EC08 Daily Report
25 Jul 08

DCGS-A V3.0 and V3.1

Location: Danville, Echo, 513th and Ft Monmouth
POC(s): David Usechak

- o Personnel: 3 personnel at Danville, 2 personnel at Echo, 2 personnel at 513th and 12 personnel at Ft Monmouth with no issues to report
- o Activities:
    - Summary of Planned Activities:
        - Continue to conduct DIB federation testing with other nodes
        - Attempt to federate cross domain
    - Significant Issue: The network appears to be very slow
- o Imagery Products:
    - Products Collected: No products were collected because today was a no-fly day
        - However, we attempted to federate cross domain using DCGS-A V3.1 and were able to pull down simulated data
        - This proves that the high speed guards do work if the data has the correct lables
- o Summary:
    - Success: We were able to pull simulated data cross domain
        - On Monday we will attempt to pull some actual data
- o Additional Comments: Status of DCGS-A node connections:
    - There are a total of 16 external nodes
        - DCGS-A V3.0 status is: 6 nodes are green, 5 are yellow, and 1 red due to a crash
        - DCGS-A V3.1 status is: 10 nodes are green and 2 are amber

DCGS-N

Location: DCGS-N Development & Integration Lab, SPAWAR System Center, Charleston, SC
POC(s): T.K. Quigley

- o Personnel: 4 personnel with no issues to report
- o Activities:
    - Summary of Planned Activities:
        - Continue to search/discover/retrieve data from other DDTE nodes via their portals and query tools
        - Continue integration with the GSIL NGA team to return result from their NCES federated search query
        - Validate node readiness for outbound NCES query to be federated to the GSIL aggregator, and then routed to the DCGS-A DDP on 31 July and 1 August
            - o Once inbound queries results from the DCGS-N DIB are successfully returned to the GSIL aggregator, we intend to populate the IPL with a NITF carrying a populated IMAGE.REMARKS field, which we will then keyword search from the GSIL aggregator
            - o This will prove both DIB and IPL NCES 1.3 interoperability for Content Discovery and Retrieval via our NCES endpoint
        - Validate DoD PKI user authentication to the DCGS-N Enterprise Search with user soft-certificates by 30 July
        - Complete and submit "slick sheet" for EC08 DV/VIP folders
    - Significant Issues:

- We continue to work through SOAP message formatting and header issues, which we believe are causing the DCGS-N endpoint to fail when returning results from the query
  - We observe the query federation to the data providers (IPL & DIB) and we see valid result sets returned from the DIB search web service adapter
  - These results are not properly returned to the GSIL however, due to an unknown error during the IFIS results marshalling process
  - Unencrypted packet traces were taken today with two different message strings
    - These traces will be analyzed to troubleshoot the issue
- The Navy node has been unable to connect to the GSIL Tactical Validation Authority (TVA) for CRL validation, and is awaiting a response as to the availability of the LDAPS service interface on the JEDS slice, also hosted by the GSIL
  - Both these services are necessary to PKI enable the Navy's web services
- Imagery Products:
  - Products Collected:
    - Sample DIB MDC entries from the FSP
    - IPL NITF and SAR imagery
- Summary:
  - Successes:
    - Able to access portals of eight DDTE nodes and see four others
    - Successfully searched/discovered metadata from five nodes and retrieved product from two
    - Data collection of the unencrypted traces, as well as tests with additional required WS-Security fields were conducted for analysis
    - Inbound NCES queries are being properly accepted and routed to the appropriate data providers, who are properly returning result sets
    - The DCGS-N Map server was restored to functionality, making the Enterprise Search portal application fully functional
    - FedEx-ed 200 copies of DCGS-N slick sheet to NAWC China Lake
  - Lessons Learned:
    - SAML attribute statements must accompany inbound NCES queries to the Navy endpoint
      - Even though no processing is performed, the parsing engine of our search web services requires these headers
    - Timestamps are assigned by the 1.3 proxy in the local time zone
  - Where Help is Needed: Navy developers are working to troubleshoot and debug the existing issues
    - Required resources are allocated to this task and no external assistance is needed at this time

DTRA / Targeting P-ISR and Agent Logic

Location: Michelson Labs (Rooms 136 and 409), China Lake / WMD Response Cell, Joint Intelligence Lab, Suffolk, VA
POC(s): Evan Madsen (China Lake Targeting P-ISR) / Dave Pyle (JIL WMD Response Cell) / Adam Edleman (Agent Logic)

- Personnel: 2 personnel at China Lake and 2 personnel at Suffolk with no issues to report
- Activities:
  - Summary of Planned Activities: Targeting P-ISR
    - China Lake:
      - Collecting lessons learned from MDA ground scenario execution from 23 Jul
      - Next major event will be re-run of MDA ground scenario on 29 Jul
    - Suffolk:
      - Continue investigating Cursor on Target implementation on C2PC for ingestion of WMD products
      - Continue investigating possibility of passing hazard prediction products across high speed guard
      - Refining TTPs for 29 Jul run of MDA ground scenario
- Additional Comment: Agent Logic – Adam Edleman will be on station at Suffolk 28-29 Jul
  - Major Greenfield departed China Lake 25 Jul

JBAIIC

Location: UAV Hangar / Echo Range / Room 136 Michelson Labs, NAWC China Lake, CA
POC(s): CDR "Gus" Crissman / Charley Hart

- o Personnel: 31 personnel with no issues to report
- o Additional Comments: No fly day
  - Worked technical integration issues
  - Attended EC08 preliminary hotwash
  - Continue to troubleshoot why SensorWeb data is not passing through the RHSG from COI CTP to CFE CTP
  - Continued troubleshooting the NITF to CoT conversion capability to facilitate reconstruction of a NITF passed through the guard as CoT messages on the CFE CTP
  - Added rule in CFE CoT Message Router to send air and ground tracks to the DIB
    - This is intended to enable the tracks to be visible on DCGS
  - Performed two end-to-end tests of Biometrics comms links
  - Installed five new, more powerful laptops (four in JMSM II and one at the Room 136 JBAIIC LNO position)
  - Installed four large screen displays in JMSM II to display the feeds from the small-screen laptops

MI Pilot

Location: NAWC China Lake
POC(s): John Bordner

- o Personnel: 16 personnel with no issues to report
- o Activities:
  - Summary of Planned Activities:
    - Despite today being a no-fly day, the MISB/JITC finished up their data collection
    - FAME received a new trans-coder today that will facilitate their video broadcast to fielded PRC-117s
- o Imagery Products:
  - Products Collected: MISB/JITC team finished collection efforts for the Live Fly portion of EC08 – around 3,500 files total
- o Summary:
  - Successes:
    - MISB/JITC, who had collected 100% of their requirements as of yesterday, spent today with further collection efforts to support a previously unplanned study into cross-exploitation system interoperability
    - FAME is now in a position to demonstrate their own previously unplanned demonstration of pushing video streams to fielded sources via the PRC-117
    - In another example of cooperation within the MI Pilot, the VPC group will attempt to push their cached Warrior streams (considered a Predator surrogate) through to the DDTE network where Smart Video can use it to demonstrate their capabilities on "fresh" video