

## Citrix Web App and API Protection Service

The need for a business to secure its applications has never been more essential. Cyber attacks are on the increase and threats are becoming more sophisticated. Attacks are moving up the stack to exploit application vulnerabilities. NIST reported that 92% of reported vulnerabilities are in the application and not the network.

### Key Functionality

- Application security delivered as a cloud service from Citrix
- Web application firewall: Protect against the OWASP top 10
- DDoS mitigation: Prevent denial-of-service attacks that take down your applications and infrastructure
- Protect any type of application and API: Monolithic and microservices-based apps
- Fast, easy deployment: Minimal skill set required
- Scale in minutes
- Simple, predictable billing

Increasingly, however, applications are becoming more complex. Modern application architectures speed up innovation but are more fragmented and accompanied by more distributed deployment models across multi-cloud environments that make them more difficult to secure.

What is required is a solution that offers comprehensive application protection against the common attacks seen today as well as those that are, as yet, unknown. The solution must protect all the time from threats that put undue strain on your infrastructure, or worse, take your applications offline or allow them to be exploited for fraudulent purposes. Any application security solution must protect all your applications from threats, be customizable to meet your application specific needs and adapt to your deployment models.

### Citrix Web App and API Protection (CWAAP) Service

Citrix Web App and API Protection (CWAAP) service is a cloud-delivered security solution that provides comprehensive security to all your applications regardless of their architecture (monolithic and microservices based) or where they are deployed in multi-cloud. It offers protection against application layer attacks with an integrated web application firewall (WAF), volumetric distributed Denial of Service (DDoS) protection and bot management<sup>1</sup>. It's simple to set up and scales with your application requirements to help you achieve a consistent security posture for your applications by maintaining compliance and governance across multi-cloud environments.

There are five key benefits.

- Holistic, proven and layered protection
- Protect any application, anywhere
- Enable protection fast and scale protection quickly and easily
- Simple and predictable consumption model
- Multi-cloud compliance and governance

1. Bot management is planned as a future add-on.

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## Holistic, Proven and Layered Protection

The Citrix Web App and API Protection solution provides holistic, proven and layered protection for all your applications. Citrix has decades of experience, protecting its customers' apps with Citrix WAF with many thousands of on-premises deployments. The solution layers bot mitigation and volumetric DDoS protection with the proven WAF solution to offer comprehensive protection against modern cyber threats. This rich application security protection is now extended to a cloud delivery model, enabling you to protect your applications more flexibly.

- **Web application firewall:** Protect your applications from all of the attack types highlighted as the most critical security risks by OWASP (OWASP top 10 including SQL injection and cross-site scripting attacks). The WAF uses extensive signatures to secure your applications from known attacks quickly and incorporates a learning mode to defend against zero-day attacks. All of this helps to reduce your application exposure and maintain compliance with your corporate and regulatory standards, including PCI DSS and HIPAA.
- **Bot management:** Set up simple blacklist/whitelists of IP addresses to filter known bots quickly and reduce strain on your infrastructure. Use signatures, device fingerprinting and behavioral analysis to detect more sophisticated bots. Block, redirect, challenge or rate limit bot traffic to your site to defend against many types of automated threats
- **Volumetric DDoS protection:** Citrix DDoS mitigation is always-on protection and defends your applications against volumetric DDoS attacks as well as more intelligent L7 DDoS attacks common today. Because the DDoS service is always on, your origin servers are continuously protected. All your traffic is scrubbed by the Citrix service before it reaches your application so that only clean traffic is passed to your origin servers.

The Citrix DDoS solution features one of the world's largest scrubbing networks of 12 Tbps capacity and growing. This can protect your applications from some of the largest DDoS attacks, ensure that you maintain your online presence and keep your applications up, running and always available.

## Protect Any Application, Anywhere

The Citrix Web App and API Protection service protects all your application types, regardless of architecture (monoliths and microservices-based) or where it is deployed (on-premises, private cloud, and public clouds).

Citrix Web App and API Protection service allows you to deploy your apps wherever you want across your multi-cloud environments with a consistent security posture. The cloud-based nature and geographical distribution of the solution with 14 points of presence (PoPs) across the globe make it easy to keep applications secure as you migrate them from on-premises to cloud or between public clouds as your requirements change. With protection for all types of application architectures, Citrix Web Application and API Protection service enables you to maintain security as you transition your application architecture from monoliths to microservices.

