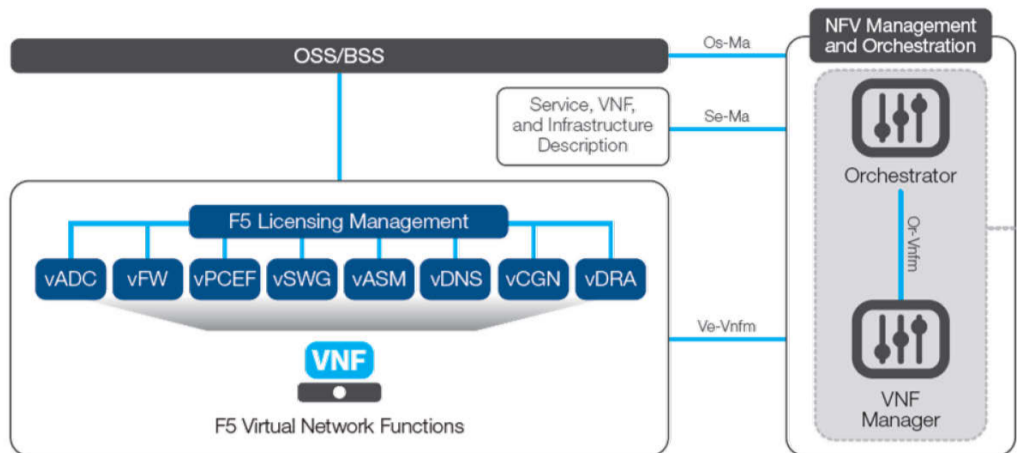
Product options:

- BIG-IP Virtual Edition Policy Enforcement Manager (PEM)
- Policy Enforcement Manager (PEM) Add-on Licenses for BIG-IP Virtual Edition
- URL Filtering Subscription Licenses for BIG-IP Virtual Edition Policy Enforcement Manager (PEM)
- BIG-IP iSeries Policy Enforcement Manager (PEM)
- Policy Enforcement Manager (PEM) Add-on Modules for BIG-IP iSeries
- URL Filtering Subscription Licenses for BIG-IP iSeries Policy Enforcement Manager (PEM)
- VIPRION Policy Enforcement Manager (PEM)
- Policy Enforcement Manager (PEM) Add-on Modules for VIPRION
- URL Filtering Subscription Licenses for VIPRION Policy Enforcement Manager (PEM)

BIG-IP VIRTUALISED NETWORK FUNCTION BUNDLES

Packaged NFV solutions for service providers

Leveraging network functions virtualisation (NFV) helps lower costs, increase operational efficiency, and monetise new services. F5's prepackaged, preconfigured NFV solutions simplify the deployment and management of virtualised network. These integrated solution packages for service providers combine F5's leading Virtual Editions (VNFs) with automated lifecycle management in a capacity-based consumption model.



Product options

- BIG-IP Virtual Edition Virtualized Network Function (VNF) Better and Best Bundles
- Virtualized Network Function (VNF) Better Bundles for BIG-IP Virtual Edition

BIG-IP Virtual Edition VNF Manager

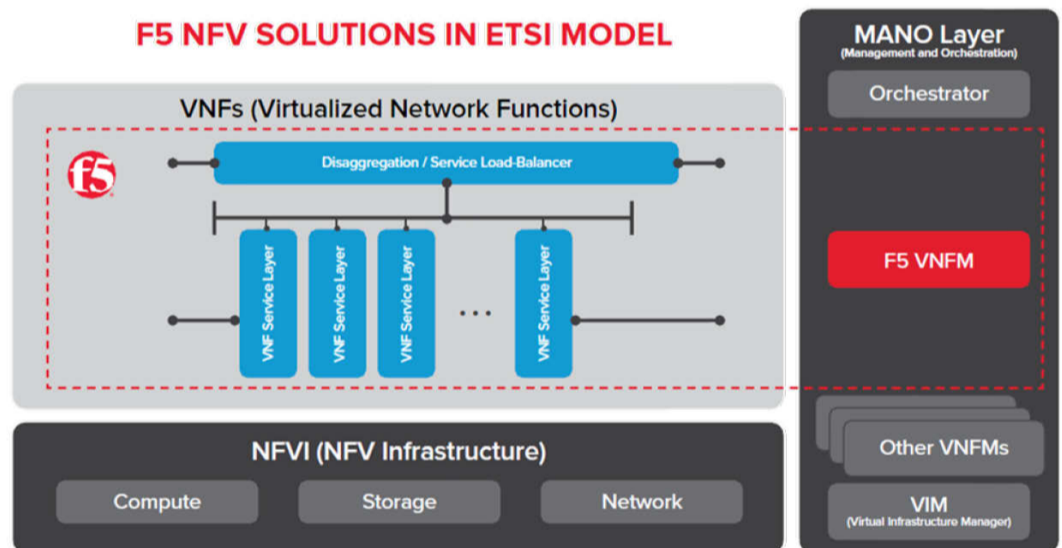
Automated full lifecycle management of VNFs

F5's VNF Manager controls the lifecycle of your VNFs by spinning them up or down as needed, or moving VNFs to different locations. It automates deployment, drives configuration, and manages autoscaling, updates, and upgrades.

Key benefits

- Lower costs
- Enhance security
- Speed time to market
- Provide automated full lifecycle management

F5 NFV SOLUTIONS IN ETSI MODEL



Product options

- BIG-IP Virtual Edition VNF Manager

APPLICATION SECURITY

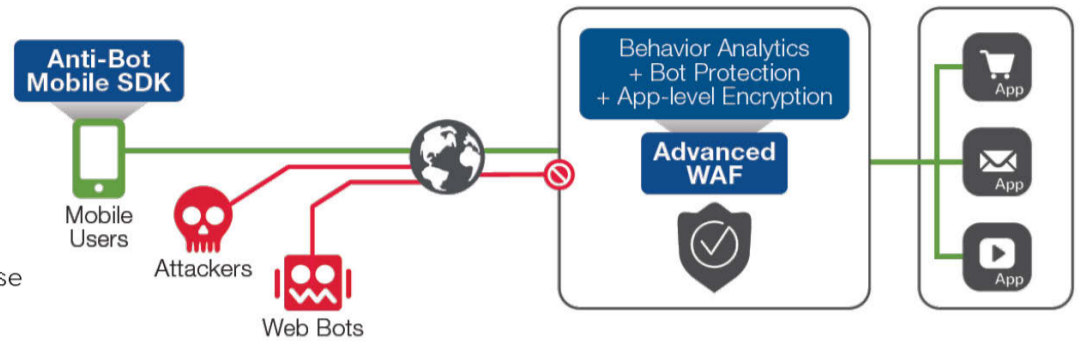
BIG-IP ADVANCED WEB APPLICATION FIREWALL

Identify and block attacks that other WAF solutions miss

Web application firewalls (WAF) protect your applications from data breaches by fixing vulnerabilities and stopping attacks. F5 Advanced Web Application Firewall protects against the latest wave of attacks using behavioural analytics, proactive bot defence, and application-layer encryption of sensitive data, such as credentials – without having to update the apps themselves.

Key benefits

- Protect web and mobile applications from malicious bots
- Safeguard credentials and sensitive data from theft and abuse
- Defend against sophisticated application denial-of-service
- Mitigate sophisticated threat campaigns
- Protect APIs



Product options

- BIG-IP Cloud Edition Advanced Web Application Firewall (AWF)
- BIG-IP Cloud Edition Local Traffic Manager (LTM) and Advanced Web Application Firewall (AWF)
- BIG-IP Virtual Edition Advanced Web Application Firewall (AWF)
- Advanced Web Application Firewall (AWF) Add-on Licenses for BIG-IP Virtual Edition
- BIG-IP iSeries Advanced Web Application Firewall (AWF)
- Advanced Web Application Firewall (AWF) Add-on Modules for BIG-IP iSeries
- VIPRION Advanced Web Application Firewall (AWF)
- Advanced Web Application Firewall (AWF) Add-on Modules for VIPRION

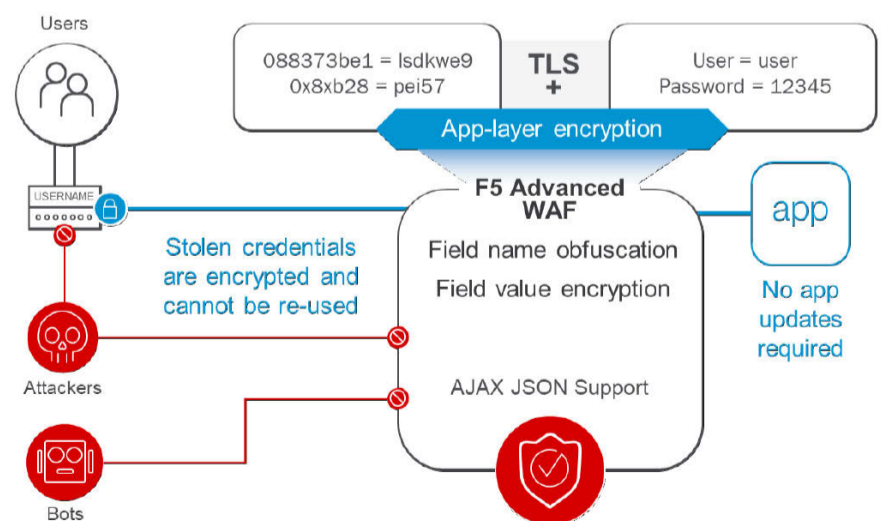
BIG-IP DATASAFE

Safeguard credentials and sensitive data from theft and abuse

DataSafe protects credentials and data from threats with application-level field encryption, beyond TLS encryption with protection against client-side vulnerabilities. Sensitive data from the user is automatically encrypted in the browser and remains encrypted until it's decrypted by DataSafe and securely passed to the application.

