SOLUTION BRIEF

AXIOMATICS | CROWDSTRIKE

Integration for **Risk-Based Authorization**

Axiomatics and CrowdStrike: Integration for Risk-Based Authorization

Analyzing risk in real-time and enacting a dynamic response is the cornerstone of a Zero Trust strategy. As organizations adopt Zero Trust, the importance of access control policies that continuously evaluate risk become critical to an effective strategy. One of the most important areas to consider risk is during an authorization decision where humans or machines are granted access to your most sensitive information.

To ensure your Zero Trust strategy encompasses the necessary risks to effectively enact dynamic protection across your organization, Axiomatics has integrated with the CrowdStrike Falcon platform to deliver risk-based access control for enterprise authorization. Organizations leveraging the Falcon platform benefit from enriched security telemetry across endpoints, workloads and identities, powered by the CrowdStrike Security Cloud and advanced artificial intelligence (AI), to gain visibility over activity across their environments to then enforce risk-based access decisions. When integrated with Axiomatics' dynamic authorization solution that leverages the granularity of attribute-based access control (ABAC), organizations can connect a risk score derived from CrowdStrike and its Falcon Zero Trust Assessment (ZTA) to a real-time authorization decision across the entire application stack including microservices, APIs and API gateways.

Analyze authorization risk in real-time

- Leverage a risk score derived from the Falcon Zero Trust threat assessment as part of an Axiomatics authorization decision for enhanced risk context and accuracy
- Connect risk to an ABAC policy that considers contextual attributes including user, device, location, and role

Harmonize your security and identity investments

- Employ continuous verification of access based on dynamic attributes pulled from a variety of CrowdStrike security signals
- Enable development teams to build risk-based authorization policies that automatically consider context from across the identity and security ecosystem

Accelerate your Zero Trust strategy

- Reduce the complexity of Zero Trust policies by focusing on the quality of attributes (such as risk) versus the quantity
- Connect signals from across the Zero Trust ecosystem, including identity, endpoints and workloads

Real-time Risk Profile + Runtime Authorization Enhances Security

The ability to consider permissions and entitlements based on risk is a critical element of Zero Trust and must extend to both the organization's most sensitive applications and data. The partnership between Axiomatics and Immuta provides organizations with a multi-layered, ABAC model for modern application development and big data architectures. This enables you to modernize your access control strategy, adopt real-time decisions for access requests, and provides a consistent approach to access control.

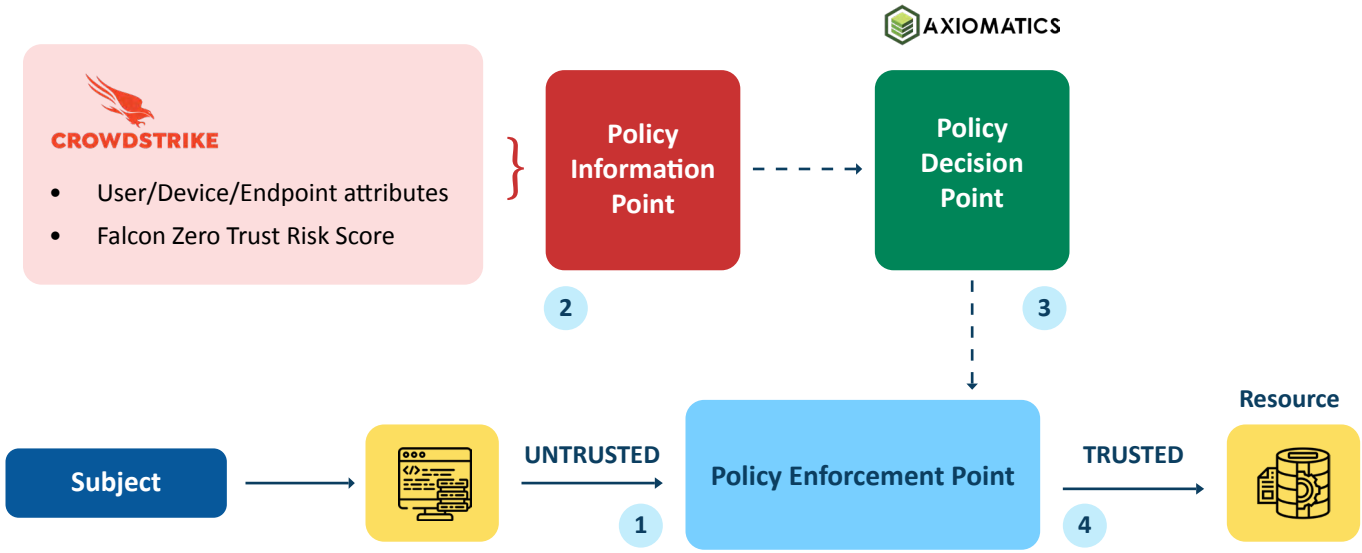

Figure A: Process of how the integration enhances security

1. User initiates the access to the resource (application, microservice, etc.).
2. The Axiomatics policy decision point (PDP) pulls user information from CrowdStrike to obtain real-time risk score.
3. Axiomatics reviews the information provided and compares against policy to make a decision (Policy Decision Point).
4. Decision is sent to the policy enforcement point (PEP - an application, microservice, API gateway, etc.) and the user is either granted or denied access.

