ECHO – Enhanced CTI Sharing for Partner Organizations



All missions are at risk from cyber threats. Efficient integration of cyber threat intelligence (CTI) enables cyber defenders, including coalition partners, to effectively prioritize mission asset protection efforts.

What is ECHO?

Analyzing and contextualizing CTI requires advanced expertise and resources that are able to:

- Identify relevant threat actors
- Understand how threats relate to mission impact
- Identify defensive capabilities that are threat targets
- Prioritize threat-informed defensive responses

Enhanced **C**TI S**H**aring for Partner **O**rganizations (ECHO) is an application that mines and contextualizes CTI. Its purpose is to provide evidence-based insights that help decision makers prioritize cyber-hardening actions and protect operational assets, thus protecting their mission space. ECHO integrates various tools to faciliate analysis and develop mission-appropriate recommendations for detection, protection, mitigation, and defensive courses of action.

ECHO operationalizes ATT&CK and NIST Cyber Security Framework to support threat-informed decision making

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Use ECHO as a tool to…

Integrate ATT&CK®, .govCAR, Cybersecurity & Infrastructure Security Agency (CISA) Exploited Common Vulnerabilities and Exposures (CVE®), D3FEND™, and MITRE Engage™ tools into a unified capability that interfaces with the OpenCTI database of CTI or another Structured Threat Information Expression (STIX™) 2.1 standard compliant threat intelligence platform. ECHO tools contextualize threat information that cyber defenders need to:

- Ensure continuous mission delivery
- Prioritize areas of risk to optimize resource allocation and investments
- Reduce the risk of operational disruption
- Facilitate coalition CTI sharing

Process benefits

ECHO gives users insight into areas of vulnerability that could disrupt their mission and operational environments by contextualizing CTI. It also allows them to identify and track trends and improve cyber protection investment decisions.

ECHO helps or enables future planning, scoping, and prioritization of mission areas, operational assets, cyber dependencies, and recommended actions based on identified exposures.

Based on identified cyber risks and mission prioritization, ECHO generates a mission exposure profile that informs hardening of operational assets, resource allocation, and investment areas that provide mission assurance.

For information about MITRE's Enhanced CTI Sharing, contact echo@groups.mitre.org.
For more information about MITRE, visit *mitre.org*.





Interested in an ECHO demo?

Email us at
echo@groups.mitre.org

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