Key benefits

- Additional layer of protection for data and credentials
- Deployment without modifying applications
- Clientless and seamless to the end user



Product options

- DataSafe Add-on Licenses for BIG-IP Virtual Edition
- DataSafe Add-on Modules for BIG-IP iSeries
- DataSafe Add-on Modules for VIPRION

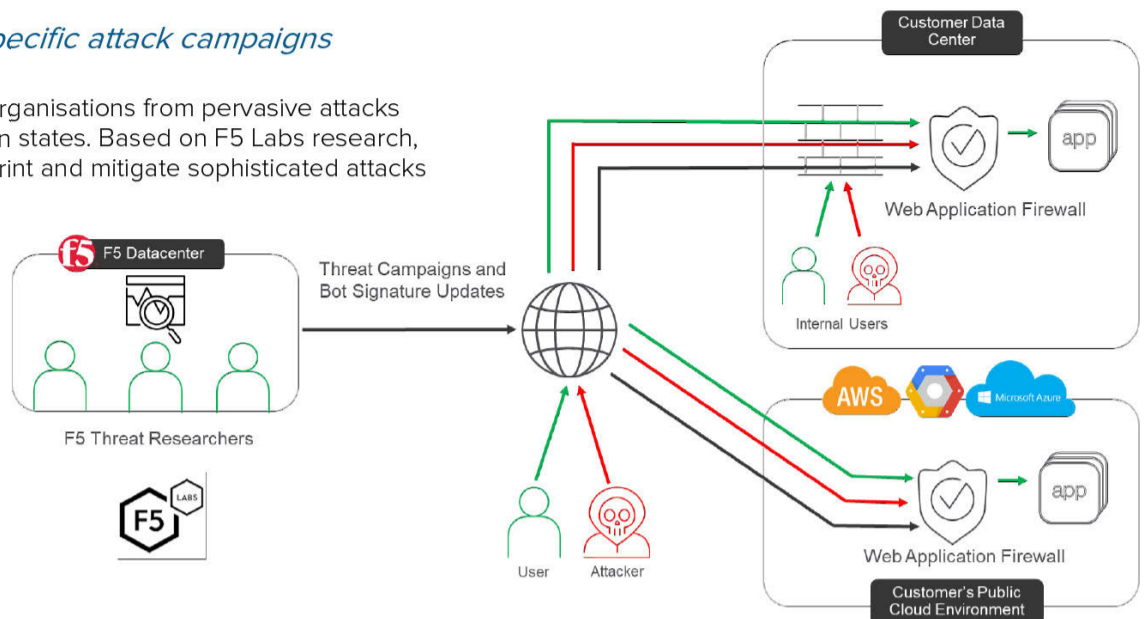
BIG-IP THREAT CAMPAIGNS

Accurate and automated mitigation against specific attack campaigns

Threat Campaigns offer targeted signatures to protect organisations from pervasive attacks that are often coordinated by organised crime and nation states. Based on F5 Labs research, Threat Campaigns provide critical intelligence to fingerprint and mitigate sophisticated attacks with nearly real-time updates.

Key benefits

- Accurate detection – Near zero false positives
- Actionable and relevant – Not just raw data feeds
- Faster mitigation – Lower operational risk
- Minimal IT effort – Reduced TCO



Product options

- Threat Campaigns Subscription Licenses for BIG-IP Cloud Edition
- Threat Campaigns Subscription Licenses for BIG-IP Virtual Edition
- Threat Campaigns Subscription Licenses for BIG-IP iSeries
- Threat Campaigns Subscription Licenses for VIPRION

BIG-IP ANTI-BOT MOBILE SDK

Protect web and mobile applications from malicious bots

Appdome's no-code mobile integration platform enables implementation of F5 Anti-Bot Mobile SDK in minutes, to quickly protect mobile applications. Both developers and non-developers can implement the full functionality of the SDK using a simple "click to implement" user interface.

Key benefits

- Protect what's important
- Rapidly deliver in-depth mobile bot detection
- Provide consistent experience across platforms
- Support multi-service implementations



Product options

- Anti-Bot Mobile SDK Add-on Licenses for BIG-IP Virtual Edition
- Anti-Bot Mobile SDK Add-on Licenses for BIG-IP iSeries
- Anti-Bot Mobile SDK Add-on Licenses for VIPRION

BIG-IP IP INTELLIGENCE SERVICES

Block malicious IP addresses

F5 IP Intelligence Services enhances automated security decisions with IP reputation intelligence. By identifying IP addresses and security categories associated with malicious activity, IP Intelligence Services can incorporate dynamic lists of threatening IP addresses from third parties into the F5 platform, adding context and automation to Advanced WAF blocking decisions.



Key benefits

- Ensure IP threat protection
- Improve visibility into threats from multiple sources
- Enable granular threat reporting and automated blocking
- Optimise protection with real-time updates

Product options

- IP Intelligence (IPI) Subscription Licenses for BIG-IP Cloud Edition
- IP Intelligence (IPI) Subscription Licenses for BIG-IP Virtual Edition
- IP Intelligence (IPI) Subscription Licenses for BIG-IP iSeries
- IP Intelligence (IPI) Subscription Licenses for VIPRION

BIG-IP INTRUSION PREVENTION SYSTEM

Cost-effectively defend against threats for a broad set of protocols

F5 Intrusion Prevention System is ideal for customers that want to apply additional security controls for a broad set of protocols without deploying a dedicated platform, but are unable to migrate all application traffic because of technical limitations, cost, and operational concerns. Unlike other vendors, the BIG-IP platform provides consolidated DDoS, firewall, and IDS/IPS functionality to enable cost-effective security control for many protocols and threat vectors.

Key benefits

- Savings in CapEx and OpEx
- Security operational simplicity
- Improved performance
- Integrated DDoS protection and ADC

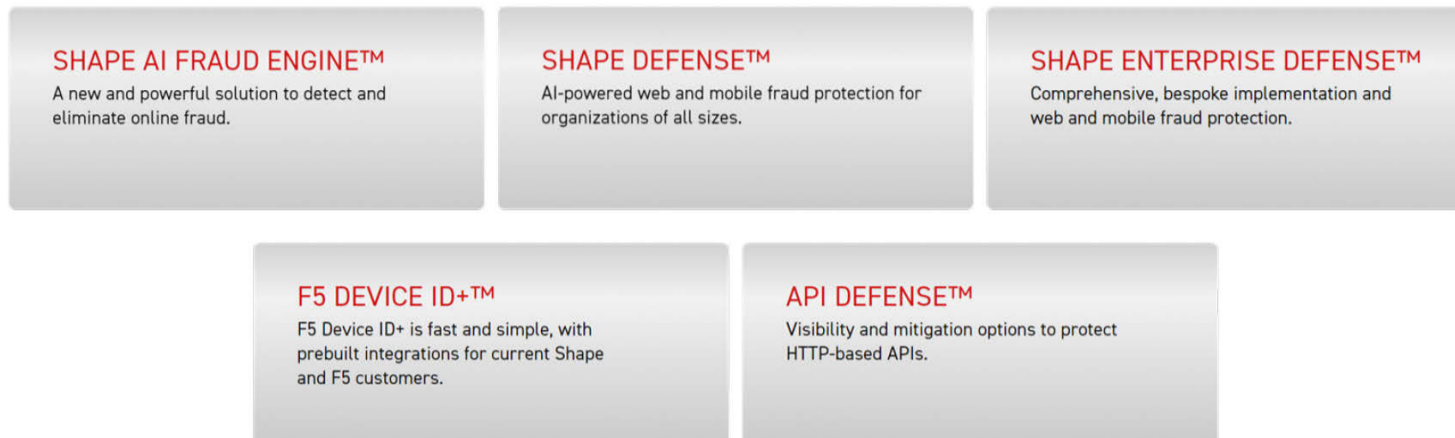
Product options

- Intrusion Prevention System (IPS) Licenses for BIG-IP Virtual Edition
- Intrusion Prevention System (IPS) Signature Subscription Licenses for BIG-IP Virtual Edition
- Intrusion Prevention System (IPS) Add-on Modules for BIG-IP iSeries
- Intrusion Prevention System (IPS) Signature Subscription Licenses for BIG-IP iSeries
- Intrusion Prevention System (IPS) Add-on Licenses for VIPRION
- Intrusion Prevention System (IPS) Signature Subscription Licenses for VIPRION

SHAPE SECURITY FRAUD PROTECTION

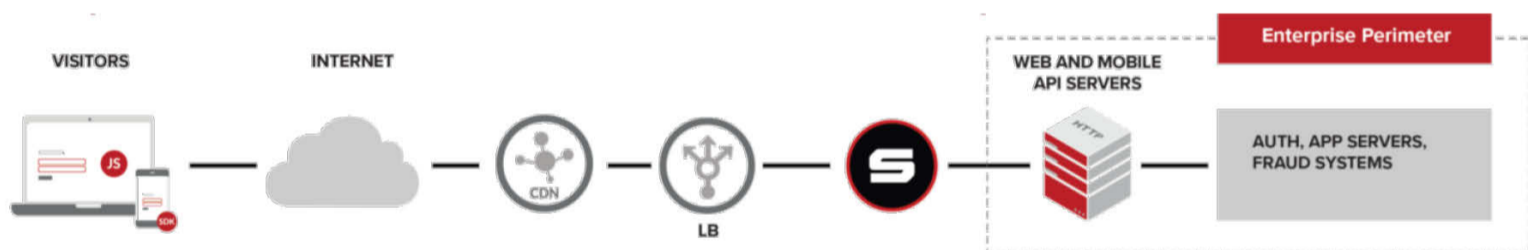
Best-in-class application security and fraud prevention solutions

Shape protects web and mobile applications and API endpoints from sophisticated automation attacks that would otherwise result in large scale fraud. Shape solutions leverage artificial intelligence (AI) and machine learning (ML), among other technologies, to accurately determine in real-time if an application request is from a fraudulent source, and if so, effectively mitigate. Shape solutions adapt and maintain full efficacy even as attackers evolve.



Key benefits

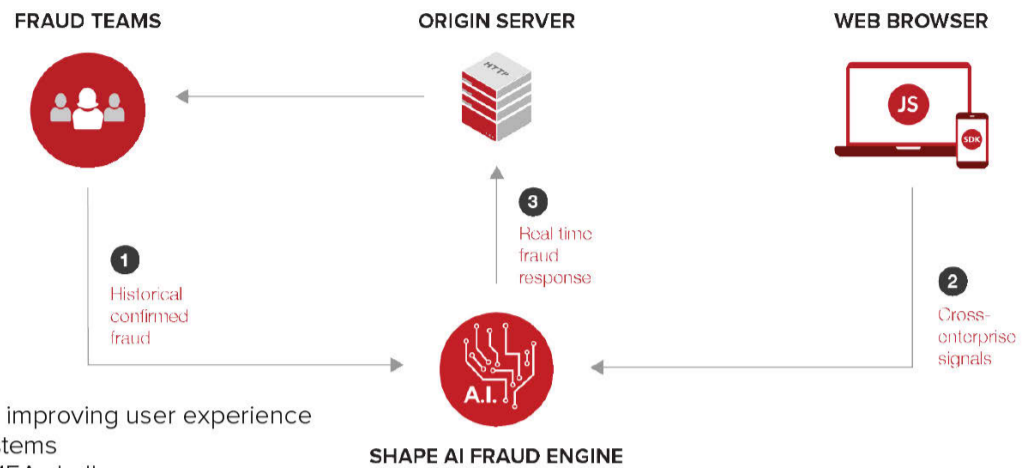
- **Unrivaled accuracy:** Accurately detect and mitigate fraudulent and unwanted traffic in real-time through telemetry, signal collection, and advanced AI and ML
- **Zero user friction:** Allow legitimate human users to proceed without additional friction: no CAPTCHA, no multi-factor authentication
- **Omnichannel protection:** Protect web and mobile applications, as well as HTTP APIs
- **Advanced defences:** Defend against aggressive aggregators, manual fraud, and compromised user credentials



Shape AI Fraud Engine (SAFE)

A new and powerful solution to detect and eliminate online fraud

Reducing online fraud against web and mobile applications is difficult. Despite having numerous fraud tools, fraud losses for most enterprises continue to increase each year. Worse, fear of fraud also causes enterprises to impose friction on legitimate users. Shape AI Fraud Engine (SAFE) gives fraud teams a new and powerful solution to detect and eliminate online fraud.



