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11:30 AM - 11:50 AM

Operational Awareness through Data Aggregation, Analysis, and Interactive Visualization with SolarWinds

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Abstract:

In complex and dynamic cyber environments, mission success depends on the ability to rapidly ingest, analyze, and act upon data from a diverse range of sources simultaneously.

SolarWinds delivers a comprehensive observability and IT operations platform that empowers military and cyber operations with scalable data ingestion, advanced analytics, and interactive visualization capabilities. SolarWinds technology is designed to import and normalize structured and unstructured data from multiple feeds, including logs, metrics, events, configuration data, and telemetry from both cloud-hosted and self-hosted environments. In this session you will learn:

1. The SolarWinds approach to providing a unified operational view of disparate aspects IT operations through flexible APIs, native integrations, and support for industry-standard formats (e.g., syslog, SNMP, NetFlow, RESTful data sources).
2. How SolarWinds ingests data and employs intelligent analytics and correlation to identify anomalies, trends, and mission-relevant patterns. Real-time processing enables proactive detection of system performance issues, network threats, and cyber hygiene gaps across Army IT infrastructures.
3. Ways SolarWinds further enhances operational decision-making by providing customizable dashboards with interactive filters, enabling users to drill down into mission-relevant operational performance without unnecessary fluff. These digital displays can be tailored to specific operational roles, command levels, or geographic areas of interest—helping commanders, warfighters, and analysts maintain situational awareness, prioritize threats, and ensure continuity of operations.

When you attend this session, you will get a deep dive into SolarWinds architecture offering modular, scalable, and secure performance which aligns perfectly with the Army Cyber Center of Excellence's goals of cyber readiness, data-driven decision-making, and resilient mission command.