



Comprehensive Security for Cloud-Native Apps

Detect and Stop Vulnerabilities and Threats Across All Your Cloud Workloads

The benefits of running modern applications can be huge, including faster time to value, greater business agility, and improved operational efficiency. But to fulfill this potential, you need to address the specific security requirements of apps and APIs built to run in the cloud.

The shift to cloud-native apps means an increased threat surface that security teams have to account for as both the apps themselves and the cloud-native infrastructure that they run on can be vulnerable. The reality is that cloud-native apps and APIs are only as secure as the infrastructure they run on.

F5® Distributed Cloud App Infrastructure Protection (AIP), formerly known as Threat Stack, helps enterprises overcome the increased threat surface and secure their modern applications by combining advanced web application and API protection (WAAP) with application infrastructure protection. F5's Distributed Cloud AIP provides comprehensive coverage across the modern environment.

"77% of organizations focused on accelerating their digital transformation efforts are investing in modernizing applications, an increase of 133% over the previous year."

F5 State of the Application Strategy Report

Applications are Vulnerable from All Sides

Cloud-native apps are delivered as microservices in containers, enabling rapid delivery of new features through the continuous development /continuous integration (CD/CI) pipeline, or run in virtualized compute and storage environments. These apps deliver greater operational efficiency, but the increased threat surface for attacks creates more toil for investigating and remediating threats.

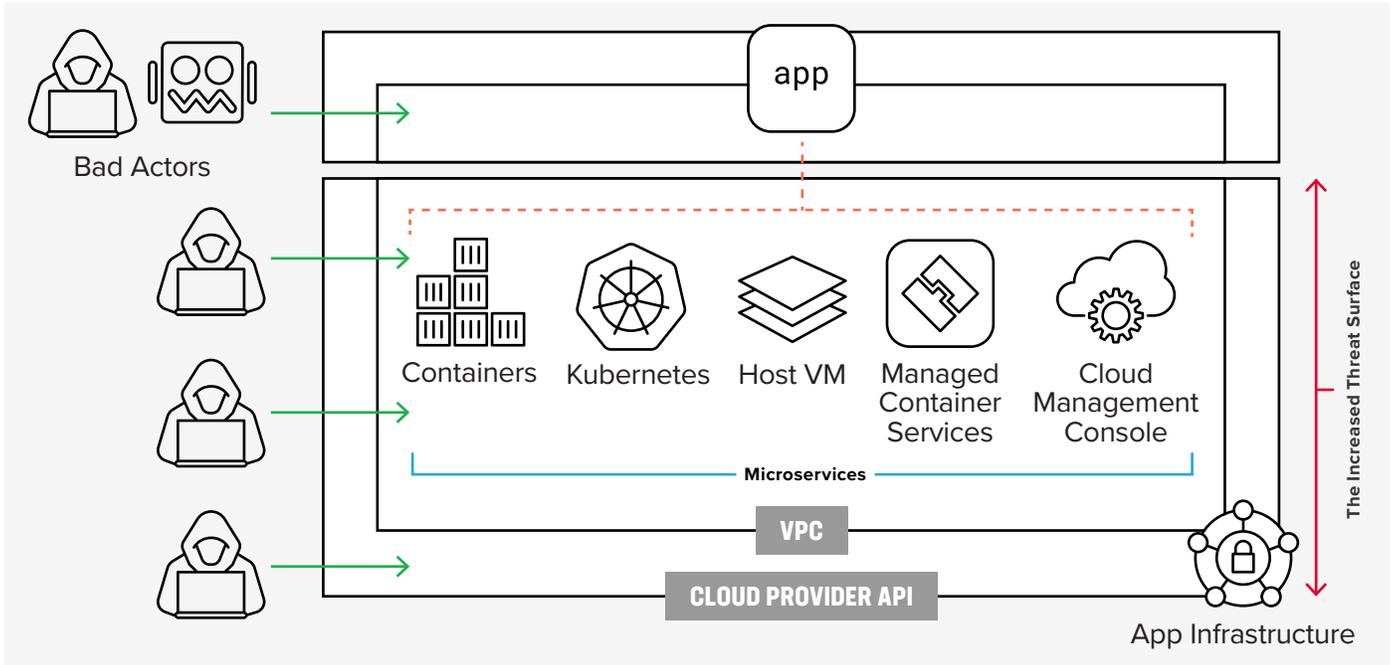
App/API + Infrastructure Protection

Apps/APIs

Applications and APIs are susceptible to layer seven attacks, zero-day attacks, and OWASP Top 10 that can exploit vulnerabilities in code, software, or business logic.