Key benefits

- Delivers a closed-loop, real-time solution for reducing fraud and improving user experience
- Delivers the outcome of "less fraud" often 2x less than other systems
- Delivers less friction for legitimate users by eliminating excess MFA challenges
- Requires less effort from fraud teams to operate
- Delivers fraud prevention outcomes-as-a-service

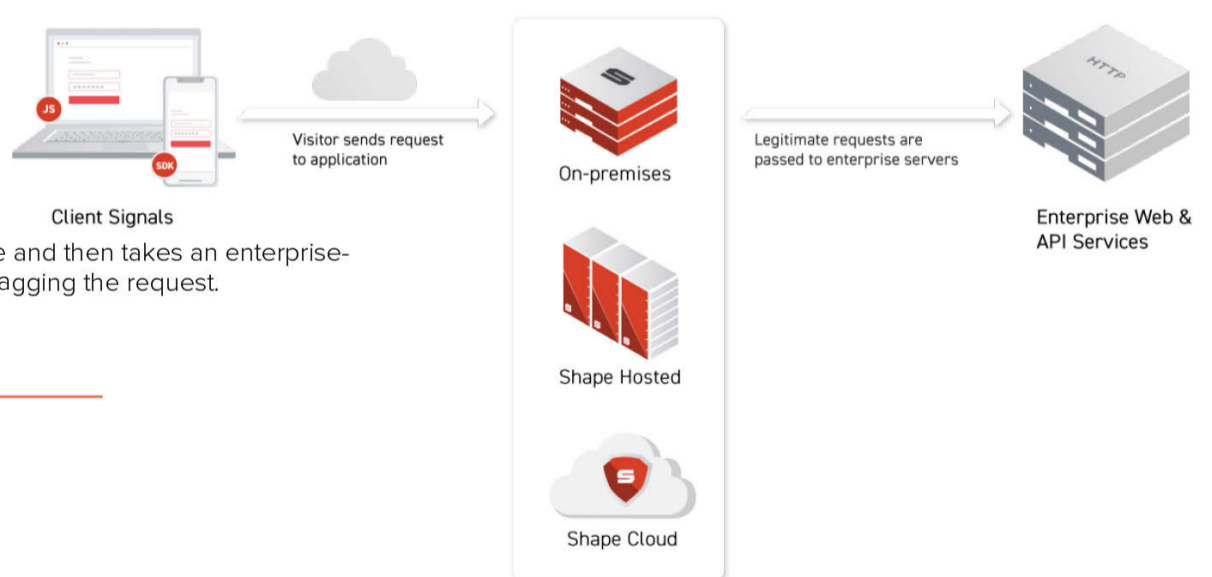
Product options

- Shape AI Fraud Engine (SAFE)
- Shape Recognize

Shape Enterprise Defense Fraud Protection

Prevent sophisticated fraud and cyberattacks on web and mobile applications

Shape invisibly protects every application from attack, fraud, and abuse. By defending the world's largest companies, Shape has developed expertise in not just knowing whether a request is coming from a bot or human, but whether the request was made with malicious or benign intent. Shape Enterprise Defense determines in real time if an application request is from a fraudulent source and then takes an enterprise-specified action, such as blocking, redirecting, or flagging the request.



Key benefits

- Detection of advanced attackers that retool
- Omnichannel protection: web, mobile, and APIs
- Zero effort to operate
- Collective customer defence
- Flexible deployment options
- Reduced user friction

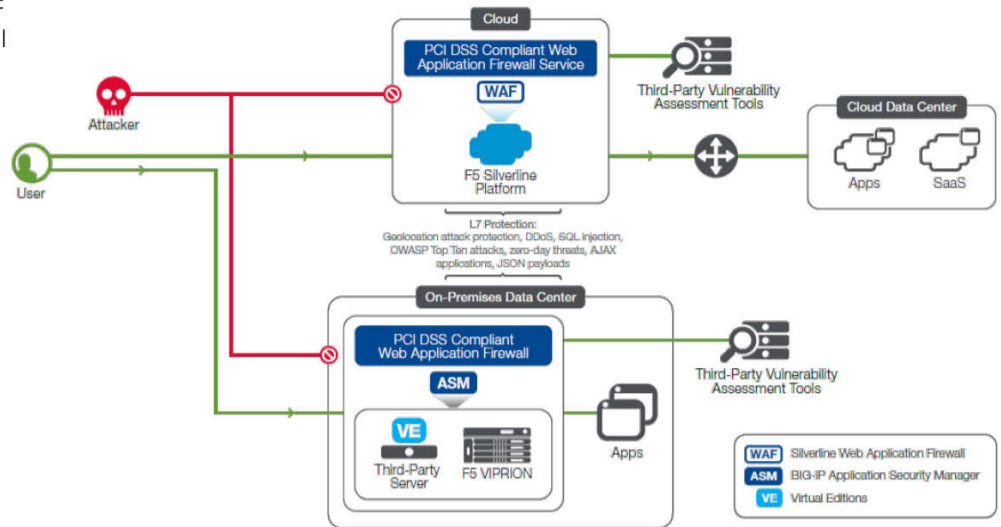
Product options

- Shape Enterprise Defense Fraud Protection
- Shape Zero Footprint Defense

SILVERLINE MANAGED WEB APPLICATION FIREWALL SERVICES

Full- and self-service, cloud-based security to protect your applications

Silverline Web Application Firewall (WAF) is a cloud-based managed service or express self-service that protects web applications and data from ever-evolving threats and enables compliance. Whether protecting apps on premises or in the cloud, Silverline WAF lets you augment your in-house resources and decrease operational expenses with a service that's wholly set up, deployed, and maintained by certified experts in F5's Security Operations Center.



Key benefits

- Ensure application security and compliance
- Get 24x7x365 WAF expert service
- Deploy flexibly across hybrid environments
- Defend with proven security effectiveness
- Drive operational and cost efficiencies
- Gain attack insights and intelligence

Product options

- Silverline Web Application Firewall (WAF) Subscription Services

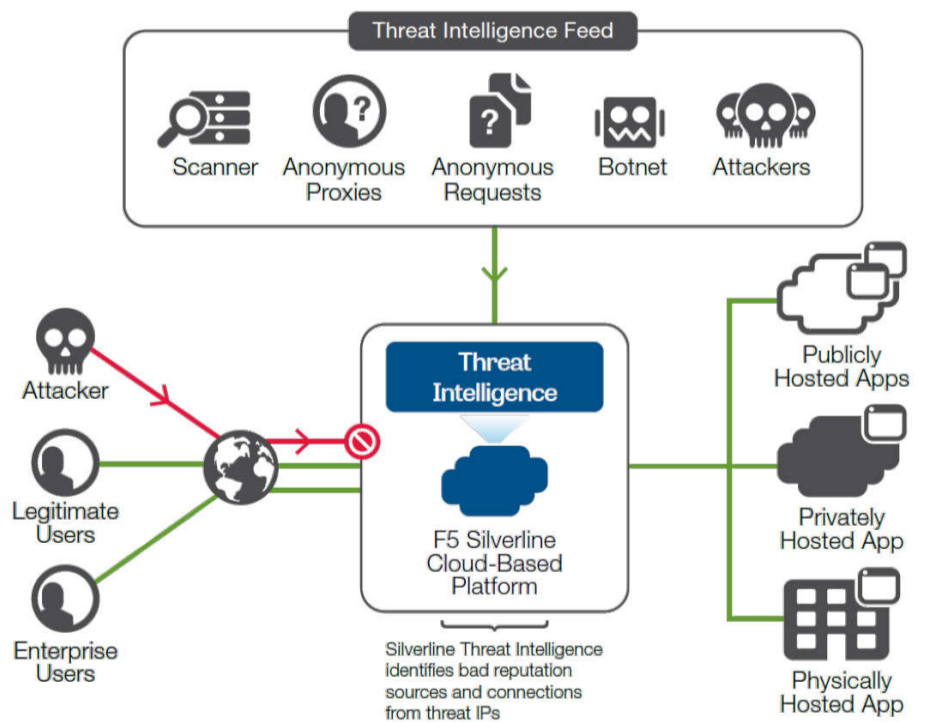
SILVERLINE MANAGED THREAT INTELLIGENCE SERVICES

Defend against malicious traffic

F5 Silverline Threat Intelligence is a cloud-based service incorporating external IP reputation and reducing threat-based communications. By identifying IP addresses and security categories associated with malicious activity, this managed service integrates dynamic lists of threatening IP addresses with the Silverline cloud-based platform, adding context-based security to policy decisions.

