citrix™

How to protect your apps and APIs across multi-cloud environments
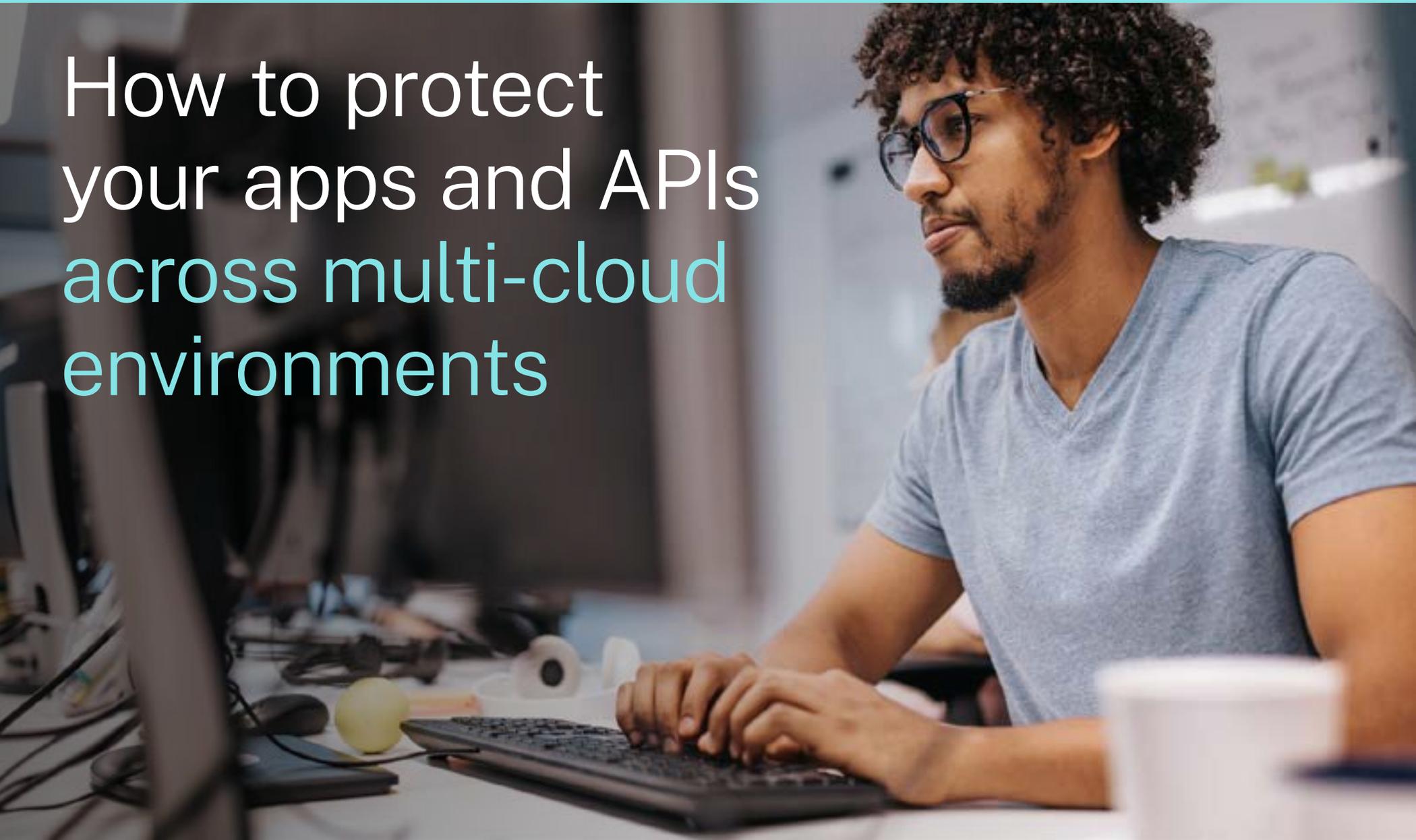
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Introduction

In this digital age, your applications and APIs are your organization's most valuable assets. They're also among your most vulnerable. As modern application architectures have evolved to enable faster application development and delivery, they have become increasingly complex. And that complexity often results in a fragmented security posture that puts your applications and APIs at risk.

