

In the rapidly evolving digital landscape, API security is paramount for organizations seeking to protect their critical infrastructure and data from sophisticated threats. Trace3, in partnership with F5, is proud to introduce a cutting-edge API security solution deployed on AWS. Leveraging F5's Distributed Cloud Services, this solution offers unparalleled protection for APIs by combining advanced data analytics, AI, and machine learning capabilities.



### Solution Features

#### Comprehensive API Protection

Utilizes F5 Distributed Cloud API Security to block attacks, eliminate vulnerabilities, and prevent sensitive data leakage through APIs. It pairs automatic global API discovery with OpenAPI spec import, offering in-line enforcement capabilities that include WAF, layer 7 DoS, rate limiting, IP reputation, and more for API endpoints.

#### Enhanced API Management and Visibility

Provides organizations with the ability to automatically discover, monitor, and secure APIs, reducing manual documentation efforts. It significantly improves visibility over all API endpoints, mapping them to applications and monitoring for malicious activity and shadow APIs.

#### Strengthened API Access and Authentication

Augments API gateway functionality, delivering enhanced oversight and control over API authentication and access. This feature helps identify gaps in API authentication, control access, and prevent unauthorized exploitation.

#### Robust API Security Controls

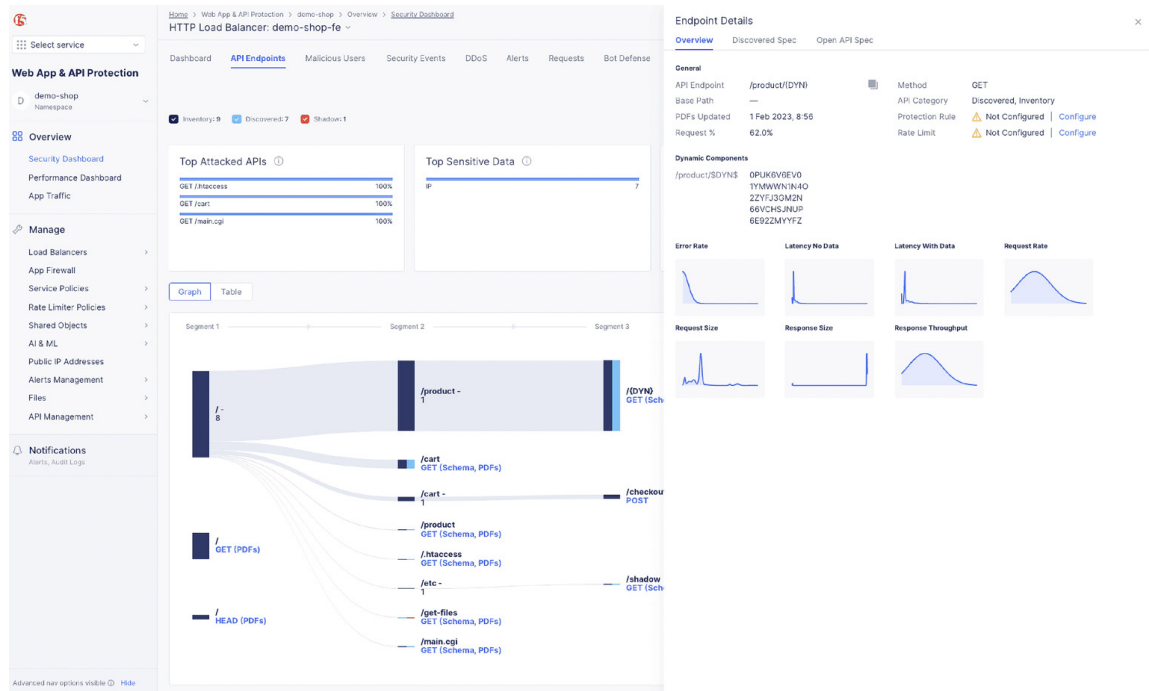
Offers advanced machine learning functionalities that continuously monitor API endpoints, allowing organizations to baseline API behavior, validate authentication status, and streamline identification of communication patterns and anomalies.

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### ESTIMATED TIMELINE: STARTING AT 3 - 12 WEEKS



## DELIVERABLES



- ✓ API Security Integration Workshop: Development of a tailored design integrating F5 Distributed Cloud Services with AWS for API security, serving as a playbook for AWS platform implementation.
- ✓ Detailed Project Execution Plan: A comprehensive backlog of tasks to ensure a streamlined deployment process.
- ✓ Custom AWS Account Structure: Establishing a secure baseline across AWS accounts using F5 Distributed Cloud Services for enhanced security.
- ✓ Networking and Storage Configuration: Configuration of VPCs, subnets, security groups, and storage services tailored to the needs of API security.
- ✓ Comprehensive Documentation: Detailed deployment documentation, including integration specifics of F5 Distributed Cloud Services.

This solution ensures a secure, scalable AWS environment, leveraging the strength of F5 Distributed Cloud Services for unmatched security and performance. It represents a holistic approach to safeguarding APIs, significantly enhancing the security and network optimization capabilities of F5 Distributed Cloud Services. Designed to meet the specific business needs and objectives of enterprises, this solution is a testament to the collaborative expertise of Trace3 and F5, ensuring clients benefit from a secure, scalable, and efficient cloud infrastructure.

Our certified architects and engineers, partnered with your organization's teams, will utilize our proven methodology and deep cloud architecture experience to deliver a cloud foundation designed to adapt with your business methodology to deliver a successful project outcome. Visit [Trace3.com](https://Trace3.com) for more information.