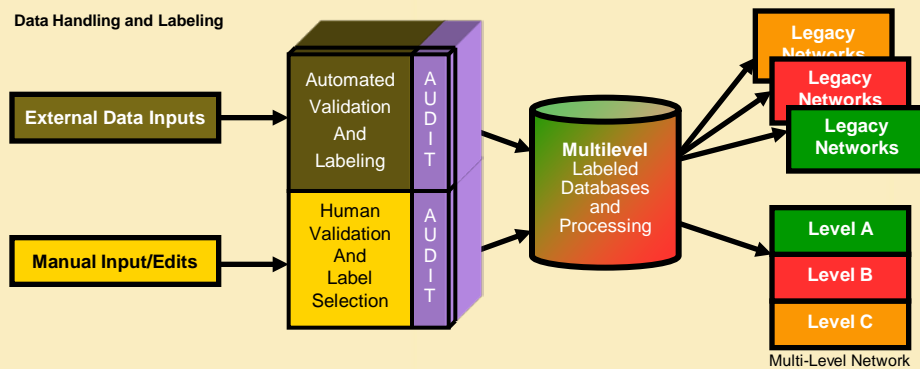




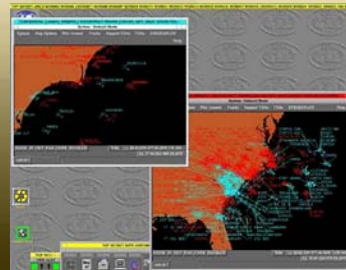
Data Handling and Labeling



Multi-Level Secure vs. Multiple Security Levels



Common Operational Picture (COP) viewed at two different levels of access



What is JCDX?

The Joint Cross Domain eXchange is a computing platform that can process information at multiple security levels and safely exchange information between them. It is an all-source data management, display, fusion, processing and near real-time dissemination system.

- ✓ Multi-Level Secure (MLS)
- ✓ Runs on Security-Enhanced Linux (SELinux)
- ✓ Role-based clearances support multiple access levels
- ✓ System capabilities not limited to tactical military networks
- ✓ Certified and operational Since 1998

While collaboration has typically required complex sanitization procedures (treating all information as though it originated from the highest level domain), JCDX provides a much more effective solution where collaboration can occur seamlessly between users in different security domains.

When JCDX receives information, it is assigned a persistent sensitivity label and its classification is color coded. All files of the current sensitivity and below can be visually viewed from a working window. Data is only accessible if the user *and the application* are authorized for the level of the data.

Users with different clearance levels can share data and view an operational picture in near real-time across multiple security domains while ensuring data dissemination is limited to each user's clearance level.



Operational World-Wide

JCDX is fielded in Unified Command Centers, Joint Intelligence Centers, and at the National Headquarters of our closest allies around the world:

US Sites:

- Joint Forces Intelligence Center (JFIC), Virginia
- Joint Battle Center (JBC), Virginia
- Joint Intelligence Center Pacific (JICPAC), Hawaii
- USS Mount Whitney (LCC 20)

United Kingdom Sites:

- Joint Analysis Center (JAC) Molesworth
- Permanent Joint Headquarters (PJHQ), Northwood

Australia Sites:

- Australian Theater Joint Intelligence Center (ASTJIC), Sydney

Japan Sites:

- Operational Intelligence Center (OIC), Funakoshi

Korea Sites:

- Maritime Tactical Intelligence Center (MTIC), Chinhae
- Seven other sites throughout the country

Accreditations

JCDX is formally accredited for automated multilevel operations, protection-level 4 (PL4), at the Cat II and Cat III levels by DIA SYS-4 and SSONavy-521 (Service Certification Organization). Certified by DISA.

Detailed Features

- Automatically generates products for coalition forces: Narrative messages, formatted event by output broadcast
- Supported Message formats: USMTF, Gold, TRETAB, JMTF, Coastline, and others
- Integrated Radiant Mercury sanitizer/downgrader
- Integrated Gale Lite tools
- Provides supporting data (e.g., MIDB, NWTDB, StrikePLot, on-line Jane's publications)
- MLS AMHS-JETS message profiling and high-speed text retrieval
- Multilevel track database supports over 10,000 tracks simultaneously

Labeling

JCDX provides a mechanism to label all stored data and enforce Mandatory Access Control (MAC) policy based on these labels.

- Labels are applied and managed by the operating system (OS).
- Secure OS controls all file, data, and process access via the MAC policy.
- JCDX labeling policy mimics the way information is protected by real-world intelligence organizations.
- Security/sensitivity labels are applied to every process and every user on the system.

Unrival Security

JCDX supports NATO and US security domains and has extensive automated dissemination controls. No other C4I system in the world does!

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