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## Enable Protection Fast and Scale Quickly and Easily

Citrix Web App and API Protection service enables you to secure your applications fast without added infrastructure and operational complexity. This helps you roll out applications faster and speeds up innovation. Simple operations let you change your security as your application security requirements change. Other benefits include:

- **Faster and easy deployment:** Protect your applications quickly with simple intuitive onboarding of applications and consistent security posture.
- **Minimal skill set required:** Simple point-and-click dashboards make configuring rules and policies easy.
- **Delivered from the cloud:** No installation and management means no operational overhead. The latest protections are always available without the need for software updates. Everything is handled by Citrix, including automatic software updates and automatic threat intelligence updates.
- **Easy to scale:** Upgrade capacity in minutes with simple license upgrades without the complexity of upgrading your infrastructure.
- **Fully managed option:** Customize rules yourself or opt for a fully managed service.<sup>2</sup>

Citrix Web App and API Protection service is also suited for businesses that already have Citrix ADC deployed on premises but want the benefits of Citrix WAF technology and don't want to deploy and manage it on premises.

## Simple and Predictable Consumption Model

Knowing what you're spending lets you budget appropriately. The simple consumption-based model of Citrix Web App and API Protection service keeps you on top of your costs.

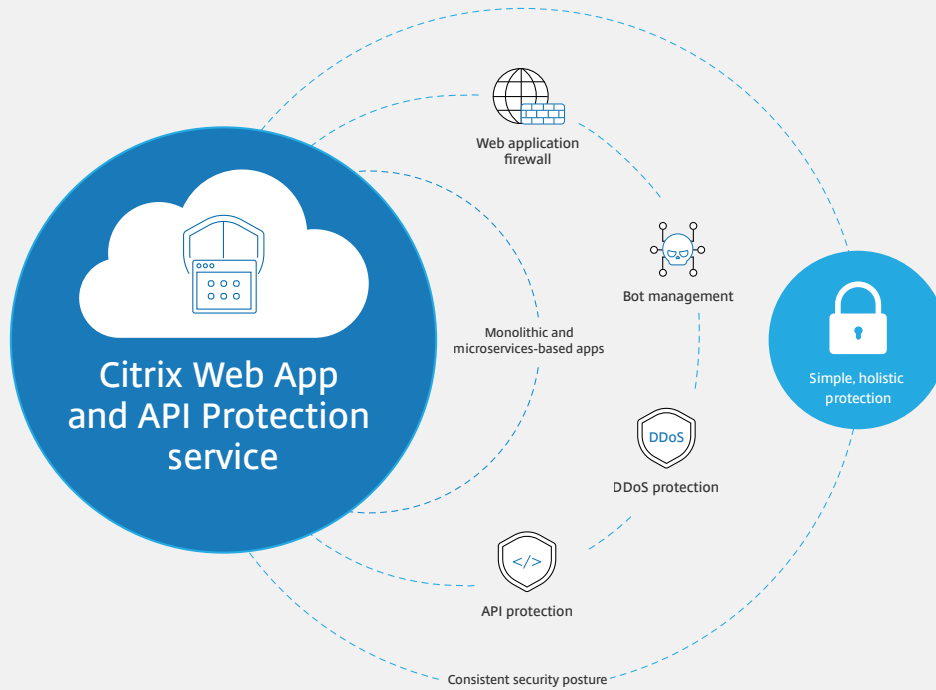
- **Pay for the protection you need:** Simple billing metrics keep the service charges simple.
  - Choose the protection you need: WAF or DDoS
  - Select the throughput required: Choose from 25 Mbps to 2 Gbps in granular steps
- **Predictable bill:** There are no multiple, complex billing meters unlike with public cloud providers.
- **No CAPEX required:** Shift from CapEx to OpEx with annual contract options.

## Multi-Cloud Compliance and Governance

Citrix Web App and API Protection service is designed to help you maintain compliance across your multi-cloud environment regardless of your application types and where you deploy them.

<sup>2</sup>. The fully managed option is planned as a future add-on.

Figure 1: Citrix Web Application and API Protection service



With the Citrix solution you can be compliant and meet governance always with:

- Consistent security posture across multi-cloud and apps
- Reduced security configuration errors through intuitive dashboards
- A single pane of glass for visibility and governance

Protect your any application in multi cloud environments with holistic and layered security, speed, ease of deployment, easy upgrades and compliance and governance with Citrix Web App and API Protection service.



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