



XD Guardian Enables Real-Time Blue Force Tracking

Case Summary

INDUSTRY

Defense

CHALLENGES

Exportable CDS required for secure connection to coalition C4I blue force tracking networks

SOLUTION

XD Guardian

BENEFITS

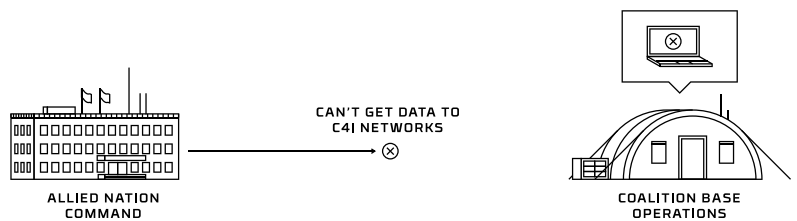
Secure, high speed cross domain transfers of real-time blue force tracking and identification

Cybersecurity Challenge

Due to challenges with securely integrating GPS data from non-Five Eyes coalition partners within the US Link16 defense communication network, there remains a gap in real-time identification of allied forces (Blue Forces) in the field. In order to share identification data with the coalition network, the coalition partners required a cross domain solution (CDS) both capable of meeting the standards of the US Intelligence Community (IC) and exportable outside of the Five Eyes nations (Australia, Canada, New Zealand, U.K., and U.S.).

REQUIREMENTS

- Exportable U.S. Government accredited CDS
- No shared code base with existing U.S. accredited CDSs
- Able to transfer live GPS data for blue force tracking
- High-speed content filtering of streaming data



Before Architecture

Solution

The availability of an accredited, exportable CDS enabled coalition partners to implement XD Guardian on command and control networks. XD Guardian allowed the sharing of real-time Blue Force Tracking GPS data from the non-Five Eyes allied command networks to coalition partners.

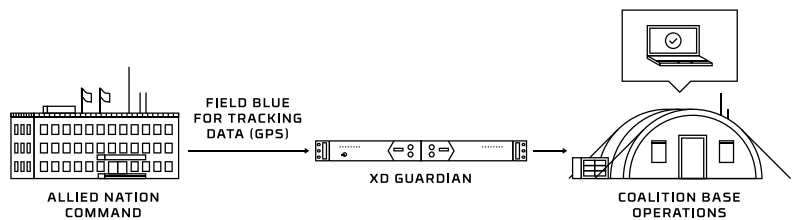
XD GUARDIAN

XD Guardian is a U.S. government accredited, dual-guard, quad diode cross domain solution. It is the only exportable CDS available for commercial or defense deployments worldwide in organizations that require military-grade data transfer assurance. Featuring best-in-class performance with 1 Gb network interfaces, XD Guardian supports both unidirectional and fully bidirectional transfer modes with customizable content filtering and policy configuration. It is available in a standard 1U 19" rack-mountable configuration for use in enterprise applications and multiple tactical form factors.



Results

- Provided an IC-certified, exportable CDS platform
- Enabled secure, high-speed GPS data filtering and transfers
- Allowed coalition partners to share and utilize real-time Blue Force Tracking data
- Greatly increased operational visibility, effectiveness, and safety



After Architecture

Owl Cyber Defense Solutions, LLC leads the world in data diode and cross domain network cybersecurity. With a constant focus on customers in the military, government, critical infrastructure, and commercial communities, Owl develops market-first, one-way data transfer products to meet a variety of operational needs, from entry level to enterprise.

For more information on Owl, or to schedule a demo, visit www.owlcyberdefense.com