Key benefits

- Ensure IP threat protection
- Improve threat visibility
- Automate blocking and granular reporting
- Optimise real-time threat security



Product options

- Silverline Threat Intelligence IP Reputation Subscription Services

NGINX APPLICATION SECURITY

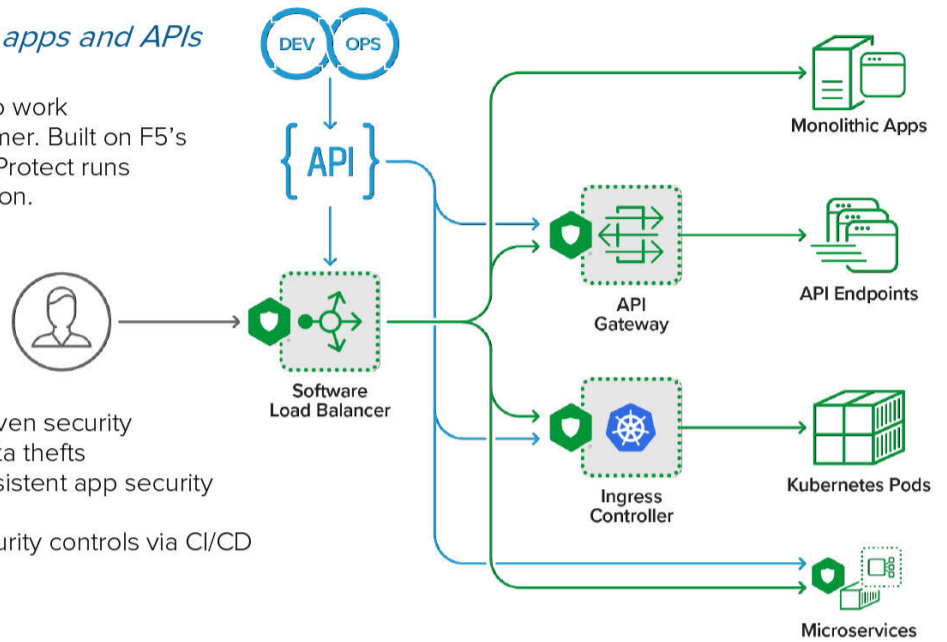
NGINX App Protect

Prevent downtime and breaches by securing your modern apps and APIs

NGINX App Protect is a modern application security solution designed to work seamlessly in DevOps environments to deliver apps from code to customer. Built on F5's market-leading web application firewall and bot protection, NGINX App Protect runs natively on NGINX Plus and integrates security controls into the application.

Key benefits

- **Deploy app centric security:** Push high performing, scalable, and proven security closer to the apps, protecting against revenue impacting attacks and data thefts
- **Protect modern apps:** Run on NGINX Plus as a WAF that enables consistent app security controls for web applications, microservices, containers, and APIs
- **Reduce costs with automation:** Manage and automate approved security controls via CI/CD pipelines, removing workflow bottlenecks and supporting DevOps



Product options

- App Protect Module for NGINX Plus

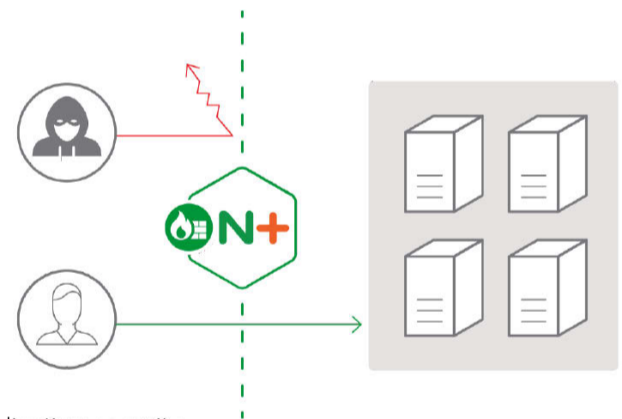
NGINX Plus Web Application Firewall

Protect your apps with a WAF based on ModSecurity open source software

The NGINX Web Application Firewall (WAF) protects applications against sophisticated layer 7 attacks that might otherwise lead to systems being taken over by attackers, loss of sensitive data, and downtime. The NGINX WAF is based on the widely used ModSecurity open source software.

Key benefits

- Battle-tested – Used by more than a million websites, ModSecurity is the most trusted name in application security
- Flexible – Open source software that can be deployed in any environment: bare metal, public cloud, private cloud, hybrid cloud, virtual machines, containers
- Cost-effective – PCI compliance at a fraction of the cost of hardware WAFs



Product options

- NGINX Plus with ModSecurity Web Application Firewall
- ModSecurity Web Application Firewall Module for NGINX Plus

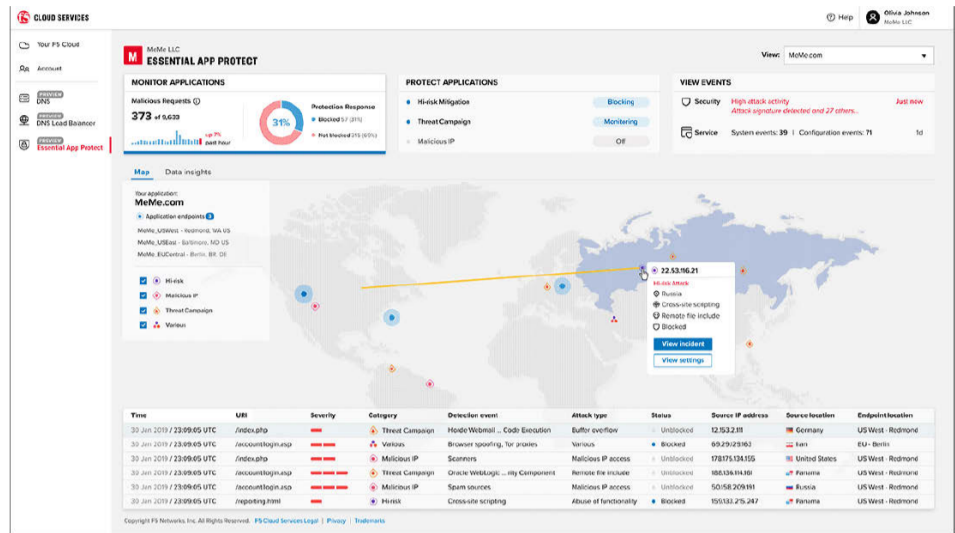
ESSENTIAL APP PROTECT CLOUD SERVICE

Take the complexity out of safeguarding web apps with SaaS security

Essential App Protect shields your web-facing apps – as a service – without sacrificing speed and agility. Within minutes of activation, your app will have out-of-the-box protection against common web exploits, malicious IPs, and coordinated attacks – no security expertise required. Tight integration with F5 Labs threat intelligence ensures that Essential App Protect utilises real-time insights to defend your app from evolving threat vectors.

Key benefits

- Defend your apps with WAF protection
- Automatically mitigate high-risk attacks
- Track and respond to the evolving threat landscape
- Eliminate malicious IPs and automate security decisions
- See current threats with the live map display
- Reduce expenses and increase app security
- Use an intuitive web interface or APIs
- Optimise app performance with low latency



Product options

- Essential App Protect Cloud Service

APPLICATION ACCESS

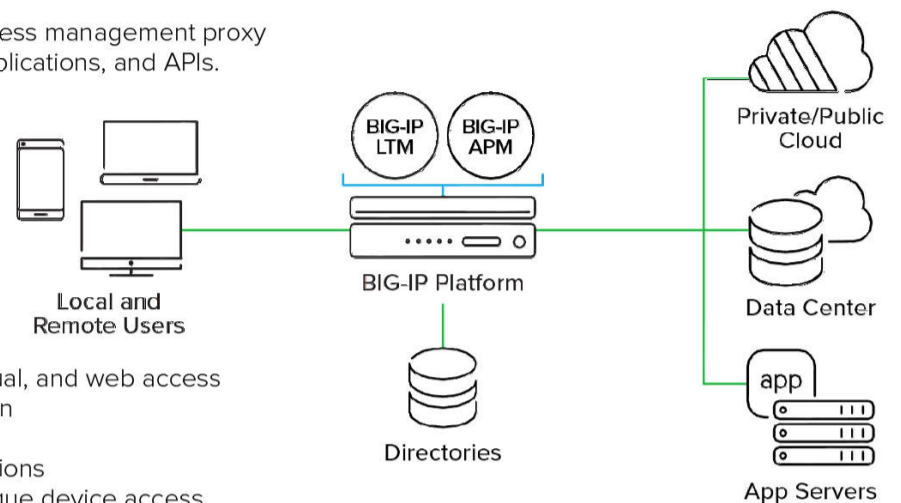
BIG-IP ACCESS POLICY MANAGER

Secure, simplify, and protect user access to applications and data

F5's Access Policy Manager (APM) is a secure, flexible, high-performance access management proxy solution that delivers unified global access control for your users, devices, applications, and APIs. Through its single management interface, APM converges and consolidates remote, mobile, network, virtual desktops, and web access. With APM, you can create and enforce simple, dynamic, intelligent access policies.

Key benefits

- Simplify access to on-premises and cloud apps with a single login via SSO
- Unify control by consolidating management of remote, mobile, network, virtual, and web access
- Reduce costs by replacing web access proxy tiers with an integrated solution
- Secure web access to web-based applications and web content
- Centralise and manage access control to your network, clouds, and applications
- Defend your weakest links by protecting against data loss, malware, and rogue device access
- Protect APIs by enabling secure authentication for REST and SOAP APIs
- Support all users easily, quickly, and cost-effectively with no performance trade-offs



Product options

- BIG-IP Virtual Edition Access Policy Manager (APM)
- Access Policy Manager (APM) Add-on Licenses for BIG-IP Virtual Edition
- BIG-IP iSeries Access Policy Manager (APM)
- Access Policy Manager (APM) Add-on Modules for BIG-IP iSeries
- Access Policy Manager (APM) Add-on User Licenses for BIG-IP iSeries
- VIPRION Access Policy Manager (APM)
- Access Policy Manager (APM) Add-on Modules for VIPRION
- Access Policy Manager (APM) Add-on User Licenses for VIPRION
- Privileged User Access (PUA) Add-on Licenses for BIG-IP Virtual Edition
- Privileged User Access (PUA) Add-on Modules for BIG-IP iSeries
- Privileged User Access (PUA) Add-on Modules for VIPRION

BIG-IP SECURE WEB GATEWAY

Gain insight and control over web traffic

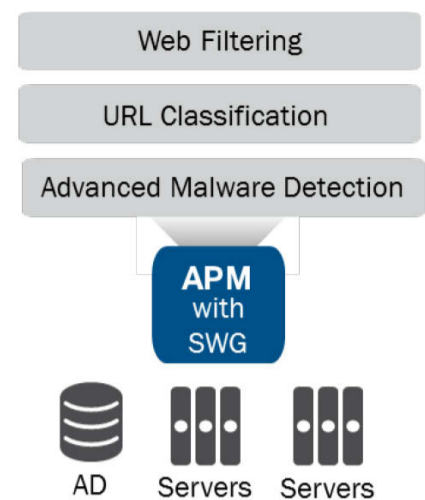
BIG-IP Secure Web Gateway Services can enforce secure web access for on-premises, remote, and mobile users. It also helps protect against web-borne malware, targeted attacks, and other insidious dangers lurking on the web. Secure Web Gateway Services keeps your team connected without putting your network, applications, or data at risk.