Deep Experience Fuels a Modern Approach to Risk-Based Access Control

In combining the granularity of an ABAC solution that can read the real-time risk intelligence from the Falcon platform, organizations can accelerate their Zero Trust strategy and achieve end-to-end protection. The ability to employ continuous access verification based on dynamic attributes ultimately strengthens your security and compliance controls for both static and dynamic access requests.

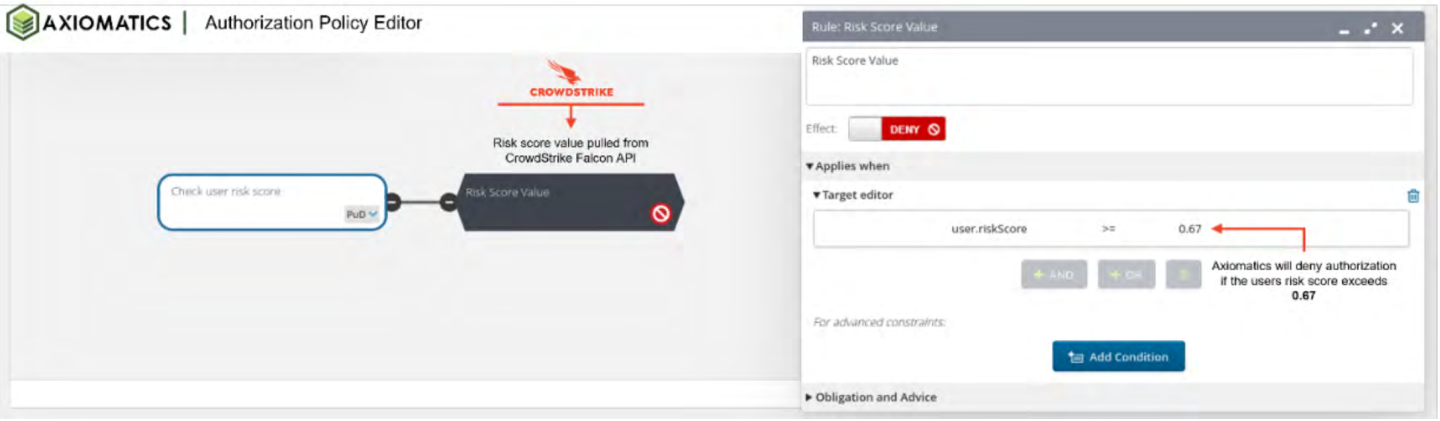

Figure B: Axiomatics pulls attributes from the Crowdstrike Falcon API to build a risk-based dynamic policy

About AXIOMATICS

Axiomatics is the originator and leading provider of runtime, fine-grained authorization delivered with attribute-based access control (ABAC) for applications, data, APIs and microservices. The company's Orchestrated Authorization strategy enables enterprises to effectively and efficiently connect Axiomatics' award-winning authorization platform to critical security implementations, such as Zero Trust or identity-first security. The world's largest enterprises and government agencies continually depend on Axiomatics' award-winning authorization platform to share sensitive, valuable and regulated digital assets – but only to authorized users and in the right context.

To learn more, please visit our **website** or follow us on **LinkedIn, Twitter,** and **YouTube**. To request a demo, **contact us.**

About CROWDSTRIKE

CrowdStrike, a global cybersecurity leader, has redefined modern security with the world's most advanced cloud-native platform for protecting critical areas of enterprise risk — endpoints and cloud workloads, identity, and data.

Powered by the CrowdStrike Security Cloud and world-class AI, the CrowdStrike Falcon® platform leverages real-time indicators of attack, threat intelligence, evolving adversary tradecraft and enriched telemetry from across the enterprise to deliver hyper-accurate detections, automated protection and remediation, elite threat hunting and prioritized observability of vulnerabilities.

Purpose-built in the cloud with a single lightweight-agent architecture, the Falcon platform delivers rapid and scalable deployment, superior protection and performance, reduced complexity and immediate time-to-value.