

# TrueFort® Platform: Defense Against Zero-Day Attacks

Zero-day attacks continue to pose significant threats to organizations worldwide. Striking at the heart of previously unidentified vulnerabilities in software or hardware, these attacks often remain invisible until exploited. Organizations with no known direct defense or existing patch remain oblivious and vulnerable to the looming risk. Despite the inherent challenges in detection and mitigation, one solution emerges as an effective defense: the TrueFort® Platform.

## Unveiling the Unknown: Zero-Day Attack Protection

Unlike most cybersecurity platforms that struggle against the unknown, the TrueFort® Platform is designed to effectively identify and counteract zero-day exploits. Its capabilities span multiple domains:

- ▶ **Superior Visibility**  
The platform provides unprecedented insight into applications, their dependencies, and behavioral patterns, tracking user interactions, network traffic, and system events. This advanced monitoring capability allows it to detect behavioral anomalies indicative of legitimate software that's been exploited.
- ▶ **Intelligent Analytics**  
TrueFort® harnesses the power of advanced analytics, leveraging machine learning to analyze real-time data from across the network. The technology effectively discerns anomalous behavior patterns, spotlighting potential compromise before it can move laterally.
- ▶ **Real-Time Monitoring**  
TrueFort® excels in real-time behavior monitoring, identifying unusual or suspicious patterns indicative of a zero-day exploit as it unfolds. This capability facilitates swift detection and response, providing a critical advantage over rapidly evolving threats.
- ▶ **Dynamic Microsegmentation**  
By employing granular protective controls and dynamic microsegmentation, TrueFort® significantly limits the impact of zero-day exploits. This lateral movement protection offers best-in-class containment to reduce the blast radius of an initial compromise.

**50%**  
of existing 0-day  
exploits from 2022  
are variants of  
previously remediated  
vulnerabilities.

(Google Project Zero)

- ▶ In just the first half of 2022, Apple discovered **seven** zero-day exploits in their technology.

(Statista, 2021)

- ▶ Nearly **half** of all zero-day exploits have taken place in the last decade, highlighting a growing trend.

(Cybersecurity Ventures)

## Understanding Your Environment: The Key to Workload Protection

Protection starts with understanding. TrueFort® uses machine learning to study normal behavior, creating a blueprint for approved applications and users. Any deviation from these patterns potentially signals a potential zero-day exploit, ensuring vigilant surveillance.

► **Unmatched Environment Insight**

TrueFort® offers deep visibility into applications, dependencies, and service account behavior. It vigilantly monitors user activity, network flow, and system events, identifying misuses as they occur.

► **Fast and Actionable Insights**

TrueFort® prioritizes real-time response. Its alerting system promptly informs the security team about potential malicious activity, allowing them to take swift and precise action.

## Segmenting for Security: Isolation and Control

The TrueFort® Platform integrates microsegmentation best practices, effectively isolating workloads and controlling behavior. In the event of an exploit, this approach ensures the containment of a compromise and prevents them from spreading across the environment.

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“OMG. We need to get this installed everywhere, right away!”

Cybersecurity Lead, National Energy Co.

### ABOUT TRUEFORT

TrueFort puts you in control of lateral movement across the data center and cloud. The TrueFort Cloud extends protection beyond network activity by shutting down the abuse of service accounts. Founded by former IT executives from Bank of America and Goldman Sachs, leading global enterprises trust TrueFort to deliver unmatched application environment discovery and microsegmentation for accounts and activity.

For more information, visit [truefort.com](https://truefort.com) and follow us on [Twitter](#) and [LinkedIn](#).

## Embracing a Zero-Trust Approach

A zero-trust approach forms the cornerstone of modern cybersecurity strategies. TrueFort® enables organizations to profile applications and service accounts and define acceptable workload behavior. It verifies all connections and actions, a critical step to avert potential security breaches in the network or cloud. This vigilance applies across all environments, whether on-premises, cloud, or hybrid.

The TrueFort® Platform provides an efficient and intelligent solution to the escalating threat of zero-day attacks.

Its emphasis on visibility, advanced analytics, real-time monitoring, and a zero-trust approach offers a formidable defense against the unknown, ensuring your organization stays one step ahead of the attackers.



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