Key benefits

- See who is visiting which sites and enable user-based web security policies
- Monitor and control off-premises or cloud-based user web activities
- Log web activity in forensic detail and publish it to leading SIEM solutions
- Use the web-based Splunk App to access aggregated graphical reports

Product options

- Secure Web Gateway Subscription Licenses for BIG-IP Virtual Edition
- Secure Web Gateway (SWG) Subscription Licenses for BIG-IP iSeries
- Secure Web Gateway (SWG) Subscription Licenses for VIPRION



BIG-IP URL FILTERING

Ensure appropriate usage policies

Using the extensive Forcepoint database, URL filtering in BIG-IP Secure Web Gateway Services controls access to websites, web-based applications, protocols, and videos. Secure Web Gateway Services also filters search results based on policy, preventing the display of offensive search results or images. URL filtering is customisable, and it helps reduce and mitigate corporate exposure to web-based threats and data leakage.

Category	Sub-Category	Filtering Action
Custom Categories		+
Abortion		+
Adult Material		-
	Nudity	-
	Sex	-
	Sex Education	+
	Lingerie and Swimsuit	+
	Adult Content	-
Advocacy Groups		+
Bandwidth		+
Business and Economy		+
Drugs		-
Education		+
Entertainment		+

Product options

- URL Filtering Subscription Licenses for BIG-IP Virtual Edition
- URL Filtering Subscription Licenses for BIG-IP iSeries
- URL Filtering Subscription Licenses for VIPRION

INFRASTRUCTURE SECURITY

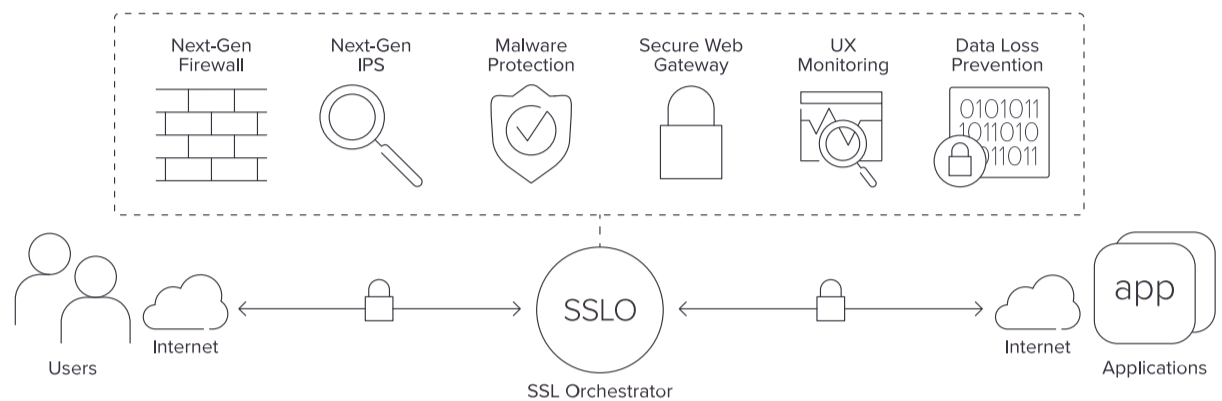
BIG-IP SSL ORCHESTRATOR

Provide visibility into SSL and TLS traffic at scale

F5 SSL Orchestrator maximises infrastructure investments, efficiencies, and security with dynamic, policy-based decryption, encryption, and traffic steering through multiple inspection devices. SSL Orchestrator applies context-based intelligence to allow you to manage the flow of encrypted traffic across your entire security chain. F5 partners with leading security companies, creating an ecosystem that strengthens security, increases scale and availability, and lowers operational costs for everyone.

Key benefits

- Enable visibility into SSL/TLS traffic
- Provide high-performance decryption of inbound and outbound SSL/TLS traffic
- Dynamically chain security devices
- Deliver a single platform for unified inspection
- Flexibly integrate into complex architectures
- Scale security services with high availability



Product options

- BIG-IP Virtual Edition SSL Orchestrator (SSLO)
- SSL Orchestrator (SSLO) Add-on Licenses for BIG-IP Virtual Edition
- SSL and FIPS Add-on Licenses for BIG-IP Virtual Edition
- BIG-IP iSeries SSL Orchestrator (SSLO)
- SSL Orchestrator (SSLO) Add-on Licenses for BIG-IP iSeries
- SSL and FIPS Add-on Licenses for BIG-IP iSeries
- VIPRION SSL Orchestrator (SSLO)
- SSL Orchestrator (SSLO) Add-on Licenses for VIPRION
- SSL and FIPS Add-on Licenses for VIPRION

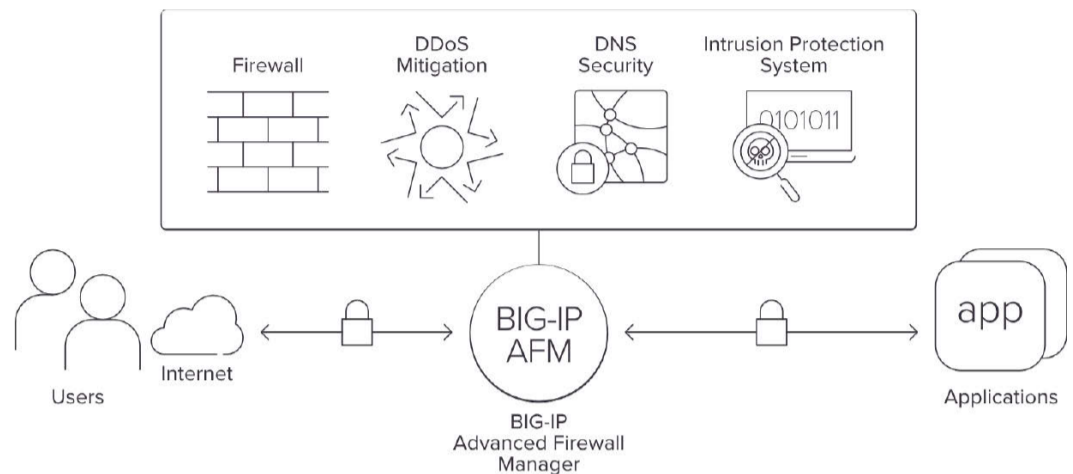
BIG-IP ADVANCED FIREWALL MANAGER

Protect your network against incoming threats

BIG-IP Advanced Firewall Manager (AFM) mitigates network threats before they disrupt critical data center resources. BIG-IP AFM scales to shut down high-capacity DDoS attacks that can overwhelm firewalls and networks. It automatically invokes mitigation, alerts security admins, and configures or adjusts thresholds as traffic patterns change – without affecting legitimate traffic.

Key benefits

- Scale to meet network demand
- Ensure application availability
- Protect with app-centric, full-proxy firewall capabilities
- Inspect SSL sessions
- Streamline firewall deployment
- Customise reporting for visibility



Product options

- BIG-IP Virtual Edition Advanced Firewall Manager (AFM)
- Advanced Firewall Manager (AFM) Add-on Licenses for BIG-IP Virtual Edition
- BIG-IP iSeries Advanced Firewall Manager (AFM)
- Advanced Firewall Manager (AFM) Add-on Modules for BIG-IP iSeries
- VIPRION Advanced Firewall Manager (AFM)
- Advanced Firewall Manager (AFM) Add-on Modules for VIPRION

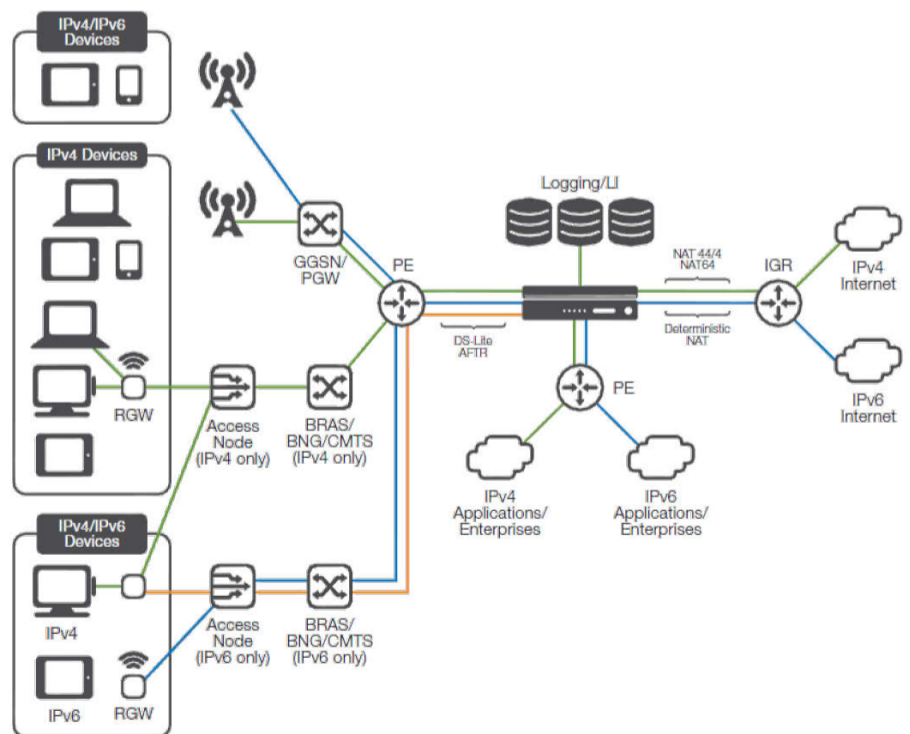
BIG-IP CARRIER GRADE NAT

Stay ahead of the IPv4 to IPv6 migration

BIG-IP Carrier-Grade NAT (CGN) offers a broad set of tools that enables service providers to successfully migrate to IPv6 while continuing to support and interoperate with existing IPv4 devices and content. BIG-IP CGN offers service providers tunneling solutions with Dual-Stack Lite capabilities as well as native network address translation solutions, such as NAT44 and NAT64.