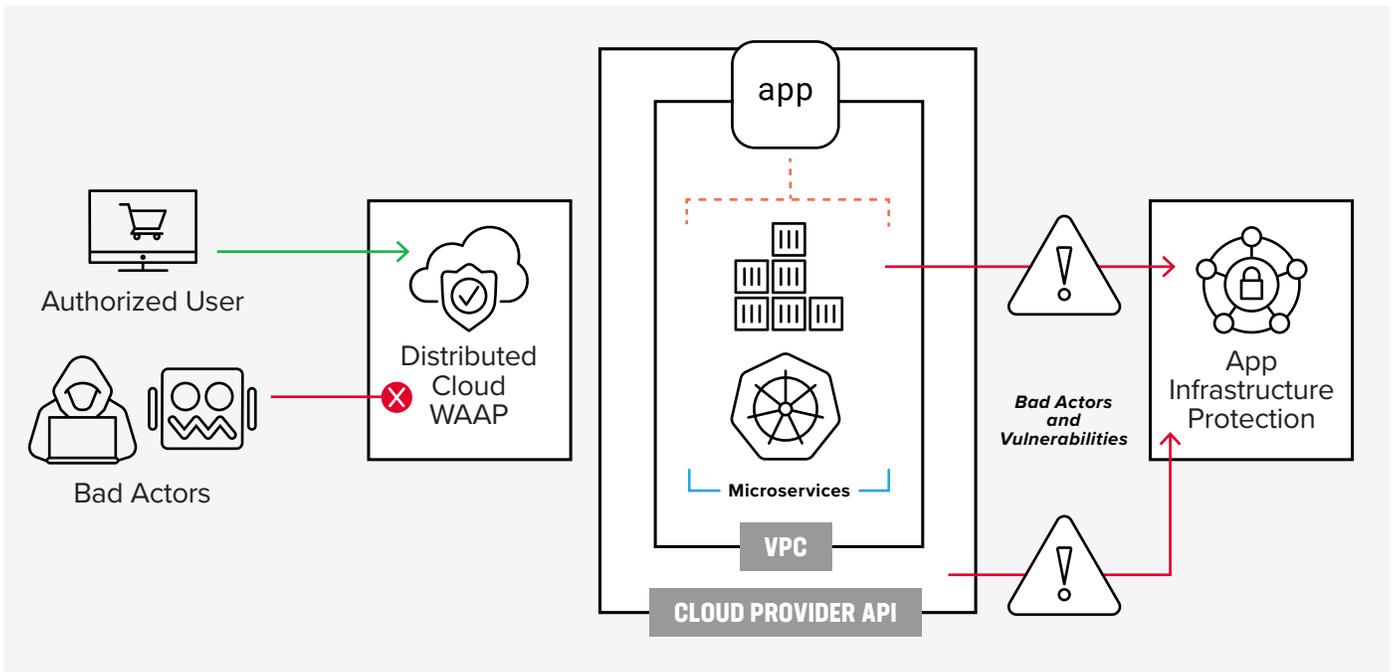
Cloud-Native Infrastructure

Cloud infrastructure, such as containers, including Kubernetes; orchestration tools; virtual machines; and cloud-provider APIs; can be misconfigured and vulnerable to data exfiltration, container logins, cryptomining, and credential theft from bad actors.



Security for Both Apps and Infrastructure with Distributed Cloud App Infrastructure Protection

To secure modern applications, you need to take a comprehensive view of security that covers all dimensions of your cloud environment—from applications at runtime to the supporting cloud infrastructure. Distributed Cloud AIP provides both for a common view of threats to the environment:



F5 Distributed Cloud Web App and API Protection (WAAP)

- Delivers robust and effective application and API protection on a broad scale
- Comprised of Web Application Firewall (WAF), API Protection, Bot Defense, and DDoS Protection

Distributed Cloud AIP

- High-efficacy threat detection that combines rules and ML-based anomaly detection across all cloud workloads
- Identifies and alerts on insider threats, external threats, and data loss risk

Comprehensive Security from Customer to Code

Additional features of leveraging F5's Distributed Cloud WAAP and AIP together as part of your security strategy include:

- **High-Efficacy Detection:** Real-time threat detection across billions of data points collected daily, with context and workflow to speed remediation when combined with the F5 Distributed Cloud WAAP.
- **Speed of Deployment:** Made for ephemeral environments, automating telemetry collection without disrupting application delivery and the pace of innovation.
- **Increased Visibility:** Telemetry collection and analysis from cloud workloads wherever they are deployed: on-prem, hybrid, public cloud providers. Delivers a unified view for threat detection.
- **Remediation Integration:** Distributed Cloud AIP provides robust integrations to customer SIEM or SOAR platforms to support remediation efforts.

See Why F5's Distributed Cloud WAAP and AIP are Better Together

Whatever point you've reached in your cloud journey, we have the experience and proven expertise to keep your cloud workloads secure.

Threat Stack: Now Part of F5

Threat Stack is now F5 Distributed Cloud App Infrastructure Protection (AIP). If you'd like to learn more about this solution, the company's Security Operations Center (including Distributed Cloud AIP Managed Security Services and Distributed Cloud AIP Insights), and more, feel free to contact our cloud security and compliance experts.

Let our experts take your cloud security worries off your shoulders, so you can get down to business. To learn more or to schedule a demo, [visit our website](#) today.

