TYCHON

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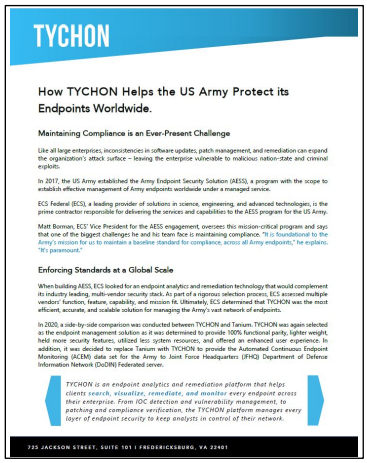
TYCHON

How TYCHON Helps the US Army Protect its Endpoints Worldwide.

Maintaining Compliance is an Ever-Present Challenge

Like all large enterprises, inconsistencies in software updates, patch management, and remediation can expand the organization's attack surface – leaving the enterprise vulnerable to malicious nation-state and criminal exploits.

In 2017, the US Army established the Army Endpoint Security Solution (AESS), a program with the scope to establish effective management of Army endpoints worldwide under a managed service.

ECS Federal (ECS), a leading provider of solutions in science, engineering, and advanced technologies, is the prime contractor responsible for delivering the services and capabilities to the AESS program for the US Army.

Matt Borman, ECS' Vice President for the AESS engagement, oversees this mission-critical program and says that one of the biggest challenges he and his team face is maintaining compliance. "It is foundational to the Army's mission for us to maintain a baseline standard for compliance, across all Army endpoints," he explains. "It's paramount."

Enforcing Standards at a Global Scale

When building AESS, ECS looked for an endpoint analytics and remediation technology that would complement its industry leading, multi-vendor security stack. As part of a rigorous selection process, ECS assessed multiple vendors' function, feature, capability, and mission fit. Ultimately, ECS determined that TYCHON was the most efficient, accurate, and scalable solution for managing the Army's vast network of endpoints.

In 2020, a side-by-side comparison was conducted between TYCHON and Tanium. TYCHON was again selected as the endpoint management solution as it was determined to provide 100% functional parity, lighter weight, held more security features, utilized less system resources, and offered an enhanced user experience. In addition, it was decided to replace Tanium with TYCHON to provide the Automated Continuous Endpoint Monitoring (ACEM) data set for the Army to Joint Force Headquarters (JFHQ) Department of Defense Information Network (DoDIN) Federated server.

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

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Thank you for downloading this TYCHON use case! Carahsoft is the public sector distributor for TYCHON solutions.

To learn how to take the next step toward acquiring TYCHON's solutions, please check out the following resources and information:

For additional resources:
carah.io/TYCHONResources

For upcoming events:
carah.io/TYCHONEvents

For additional TYCHON solutions:
carah.io/TYCHONProducts

For additional Cybersecurity solutions:
carah.io/Cybersecurity

To set up a meeting:
TYCHON@carahsoft.com
844-445-5688

To purchase, check out the contract vehicles available for procurement:
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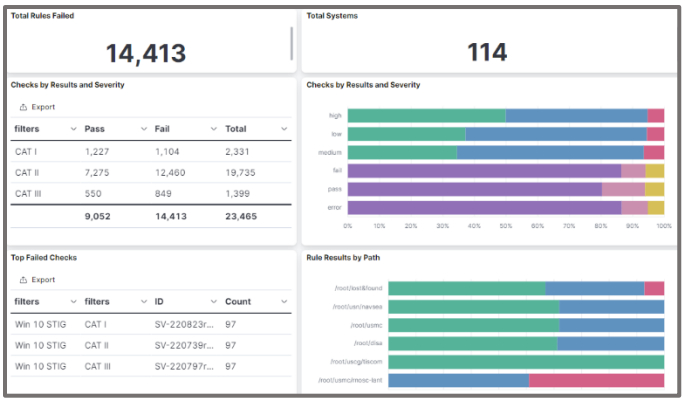
Open Architecture. Rapid Deployment.

TYCHON's existing integration with Trellix (formally McAfee) enabled an efficient deployment process, allowing the technology to be quickly implemented and functional at enterprise scale. As a result, ECS was able to quickly deploy the TYCHON sensor on every Army endpoint across the globe.

TYCHON's open architecture also made it a natural fit to become the AESS team's default dashboard – visualized through Kibana – which pulls in data from a variety of supplementary cybersecurity products to streamline the management process and provide endpoint situational awareness across the network.



"Tychon doesn't restrict API or product integrations to share data. They ask, 'How do we compliment and extend your environment and leverage what you're already doing to make it better?'"

– Matt Borman, Vice President, Army Cyber AESS, ECS

Right-Sized Queries for Real-Time Insights

TYCHON's low-overhead sensors deliver ultra-fast querying, enabling the Army to quickly interrogate endpoints and identify where anomalies, artifacts, and IOCs exist, compiling them in one common schema on Elasticsearch. Previously, the Army had to comb through countless files, folders, and vulnerabilities on every computer connected to the network – which was slow, imprecise, and resource intensive.

Today, Army analysts fine tune their analysis and remediation to focus only on the challenge at hand. They can query one endpoint, a range of endpoints, or every enterprise endpoint; they can search for single actions or multilayered attacks; they can explore historical exploits to evaluate length of exposure; and they can run delta-based continuous monitoring compliance checks for patches and software updates as one integrated tool.

According to ECS, the power of the TYCHON Sensor is what set it apart from other endpoint solutions on the market. Specific queries, focused on highly granular data, enable more timely and accurate responses, and mitigate the negative impact on end user's resources and precious bandwidth as well.

TYCHON's Key Benefits

ECS points to three key benefits from using TYCHON that have transformed the AESS team's work and improved the Army's resilience against malicious attacks.

Risk Measurement

Measuring and scoring the scale and nature of endpoint vulnerabilities across the Army's global network.

Robust Analytics

Lightweight data capture and processing to enable proactive and predictive analysis.

Accuracy

Timely insights to improve the speed and relevance of remediation tactics with near real-time results.

Get Complete Endpoint Visibility

Call or email our team to request a demo or pilot.

Visit Tychon.io | Email info@tychon.io | Call (540) 699-3817

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