Key benefits

- Optimise network performance with carrier-grade performance and scalability
- Reduce servers and management costs
- Manage address depletion and IPv6 migration with flexible deployment options



Product options

- BIG-IP Virtual Edition Carrier Grade NAT (CGN)
- Carrier Grade NAT (CGN) Add-on Licenses for BIG-IP Virtual Edition
- BIG-IP iSeries Carrier Grade NAT (CGN)
- Carrier Grade NAT (CGN) Add-on Modules for BIG-IP iSeries
- VIPRION Carrier Grade NAT (CGN)
- Carrier Grade NAT (CGN) Add-on Modules for VIPRION

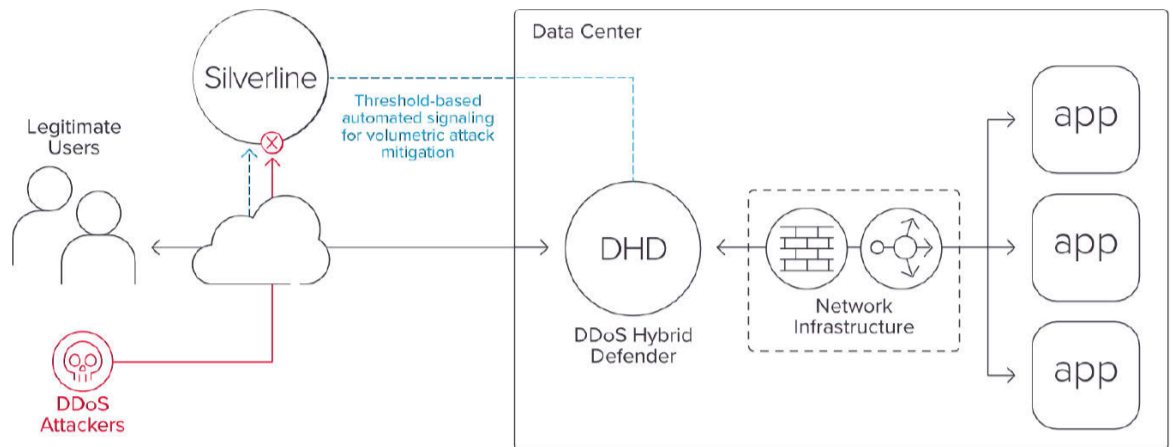
BIG-IP DDoS HYBRID DEFENDER

Hybrid DDoS defence for the data center

F5 DDoS Hybrid Defender provides comprehensive DDoS protection for your network and at the application layer with flexibility and scale for inline, out-of-band, and hybrid deployments. DDoS Hybrid Defender is the only multi-layered defence that protects against blended network attacks and sophisticated application attacks, while enabling full SSL decryption, anti-bot capabilities, and advanced detection methods – all in one appliance.

Key benefits

- Stateful security, stateless scale
- Ultra-resilient hybrid design
- Operations speed
- Self-tuning and automated behavioural defence
- F5 security intelligence
- Deployment where you need it most



Product options

- BIG-IP Virtual Edition DDoS Hybrid Defender (DHD)
- DDoS Hybrid Defender (DHD) Add-on Licenses for BIG-IP Virtual Edition
- BIG-IP iSeries DDoS Hybrid Defender (DHD)
- VIPRION DDoS Hybrid Defender (DHD)

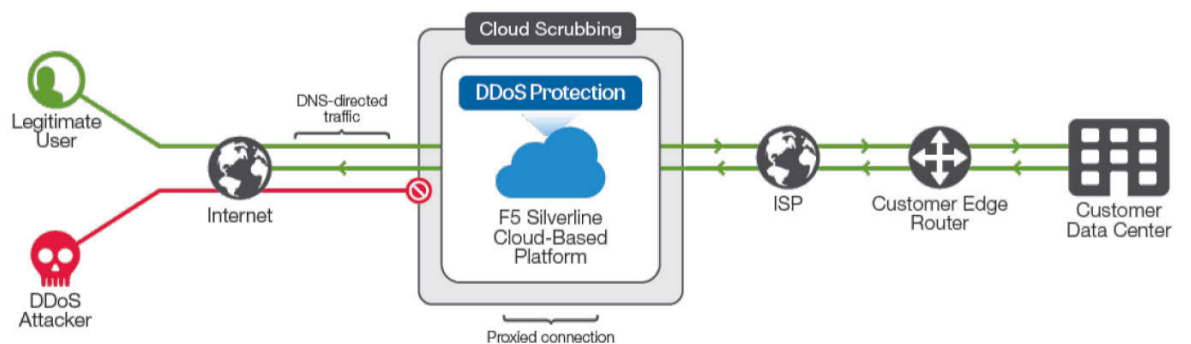
SILVERLINE MANAGED DDoS PROTECTION SERVICES

Cloud-delivered DDoS protection

Silverline DDoS Protection is a fully managed, cloud-delivered service that detects and mitigates large-scale, SSL, or application-targeted attacks in real time – defending your business from even those attacks that exceed hundreds of gigabits per second. Silverline reduces the burden on in-house security teams with cloud-based DDoS protections. It includes 24x7 access to experts from F5's Security Operations Center.

Key benefits

- Keep business online during a DDoS attack
- Protect against all DDoS attack vectors
- Gain attack mitigation insights
- Defend against volumetric attacks
- Get expert service
- Drive efficiencies with hybrid DDoS solution



Product options

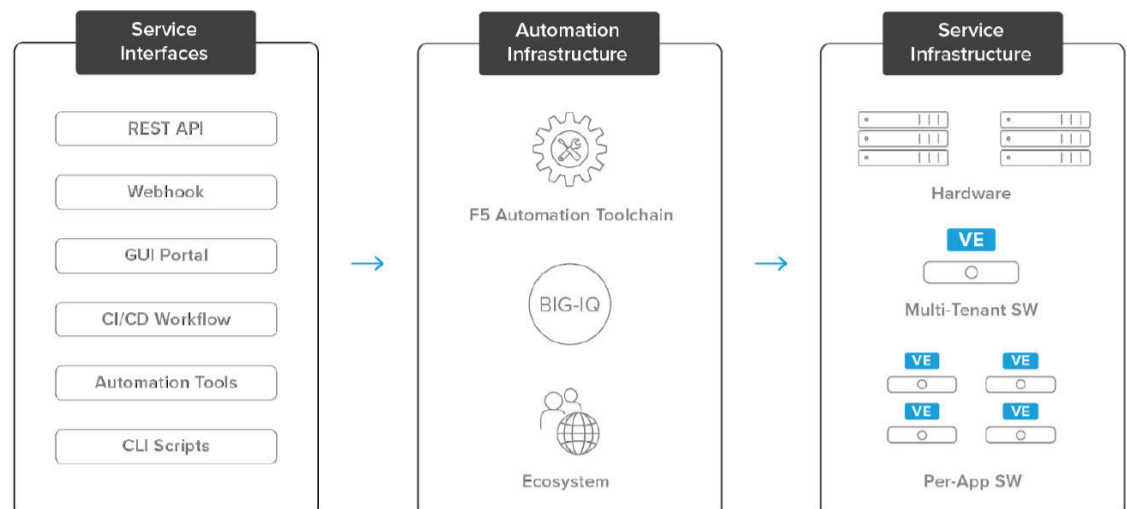
- Silverline DDoS Protection Subscription Services
- Additional Options for Silverline DDoS Protection Subscription Services
- Silverline Shape Defense Bot Protection Subscription Services

AUTOMATION, ORCHESTRATION, AND MANAGEMENT

AUTOMATION TOOLCHAIN

Empower DevOps with automation tools

F5 Automation Toolchain is a set of automation tools that makes it faster and easier to deploy and configure application services. The toolchain allows services such as traffic management and application security to be managed programmatically, through simple, declarative APIs. F5 Automation Toolchain enables developers to programmatically extend F5 application services and integrate with CI/CD toolchains, orchestration systems, and 3rd-party ecosystems.



Key benefits

- Faster and easier deploy and configure F5 devices and application services
- Easily implement agile methodology with declarative model
- Integrate with 3rd-party automation and orchestration systems
- Monitor and analyse applications through BIG-IQ or Telemetry Streaming
- Manage application-specific configurations on BIG-IP

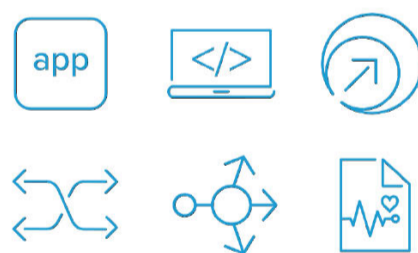
TECHNOLOGIES AND PROGRAMMABILITY

Technologies to deliver every app, anywhere

F5 technologies help deliver applications and data with greater agility, security, availability, performance, and scalability. F5 products and the platforms they run on ensure your apps are fast, secure, and available – anywhere on any device.

Key technologies

- **iApps:** Automating and saving time
- **iRules:** Custom scripting
- **iControl LX:** Programmable extensibility layer
- **iControl REST:** Integration at your fingertips
- **iCall:** Device configuration
- **iHealth:** Diagnostic tool for BIG-IP



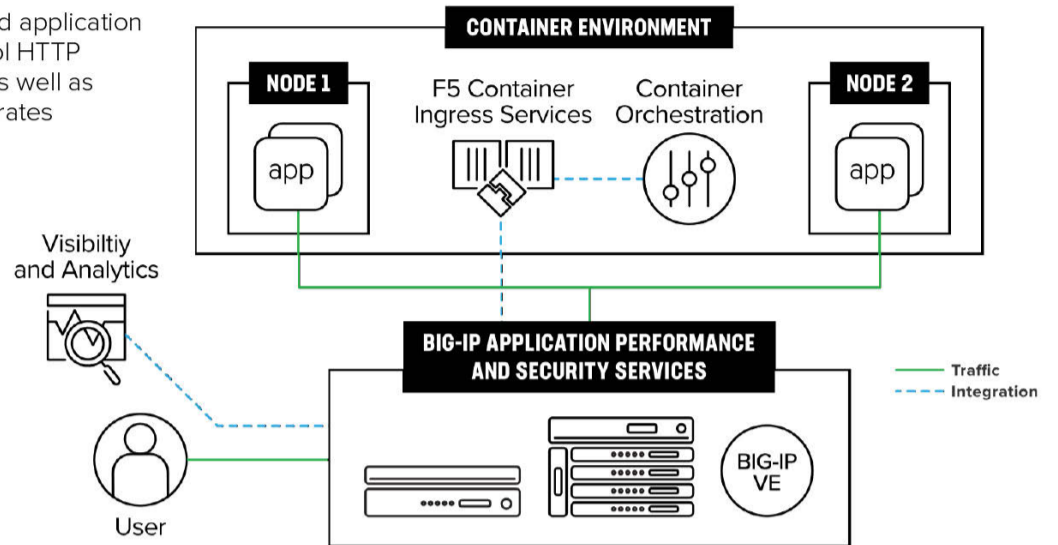
BIG-IP CONTAINER INGRESS SERVICES

Deploy faster with self-service and automated app scale and security

F5 Container Ingress Services makes it easy to deliver advanced application services to your container deployments, enabling ingress control HTTP routing, load balancing, and application delivery performance, as well as robust security services. Container Ingress Services easily integrates BIG-IP solutions with native container environments, such as Kubernetes, and PaaS container orchestration and management systems, such as Red Hat OpenShift.

