Unified Collection Operations Reporting Network (UNICORN)
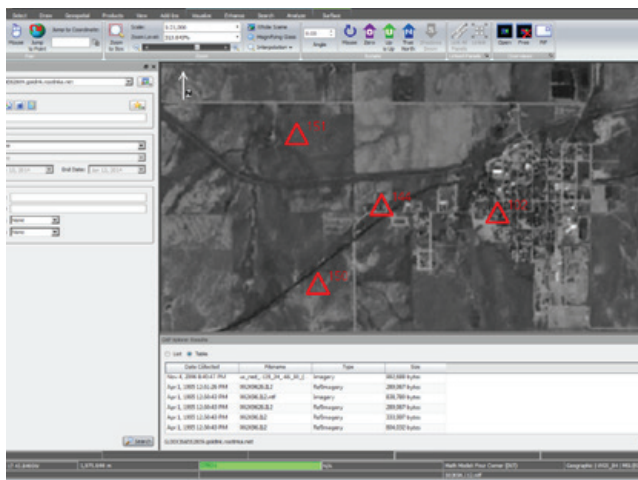
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Geographically distributed intelligence organizations need to plan, collect, analyze, and produce intelligence as quickly and effectively as possible. UNICORN—developed by Leidos—enables these goals through implementation of a highly intuitive workflow orchestration optimized for ISR problem sets. UNICORN is a U.S. Government off-the-shelf (GOTS) web-based workflow management system providing enterprise and site-level intelligence production management services for global ISR operations.
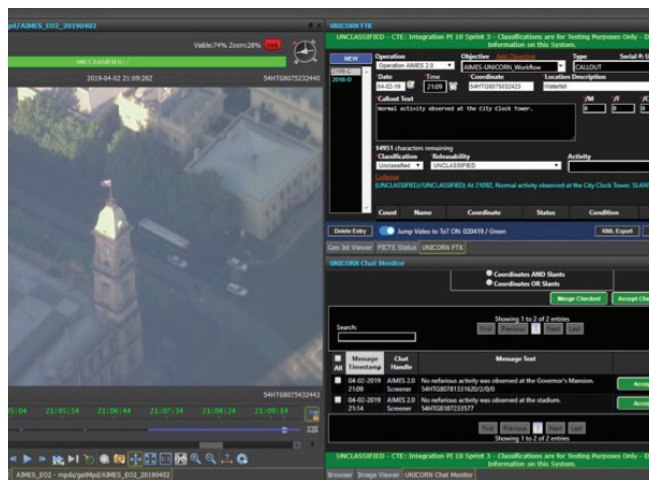
OUR CAPABILITIES

As an industry leader in defense intelligence solutions, Leidos has deep experience developing systems that address the unique challenges of real-time ISR production and delivery. The UNICORN solution was built in close partnership with the decision-makers and analysts in a U.S. military branch intent on creating the world's premier automated intelligence production management system.

SOCET GXP® Integration

UNICORN provides a robust service catalog to enable workflows in third-party tools such as BAE's SOCET GXP Screener Tool. In this example, the user is updating task statuses in UNICORN via a native SOCET interface.

AIMES Exploit Integration

Reporting interfaces such as UNICORN's FMV Toolkit (FTK) can also be directly embedded inside third-party tools or web sites to enhance the user experience. In this example, the UNICORN FTK interface is used to automatically fast forward or rewind the video to the exact time of a reported event.

END-TO-END PRODUCTION ORCHESTRATION

UNICORN is designed to track, manage, and provide insight into every aspect of an ISR operation in real-time. Intelligence professionals can create intelligence tasks, assign them to platforms and sensors, receive notification of source data arrival, pass task metadata to popular exploitation tools, automatically create products through dynamic templates, and disseminate finished intelligence to customers with a single click.

FLEXIBLE ISR DATA MODEL AND INTERFACES

UNICORN is built with a detailed yet highly flexible data model designed with extensibility in mind. Platform types, sensor modes, analyst organizations, and hundreds of other pieces of metadata can be added to lookup tables on the fly, enabling management and reporting user interfaces (UIs) to support new or upgraded mission capabilities without a software update. UNICORN's web-based architecture means required software upgrades can be deployed instantly.

INTEGRATION-READY ARCHITECTURE

Modern intelligence operations are executed using multiple platforms, sensors, and software suites that must operate seamlessly for maximum effect. UNICORN was designed to support the intelligence ecosystem by providing multiple options for integration, including but not limited to SOAP and REST web services, enterprise service bus / broker-based communications, and PKI support.

MULTI-DOMAIN WORKFLOW SUPPORT

UNICORN tracks the classification and releasability of each data element and uses an advanced algorithm to cohesively replicate data across network boundaries in near real-time. This technology allows intelligence professionals to work as virtual teams across their own domestic networks, as well as across topologies that include coalition or even partner nation networks.

PROVEN SUCCESS

Leidos ISR solutions enable customers to achieve mission success and multi-domain dominance at home and abroad. We bring advanced solutions and proven technologies from our experience supporting the intelligence community, government, regulated agencies, and commercial providers worldwide, allowing timely and cost-effective delivery of complex, scalable and secure solutions.

WHY PARTNER WITH LEIDOS

Through our culture of innovation and history of performance, we maintain deep customer trust built on integrity and create enduring solutions that improve our world. Our C4ISR experts provide innovative technologies, unique methodologies, and world-class software and services for customers in the broader intelligence, surveillance, and reconnaissance community in operational environments.

NEXT STEP

We're delivering innovative solutions that help our customers protect what's most important. Our Defense portfolio of services spans environments and includes cutting-edge C4ISR, transformational logistics, and complex enterprise IT and systems integration. For additional information on UNICORN, please contact us today.

FOR MORE INFORMATION

leidos.com/defense | unicorn-info@leidos.com

KEY FEATURES

- Interfaces for managing missions, sensors, tasks, and people
- Alerting framework for activity based intelligence (ABI) work flows
- Automatic correlation of ISR data to analytical tasks
- Embedded quality assurance (QA) work flows
- Automated product creation and publication
- AIMES and SOCET GXP integration
- Automatic, secure data replication across enclaves

BENEFITS

- Optimize production from tasking to publication
- Add new platforms, sensors, or sites in seconds
- Seamlessly integrate with popular exploitation tools
- Prosecute missions across security domains

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