TYCHON

Configuration Management

TYCHON provides enterprises with a streamlined user experience for asset identification, software inventory, endpoint configuration management, real-time compliance tracking, managing software installations, rapidly deploying security updates, preparing OS system migrations, interactive end user notifications, and system resource utilization. Our solution provides a complete and real-time view of endpoints across the enterprise, enabling your staff to scale further, improve effectiveness, identify issues, remediate known vulnerabilities, add or remove software, and patch out-of-date software all from a single console.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

Two Party Authorization
Secure advanced features and actions by requiring two party approval

Roll Up Reporting
Leverage TYCHON to generate roll up reports quickly and easily

Context Triggered Hashing
Generate, record, and index a fuzzy hash of all files on disk

Visibility
Record, index, and actively monitor endpoints locally in real-time.

Remediation
Alleviate risk using a proactive vulnerability mitigation platform

Host Based Endpoint Journal
Benefit from always-on monitoring and indexing with DVR-like capability

TAKE ACTION WITH TYCHON

► Better understand and secure the environment of your enterprise with a single console.
► Automate day-to-day systems management processes and eliminate the human element.
► Take one-click actions to uninstall applications, quarantine machines, and find similar files.
► Do more with less. Streamline your internal operations by:
  ○ Retire or eliminate outdated/unused software and tools and orphaned/disconnected servers
  ○ Identify candidate servers for virtualization
  ○ Save money on audits, staffing, maintenance fees, training, and software licensing
  ○ Uninstall applications
  ○ Migrate with ease to new software applications or operating systems.

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