Key benefits

- Dynamic application services for PaaS and containers
- Self-service selection and automated event discovery
- Scalability and security with app services insertion
- Faster deployment and end-to-end visibility



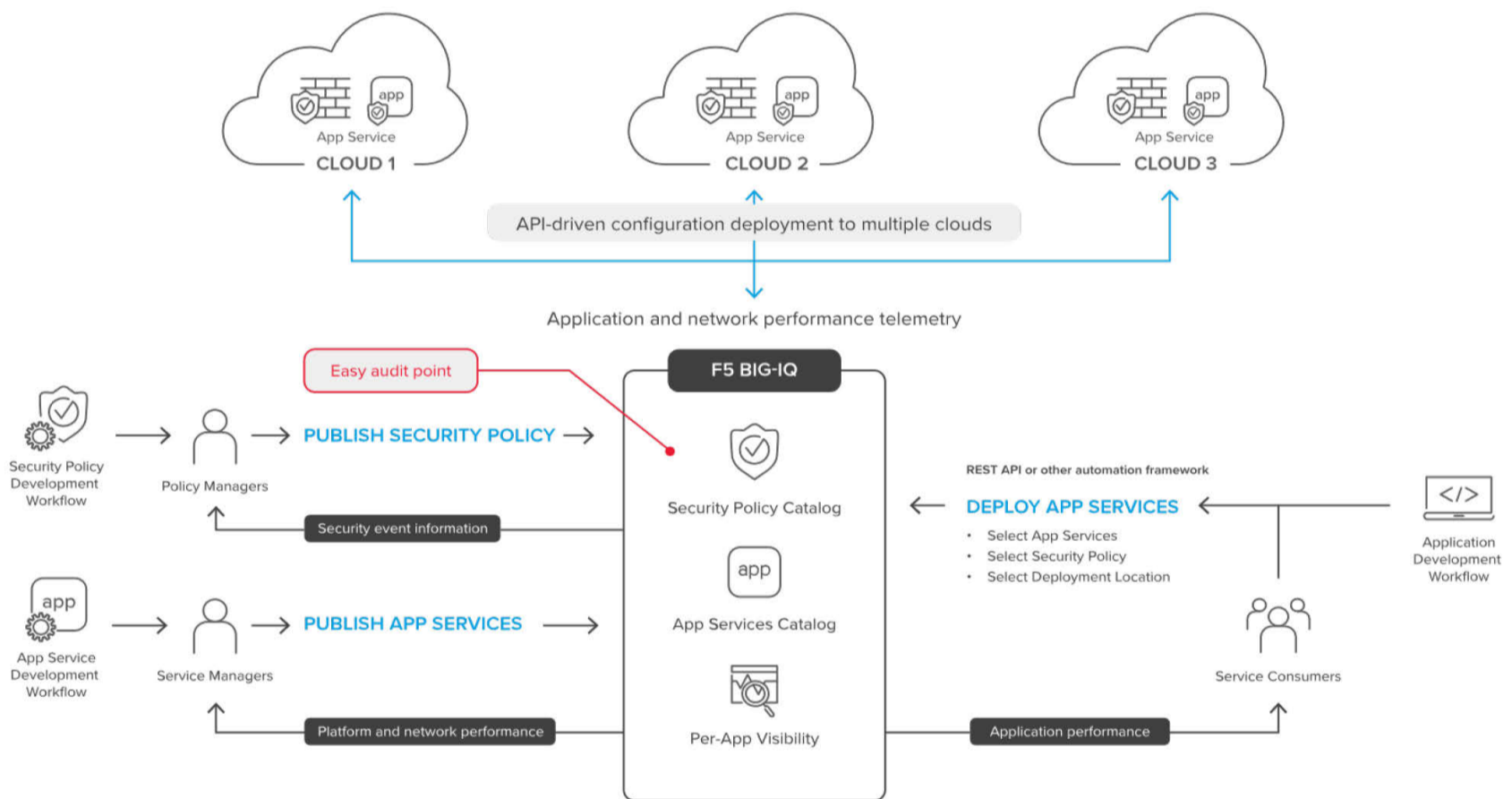
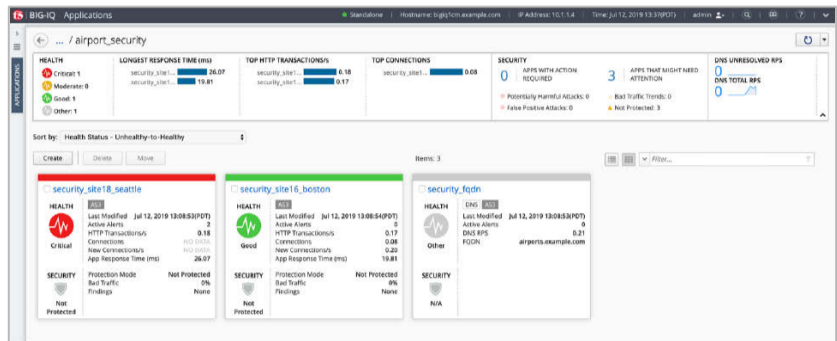
BIG-IQ CENTRALIZED MANAGEMENT

Simplified management in an app-centric world

BIG-IQ Centralized Management provides a unified point of control for your entire F5 portfolio – devices, modules, and licences – helping you deliver optimal application availability, performance, and security. BIG-IQ supports BIG-IP Virtual Editions (VEs), BIG-IP Per-App VEs, BIG-IP iSeries appliances, and VIPRION platforms. BIG-IQ manages policies, licences, SSL certificates, images, and configurations for F5 appliances and modules.

Key benefits

- Spin-up application services across cloud and on-premises environments
- Create new Virtual Editions directly from BIG-IQ
- Holistically manage up to 1200 BIG-IP devices
- Automate and simplify certificate and key management
- Configure and centrally manage encrypted traffic policies
- Fine-tune and deploy threat campaign mitigation for F5 Advanced WAF
- Automate device provisioning with Declarative Onboarding
- Integrate with popular automation platforms and CI/CD pipeline tools



Product options

- BIG-IQ Cloud Edition Centralized Manager
- BIG-IQ Virtual Edition Centralized Manager
- BIG-IQ 7000 Centralized Manager
- BIG-IP SovLabs Integration

NGINX CONTROLLER PLATFORM

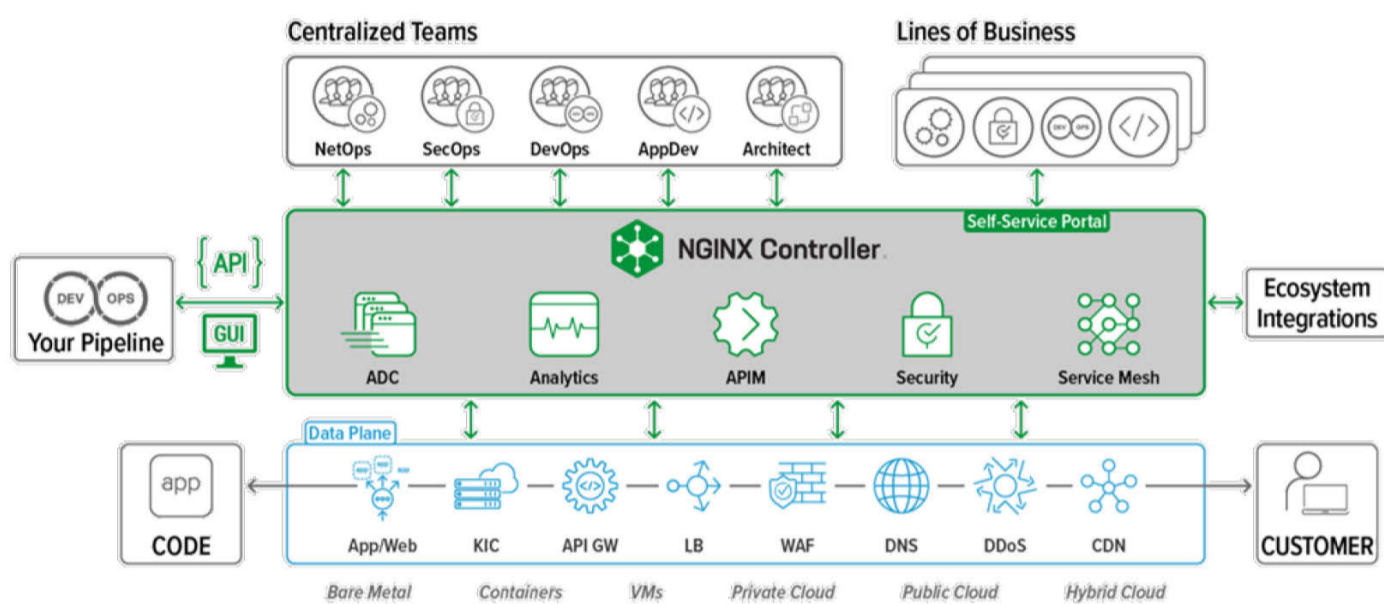
NGINX Controller Application Delivery

DevOps driven, multi cloud application platform for modern app teams

From NetOps to DevOps, modern app teams need a self service, API driven platform that integrates easily into CI/CD workflows to accelerate app deployment – whether your app has a hybrid or microservices architecture – and makes app lifecycle management easier. Built to manage NGINX Plus instances, NGINX Controller is a cloud-native, secure, and high-performance application delivery platform.