With cyber attacks on the rise, the adoption of microservices-based applications and multi-cloud environments that typify modern application architectures is prompting organizations to rethink their approach to security. Threats are becoming more sophisticated, and bad actors are moving up the stack to exploit application and API vulnerabilities. From SQL injection and cross-site scripting to volumetric DDoS attacks and malicious bots and more, your applications and APIs are vulnerable to a wide range of threats.

The most comprehensive security strategy is one that takes a layered approach to protecting your applications and APIs as well as your network. The application security solution you choose must provide always-on protection from both known and unknown threats that overload your infrastructure or take your applications down or exploit them for fraudulent purposes. The solution must be customizable to meet your application-specific needs and adaptable to your deployment model.

Read on to learn how Citrix Web App and API Protection™ provides comprehensive security for your monolithic and microservices-based applications and APIs across multi-cloud.
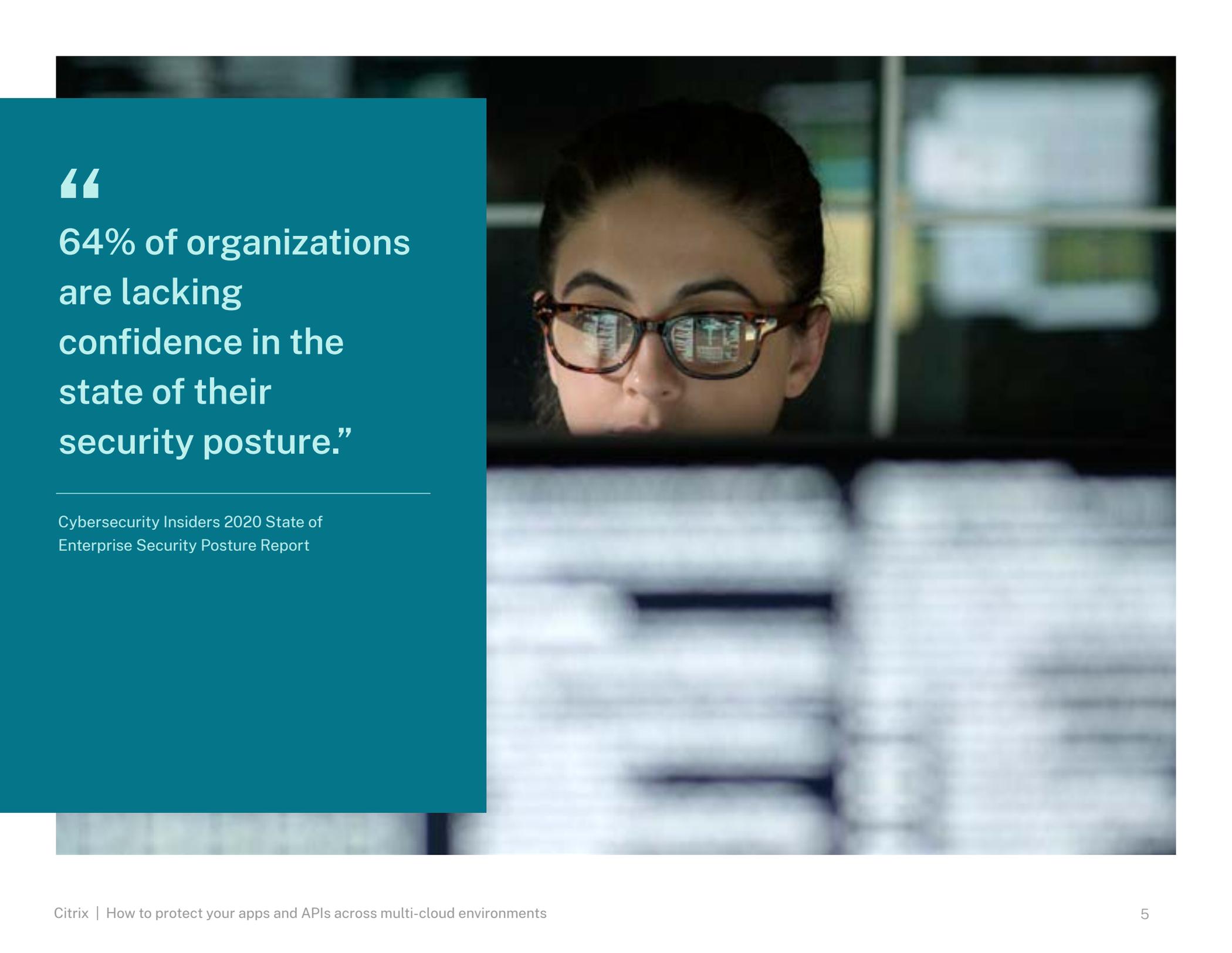
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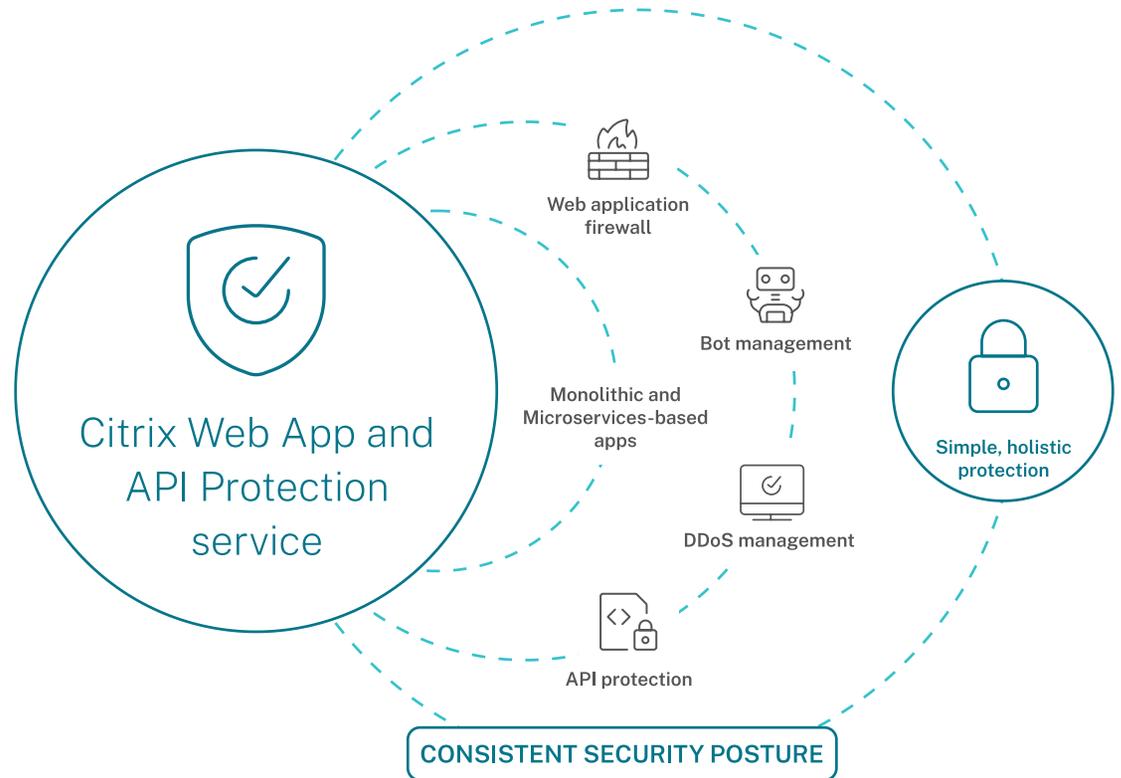> **64% of organizations are lacking confidence in the state of their security posture."**

Cybersecurity Insiders 2020 State of
Enterprise Security Posture Report

A cloud-based service that keeps your apps and APIs secure

Citrix Web App and API Protection is a cloud-delivered SaaS security solution that provides comprehensive security for your monolithic and microservices-based applications and APIs across multi-cloud. You can secure your applications quickly across both on-premises and public cloud without added infrastructure and operational complexity.

