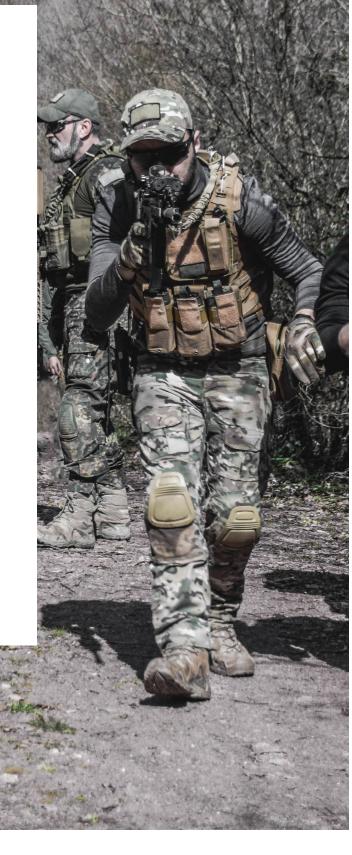# Cross Domain Solutions

Artifact Transfer System (Encabulator)

Because Flexibility Defines Success in Fast Paced, Evolving Environs

It's time for rapid and innovative methods for Cross Domain Solutions: ways to leverage cloud technologies and provide the additive speed, reliability, agility and security you need to accomplish your mission.

As the DoD transitions to a modernized IT infrastructure, innovative methods to seamlessly transfer specific data sets. Our Seven Part Artifact Transfer System uses an event driven methodology to systematically and routinely drive specified data set files from unclassified to classified networks leveraging a tailored lambda system and dencabulation process.

This process allows mission partners to dramatically the transfer of vital data at a rate commensurate with the Speed of SOF.

GDIT

Artifact Transfer System Benefits

Rapid Transfer Architecture

Building Reliability to assure timely transfer

 Integrated Seven Component System

- Seamlessly Transfers files from low to high side
- Staging Diode Artifact Transfer leverages unique Staging Encabulator and Diode Dencabulator that usher artifacts through a staged system

Phased Transfer System

- Our system uses a low side lambda encabulator which monitors, categorizes and extracts event data, creating a new record in the queue. Consistent system checks identify new files for processing where they are allocated to the transfer folder and moved by AWS Diode to the high side
- On the high side reverse steps are taken to dencabulate the file. Triggers enter the file information into the queue table. A process on an EC2 instance monitoring the queue picks up the file or file parts, reassembling and unzipping the file.
- Once dencabulated the file is placed in the destination folder

Cloud Based

All of our cloud-based efforts are guided by a set of core tenets

- Availability – We provide accessibility, failover & rapid disaster recovery
- Scalability – We ensure elasticity & load-balancing
- Repeatability – We use automation, Infrastructure as Code (IaC)
- Agnostic – We avoid 'vendor lock in' in favor of open source