TYCHON

USE CASE: SECURITY OPTIMIZATION

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TYCHON secures enterprises with a powerful customizable tool suite for advanced persistent threats (APT) and polymorphic-malware hunting, asset identification, file discovery, root cause analysis, and system forensics. Arming you with speed, scale, capacity, and performance at previously unattainable levels, TYCHON continuously monitors and records client and server endpoint activity for real-time identification of threats. These tools provide a complete view of an incident (present or past), its cause, and the ability to trace network propagation, all from a single console.

TYCHON is a software company that develops advanced endpoint analytics and remediation technology that enables commercial and government organizations to bridge the gap between security and IT operations. TYCHON participates in McAfee's Security Innovation Alliance and TYCHON is engineered using the software development kits for McAfee ePO and leverages the Data Exchange Layer (DXL) and other messaging fabrics.

CAPABILITIES

Security Optimization

Leverage TYCHON to gain access to an array of insights about endpoints

McAfee Integration

Benefit from a single-entry point for centralized control of your assets

Script Repository

Customize your environment and simplify the process of working with vendors to ensure compliance

Endpoint Control

Gain enterprise control from a central console across multiple domains on or off the network

TAKE ACTION WITH TYCHON

- Get the complete view of current security posture and stay up to date on the status of your endpoints.
- Deploy patches, modify security settings, and enable/disable services all with a single click.
- Take one-click action to:
  - Quarantine Machines
  - Kill Processes
  - Delete Files
  - Enforce Policy
  - Hunt for Threats
  - Uninstall Applications
  - Manage Asset Compliance
  - Monitor Event Logs
  - Feed data to Splunk ® ArcSight™, McAfee® ESM, TIE, and ATD in real time
  - Ingest data from third party databased and cloud services

TYCHON

KEY FEATURES

REAL-TIME INCIDENT RESPONSE

Instantly respond to a new threat or IOC, from any vendor, by executing a cleanup, AV update, and services status check across all connected endpoints in a matter of seconds. Accepts both plain English text and full regular expression (REGEX) queries.

- Efficient IOC Searches
- One-Click Response Actions
- Two Person Integrity
- Target Endpoint by System Tree
- Netflow
- Trace

CYBER HYGIENE DASHBOARDS

Interactive dashboards, which display real-time enterprise compliance metrics for up-to-date situational awareness of network risk. Vital reports with details on privileged users, web server compliance, asset inventory, system authorization, required security services, patching, and overall organization software compliance.

- Strong Authentication
- Zero Trust
- Device Hardening
- Reducing Attack Surface
- Improved Detection and Response to Attacks

END USER ENGAGEMENT - TYCHON COMMUNICATOR

Close the gap between detection and response with a direct line of communication from the incident responder to the desktop of end users using the TYCHON Communicator platform. Send custom messages to one, some or all users (e.g. inform users that their machines are temporarily quarantined.)

- Displays Persistent Banner
- Send Custom Messages to any Endpoint

TYCHON ENDPOINT JOURNAL

Fully indexed record from every endpoint. Continuously monitor and record endpoint and server activity for near-instant identification of threats – present or past – and the complete view of an incident, root cause analysis, and tracing of network propagation.

- FIPS 140-2 Compliance
- Historical Data
- Compressed Messaging to Reduce Bandwidth
- Fuzzy Hash
- Netflow

API INTEGRATION

TYCHON's robust set of APIs makes integration with other endpoint or network capabilities straightforward and rapid via custom content creation, expanding data recording fields, and more.

- External Server Feeds
- DXL, Open DXL, Kafka
- SIEM Feeds
- API/SDK

ARCHITECTURAL FEATURES

TYCHON is built on an open, flexible framework with embedded micro services built using a Client-Server Model with an integrated FIPS 140-2 compliant journal for endpoint data capture. Our custom designed compression algorithm allows data to be sent securely and quickly in any type of network condition, even with low bandwidth restrictions.

- Open, Flexible Framework
- Embedded Micro Services
- Client-Server Model
- Data Roll-up
- No Scans required
- Targeting System Efficiencies

TECHNICAL PARTNERS

TYCHON partners with the best in class industry leaders and service providers to provide enriched endpoint data that is visible, accessible, understandable, trusted, interoperable, and secure.

- McAfee
- Elastic
- Palo Alto
- ThreatQ and more