Key benefits

- **Simplify code to customer delivery:** Increase your speed to market by eliminating tool sprawl
- **Gain application insights:** Improve your app performance and uptime by leveraging valuable analytics and actionable insights
- **Win loyal customers:** Give your customers something to rave about by accelerating delivery of your digital experiences



Product options

- NGINX Controller Application Delivery
- NGINX Controller Application Security

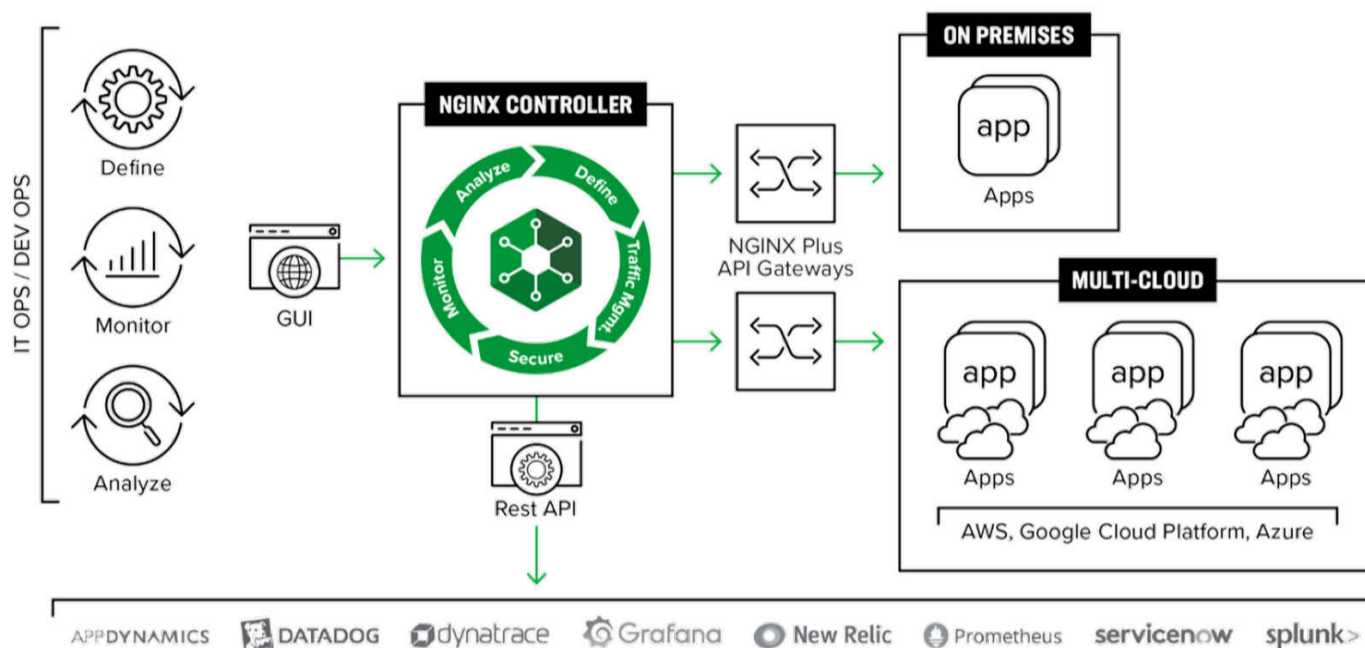
API Management Module for NGINX Controller

Robust API management solution

The API Management Module combines the raw power and efficiency of NGINX Plus as an API gateway with new control plane functionality. NGINX Controller empowers teams to define, publish, secure, monitor, and analyse APIs, while keeping developers in control of API design. Rich monitoring and alerting capabilities help ensure application availability, performance, and reliability.

Key benefits

- **API definition and publication:** Define APIs, manage upstream groups and backend servers, route resources to upstreams, publish configuration files
- **Authentication and authorisation:** Create and manage API keys, authenticate API consumers, share and import keys
- **Rate limiting:** Mitigate DDoS attacks and protect applications, enforce rate limits
- **Visibility:** Troubleshoot faster by gaining deep visibility and critical insights into more than 200 metrics
- **Multi-cloud support:** Deploy on any public or private cloud to manage multiple API gateway instances



Product options

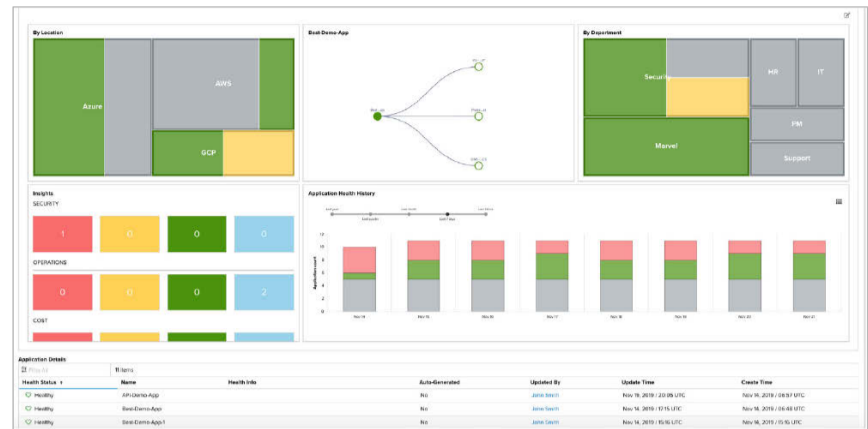
- API Management Module for NGINX Controller

BEACON APPLICATION VISIBILITY AND ANALYTICS

Beacon Cloud Service

Application visibility and analytics

F5 Beacon empowers you to achieve full visibility across your application landscape, obtain app insights and business intelligence, and make fast, impactful, and better-informed decisions. With the Beacon Insight Engine, you can leverage pre-built insights or create your own custom insights. Beacon also integrates with many types of deployment across hybrid and multi-cloud environments – and provides a rich set of app stats in a simple, easy-to-consume SaaS model.



Key benefits

- Achieve full visibility, transparency, and monitoring of your application landscape
- Get simple, powerful, easy-to-consume insights
- Make fast and impactful decisions based on app dashboards and analytics
- Integrate across your ecosystem for actionable intelligence on your business capabilities

Product options

- Beacon Cloud Service

GLOBAL SERVICES

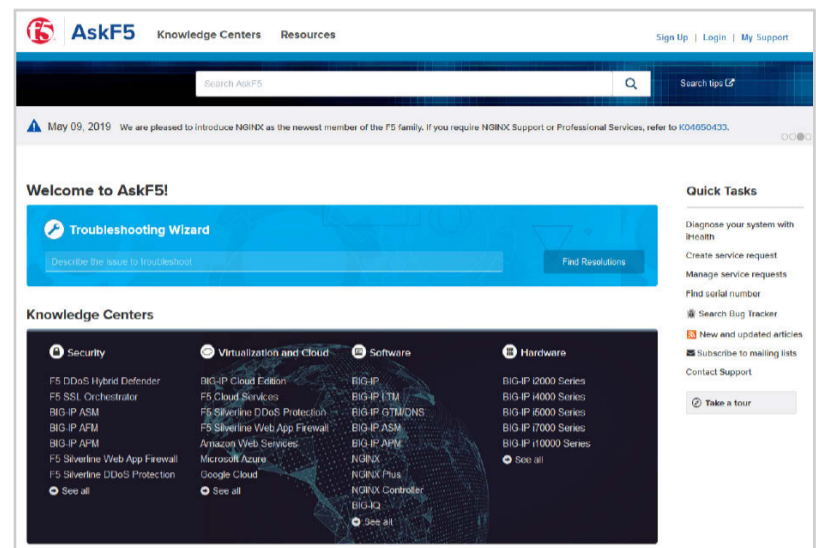
From downloads to training to community discussions

F5 Global Services offers world-class support, training, and consulting to help you get the most from your F5 investment. Whether it's providing fast answers to questions, training internal teams, or handling entire implementations from design to deployment, F5 Global Services can help ensure your applications are always secure, fast, and reliable.

SUPPORT SERVICES

Global reach, local touch

F5 Network Support Centers are strategically located for partners and customers and regionally located support centers enable F5 to provide support in a number of languages through native-speaking support engineers. Support options include business day response centers, premium around-the-clock access, or a dedicated support team assigned to your account. The AskF5 Knowledge Base houses product guides, release notes, solutions to known issues, how-to and hotfix information, downloads, and more.



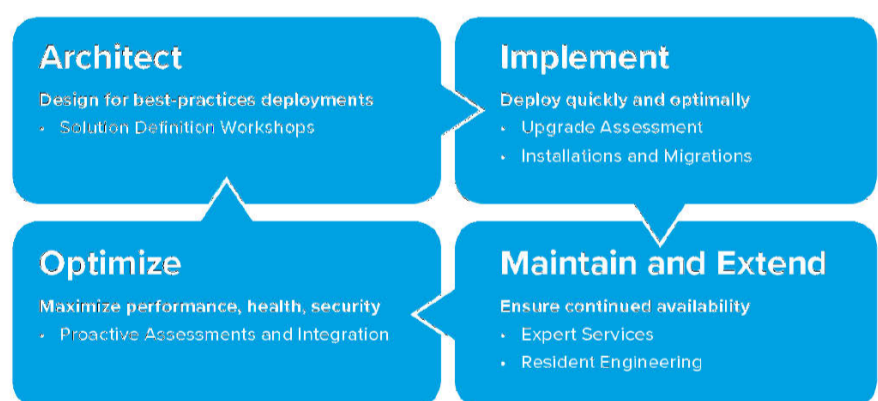
Support services options

- Support Services for Application Services Products
- Support Services for Management Products
- Support Services for Service Provider Products
- Support Services for NGINX Products
- Service and Support Fees

PROFESSIONAL SERVICES

The services you need, when and how you need them

F5 Professional Services provides a full range of consulting services to support you throughout the entire lifecycle of your F5 solution deployment. Our experts can help you architect, implement, maintain, and optimise your solutions to support current and future business initiatives.



Professional services options

- Implementation Services
- Consulting Services Packages
- Consulting Services for NGINX Products
- Consulting Services per Hour and per Day
- Additional Consulting Services

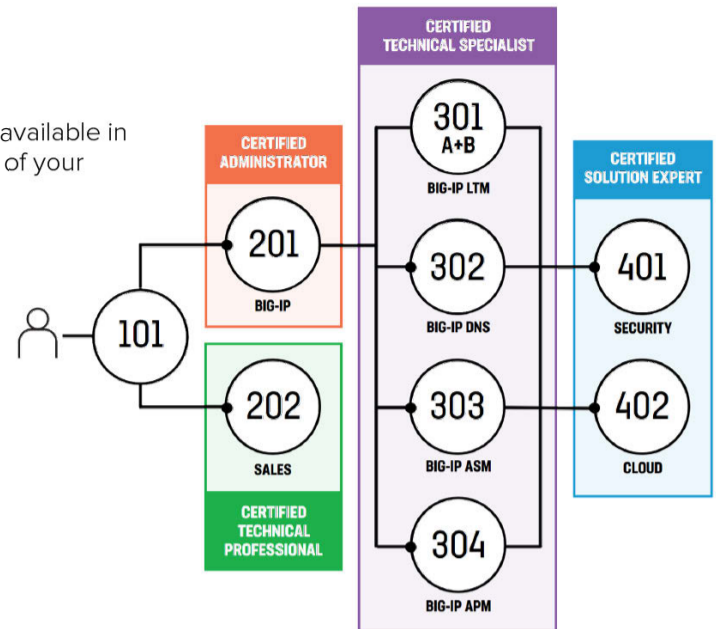
TRAINING SERVICES

Training programs and education

F5 training helps you leverage F5 solutions to ensure your applications are secure, fast, and available in the data center and in the cloud. We offer a variety of programs to help you get the most out of your configurations. Instructor-led classes, subscription learning modules, and online, self-paced learning programs are available to customers throughout our global regions.



F5 Certified exams are developed to deliver consistently reproducible results that guarantee excellence in those who achieve certification. F5 Certification is a differentiator for you in your career and it's a competitive advantage for your employer.



Training services options

- BIG-IP Training Services
- NGINX Training Services

General disclaimer:

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