

TYCHON

USE CASE: SECURITY OPTIMIZATION

CONTACT US

web: tychon.io

email: info@tychon.io

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 an endpoint analytics and remediation platform that helps clients search, visualize, remediate, and monitor every endpoint across their enterprise. From compliance monitoring to patch verification, the TYCHON platform manages every layer of endpoint security to keep analysts in control of their network.

BENEFITS



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

KEY FEATURES

TYCHON SENSOR

Lightweight agent built on a Micro Service engine framework designed to optimize integration with other third-party security vendors and provide superior data quality. Capture thousands of attributes per endpoint and fulfill use cases, such as systems management, cyber hygiene, and more.

- ▶ Logins, Permissions, & Users
- ▶ File Meta Data & Integrity
- ▶ Installed Software & Settings
- ▶ Digital Signatures & Certificates
- ▶ Licenses, Drivers, & Versions

MESH MODEL

Instantly query up to a million endpoints. Unique TYCHON components, such as Data Management Node (DMN), File Distribution Center (FDC), Dispatcher, and Orchestrator, are built for scalability and fast query response times.

- ▶ Deploy Patches
- ▶ Update OVAL / CVE Definitions
- ▶ Retrieve Files for Forensics
- ▶ Device Hardening
- ▶ Reducing Attack Surface

OPEN ARCHITECTURE

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 API Framework
- ▶ Embedded Micro Services
- ▶ Client-Server Model
- ▶ Data Roll-up
- ▶ Cloud / Hybrid / On Premise
- ▶ Low Bandwidth / Disconnected
- ▶ Best In Class Technical Partners

RAPID QUERY

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, and employs fail safe measures to guarantee fast and reliable content delivery.

- ▶ Flexible Endpoint Targeting
- ▶ One-Click Response Actions
- ▶ IOC Searches
- ▶ Trace
- ▶ Memory Analysis & Forensics
- ▶ Two Person Integrity

TYCHON 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.

- ▶ Master Endpoint Record
- ▶ FIPS 140-2 Compliance
- ▶ Historical Data
- ▶ Historical Running Processes
- ▶ Fuzzy Hash
- ▶ Netflow & DNS History

DYNAMIC 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.

- ▶ Continuous Comply 2 Connect
- ▶ Cyber Hygiene
- ▶ Compliance Validation
- ▶ Resource Utilization
- ▶ Strong Authentication
- ▶ Zero Trust

TYCHON COMMUNICATOR / END USER ENGAGEMENT

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.

- ▶ Displays Persistent Banner
- ▶ Send Custom Messages
- ▶ Outlook Searching
- ▶ User Created / Connected Shares