



Joint Analysis Net-centric Evaluation Testing Toolkit (JANETT)

Overview

The **Joint Analysis Net-centric Evaluation Testing Toolkit (JANETT)** software provides a flexible, rule-based, data parsing, analysis, validation, visualization, and reporting capability utilizing a service oriented architecture. JANETT is message protocol agnostic and supports automating the analysis of large volumes of data in a cost-effective, consistent, and repeatable manner. The JANETT support team is comprised of highly experienced engineers and analysts who plan, execute, collect and analyze data, and enhance software for testing and verification. JANETT is used for developmental, standards conformance, cyber, interoperability, and operational testing of capabilities within the Joint Information Environment (JIE).

Features & Capabilities

JANETT provides universal processing and analysis capabilities and uses XML rules to provide the specifics for the type of data. JANETT utilizes Add-Ins in the Net-centric Evaluation Services Toolkit (NEST) for visualizing and performing analysis on collected data.

- Rules driven parsing, conversion, display, and analysis
- Reduces the amount of code changes required to support new and updated protocol versions.
- Supports protocol message Data Collection, Reduction, Analysis (DCRA), and display in support of Developmental Testing, Operational Testing, Standards Conformance Testing, Interoperability Testing, and Cyber.
- Provides network instrumentation to monitor, collect, and log multiple message protocols
- Supports test situational awareness (real-time picture using SIMDIS and filterable real-time scrolling message display)
- Supports test event analysis (transforms data between protocols, views message threads, queries processed messages/data)

JANETT Services

Over the years, as JANETT capabilities and services have evolved, so have our customer's needs. JITC clearly understands those needs and that they are asking us to go beyond tracking and reporting capabilities and move towards product validation against standards and specifications. They need a support tool to better capture the collective direction of their efforts. As a result, JITC has put significant investment and sweat equity into our JANETT program and services over the past year. JANETT was developed to support gaps in automated testing and quickly adapt to changes in digital data structures. In doing so, JITC has catapulted JANETT from a data collection and display tool to a tool that provides the analyst with a multitude of near-real time and post-test validation capabilities. JITC's goal is to provide the data developing and architecture data flow communities a clear insight towards meeting their interoperability requirements and efforts.

Points of Contact

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