With the integration of a web application firewall, bot management, and always-on volumetric DDoS protection, Citrix can help you secure your applications and APIs across your entire multi-cloud environment, while also enabling you to enforce governance and compliance for any application, anywhere.

And with a cloud-based service, there's no operational overhead or security updates to manage. So you always get the latest protection.

Citrix Web App and API Protection service

Web application firewall

Bot management

Monolithic and Microservices-based apps

DDoS management

API protection

Simple, holistic protection

CONSISTENT SECURITY POSTURE

Holistic, proven, and layered protection

Citrix Web App and API Protection is an easy-to-use, cloud-based service that offers holistic, proven, and layered protection against known and zero-day application attacks.
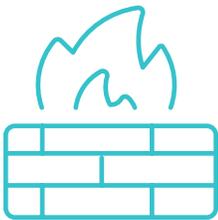
Full-featured web application firewall (WAF)

Citrix Web App and API Protection service includes zero-trust models so that you can define more application-specific security to safeguard against known and zero-day attacks — including the OWASP Top Ten most critical security risks such as SQL injection and cross-site scripting attacks.

Volumetric DDoS service

The Citrix DDoS mitigation solution features one of the world's largest scrubbing networks with 12 Tbps capacity, ensuring application protection against large-scale DDoS attacks. Because it is always on, your origin servers are continuously protected, helping you maintain your online presence without interruption.

And while Citrix Web App and API protection service meets the demands for holistic, layered protection and a consistent security posture in new deployments, it also helps businesses that already have Citrix Application Delivery Controller™ but want the benefits of Citrix Web App Firewall technology without having to deploy and manage it on-premises.

Protection that's scalable and easy to deploy

Citrix Web App and API Protection adds ease and simplicity to a complex security landscape with features and benefits that align with the way you do business.
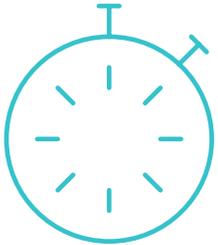
Minutes to deploy, modify or scale

Configure rules and policies and adjust them as application security requirements change. You can also increase capacity in minutes with simple license upgrades — without overhauling your infrastructure.

Intuitive dashboards

Point-and-click dashboards help reduce security configuration errors and simplify visibility and governance across customer environments. You can maintain multi-cloud compliance for any application, anywhere — all from a single pane of glass.

Automated updates from the cloud

You don't have to manually apply updates and patches. Because Citrix Web App and API Protection is cloud-based, you are always assured the latest generally available protections.
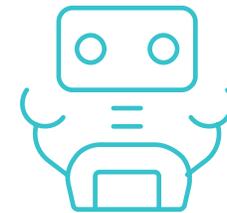
Bot management*

Citrix Web App and API Protection service protects against bot traffic by enabling you to quickly set up simple permit and deny lists of IP addresses. To detect more sophisticated bots, the service provides real-time threat mitigations using static signature-based defense, device fingerprinting, and behavioral analysis. You can block, redirect, challenge, or rate limit bot traffic to your site to defend against many types of automated threats.

*Planned as a future add-on

Simple and predictable subscription model

Citrix Web App and API Protection service eliminates the need for a large capital investment in security. You tailor your service and pay only for the capacity you need, from 25 Mbps to 2+ Gbps. This predictable subscription billing model enables you to plan, monitor, and manage costs with accuracy, while meeting future security demands.

Protect any application in any cloud with Citrix Web App and API Protection service

With the increase in cyber attacks, protecting your applications and APIs has never been more essential. The right solution should provide comprehensive protection across multi-cloud, be simple to deploy, and scale quickly.

Citrix Web App and API Protection is simple to deploy and easy to configure across multi-cloud environments — all from a single pane of glass. Protect any application, anywhere, with a holistic security approach that combines bot mitigation and volumetric DDoS protection with the proven Citrix web application firewall solution.

Learn more about Citrix Web App and API Protection.

Visit Citrix.com/waap

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