ADAPTIVE THREAT ANALYTICS (ATA)

The intelligence service for advanced threat detection and classification

Overview

Cyphort's Adaptive Threat Analytics is a service offered by the Cyphort Labs team. ATA works in conjunction with the Cyphort Adaptive Detection Fabric to ensure that the SmartCore analysis engine is updated continuously with the latest threat detection and mitigation information produced by Cyphort Labs. The ATA service is available to all customers with a SmartCore license and entitles them to receive all Lab updates at no additional cost.

The Adaptive Threat Analytics Update Service

The ATA service offers recurrent updates to SmartCore's machine learning models and threat intelligence engines. A sample of what the ATA service includes is listed below. Please contact a Cyphort representative to get a comprehensive list of ATA services.

- **Machine Learning Model Updates:** Cyphort uses machine-learning analytics for analyzing malware behavior to determine if content is safe or malicious. The Cyphort Labs team continuously trains the machine-learning engine with millions of new samples of malicious and non-malicious code. Training allows us to increase the efficacy of our detection as we learn crucial characteristics of known good objects, as well as enable us to flag malicious object behavior falling outside the norm. Customers receive regular updates to machine learning.
- **Advanced Web Filtering:** IP addresses, URLs, and other threat intelligence data is curated by Cyphort labs and used to block external threats proactively.
- **Reputation Analysis:** Cyphort Labs reputation analysis determines if source URLs have a history of delivering malicious content.
- **Snort Signatures:** Adaptive Threat Analytics includes Snort signatures that can detect call backs to command and control servers.
- **Static Analysis:** This feature uses rules and signatures to assist in determining whether content is safe or malicious.

Threat Sharing Subscription

Customers can enhance the value of their ATA service by automatically sharing their anonymized metadata of new threats. Customers sharing threats found in their environment helps improve machine learning models. All metadata is limited to malware and malicious activities. No customer-distinguishable data is sent to Cyphort as part of the threat sharing subscription.

Customers can choose to opt-out of anonymized threat sharing by selecting the opt-out feature via the Cyphort Central Manager although Cyphort does not recommend it.

Cyphort ATA Benefits:

- **Provides visibility** into threats that are early in their life cycle
- **Keeps the machine learning models updated** to identify yet unseen threats
- **Improves threat categorization and prioritization** to accelerate threat containment and remediation

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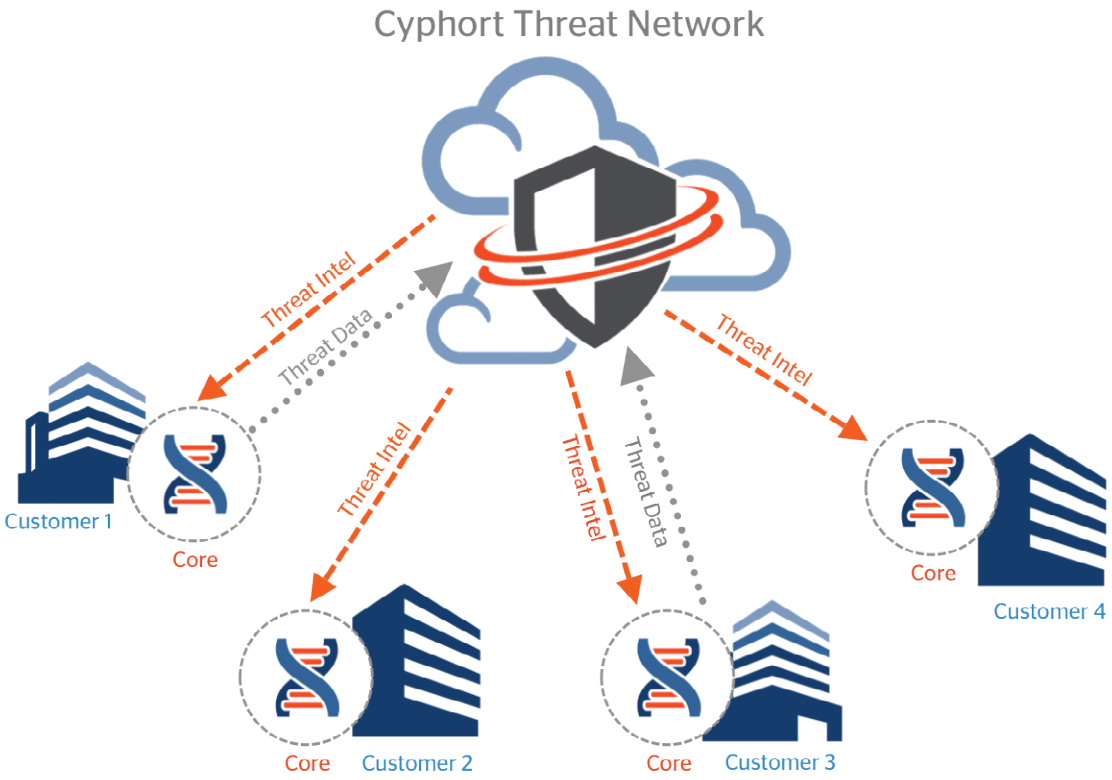

Adaptive Threat Analytics Information Flow

Cyphort Labs Overview

Cyphort Labs is made up of cyber security experts distributed throughout the world. We have assembled a team of security researchers, data scientists and ethical hackers from leading organizations. The Cyphort Labs' team works 24/7 monitoring the cyber world for malware events, their impact, and mitigation techniques. Their research results are incorporated into the detection capabilities of the Cyphort Adaptive Detection Fabric via static signatures, machine learning model updates, and algorithm optimization.

About Cyphort

Cyphort, Inc. is a network security company providing mid- and large-size enterprise customers with the innovative Adaptive Detection Fabric, a scalable software solution designed to integrate with existing security tools to discover and contain the advanced threats that bypass the first line of security defense in an organization. Based in Santa Clara, California, the company was founded in 2011 and distributes its software through direct sales and channel partners across North America and international markets. Learn more at www.cyphort.com.

CYPHORT

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