The rising demand for rapid intelligence software solutions combined with limited Government funding has highlighted the need for an organized process to use resources more efficiently. The solution needed to leverage existing capabilities to meet mission needs and ensure that defense intelligence information flows seamlessly across enterprise boundaries. In response, as a Government initiative, the NRO and AFRL developed the Defense Intelligence Information Enterprise (DI2E) framework as a solution to promote intelligence software asset reuse where possible.

DI2E’s goals include:
- Promote & facilitate the reuse of software assets.
- Support compliance testing with the framework & standards to encourage interoperability between assets for new development by defining standards, specifications, reference implementation, policy, doctrine, & processes.
- Provide a DI2E catalog (the Clearinghouse) of information to easily search for compatible reuse options.

The Space Dynamics Laboratory (SDL) is supporting the DI2E initiative by:

1. Developing a web-based application known as the Clearinghouse, currently in use.
   - Maintaining the application by continually adding new capability & functionality.
2. Evaluating assets to add to the Clearinghouse.

ASSET EVALUATION
SDL is part of a team of qualified analysts that the U.S. Government has formed to evaluate software assets from the intelligence community and industry to determine if they are suitable for promotion and reuse. The evaluations involve a thorough and rigorous process that helps determine reusability, conformance to standards, and overall quality metrics. The team compiles standardized reports and provides reviews, question and answer data, and even developer contact information. The results of these evaluations are stored in the Clearinghouse. Clearinghouse users can search these evaluations to discover reusable assets and determine if they are appropriate for the system they are building.

DI2E CLEARINGHOUSE
The DI2E Clearinghouse is an ideal repository for hosting the evaluation results of reusable software assets for the intelligence community. This open source tool, Apache License v2, is publicly available.

The Clearinghouse provides:
- A catalog of software assets, including user reviews & ratings
- Software asset discovery & comparison
- Reporting & relationship visualization
- Administrative data management tools
- User-configured notifications
- Usage analytics
- Feedback for software reuse (COTS, GOTS, open source)

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**TECHNICAL SPECIFICATIONS**

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**SERVER ENVIRONMENT**

**CLIENT LIBRARIES**

**BUILD TOOLS**

**INTEGRATIONS**

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COMPONENT TRACKING
- Component configuration management
- Component updates/enhancements
- Ratings
- Usage metrics
- Asset provider coordination

SEARCH RESULTS & EVALUATION OVERVIEW

DI2E Clearinghouse
Defense Intelligence Information Enterprise

Search results & evaluation overview

Reusability factor evaluation scores

DI2E
DEFENSE INTELLIGENCE INFORMATION ENTERPRISE

COMPONENT TRACKING
- Component configuration management
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1695 North Research Park Way, North Logan, Utah 84341, Phone 435.713.3568, www.sdl.usu.edu

Space Dynamics Laboratory
Utah State University Research Foundation