Resources

The Analysis Exchange (AE) was designed to help government and industry achieve common goals and efficiencies. Government analysts can be assured that any of the ever–growing number of vendors participating in the AE can share information across multiple platforms. And participating vendors know they can continue to build upon their competitive advantages through proprietary features, while being responsive to their customers by sharing information with other vendors' systems.

Due to the interoperable, consistent, and repeatable "plug n' play" nature of the Analysis Exchange Model 1.0, vendors are better able to compete for acquisitions more efficiently using fewer resources, resulting in a savings of time and money. This allows industry to build better, more cost–effective solutions and provides the government with access to more responsive, cost–saving tools to achieve their missions. Additional benefits of the AE include the breakdown of data silos that multiple analytic tools typically create, allowing member companies to adopt consistent standards more quickly and cost effectively.

Analysis Exchange Website

Analysis Exchange technical resources are hosted on GitHub: https://analytic–roundtable.github.io/

Technical Documents

Please refer to these technical documents hosted on our GitHub site for information on installing, using and adapting Analysis Exchange 1.0.

- Ontology Development Guide for Analysis Exchange 1.0
- Adapter Development Guide for Analysis Exchange 1.0
- Upper Ontology Guide for Analysis Exchange 1.0
- Domain Ontology Guide for Analysis Exchange 1.0
- User and Installation Guides for the reference implementation of the Analysis Exchange 1.0

Demonstration & Reference Software

The Analysis Exchange is best experienced through one of the developed use cases. Each use case has been staged to represent realistic analytic problems using a variety of data sets and solutions to illustrate the challenges of domain terminology, tool and semantic integration, and data transformation. These use cases are hosted on GitHub in the "Use Case" section of the site:

- **Fraud, Waste and Abuse** – analyzing travel vouchers for potential fraud
- **Threat Assessment** – assessing public domain data for regions with security concerns
- **Cyber Forensics** – supporting cyber investigations

Interested in Learning More About the Roundtable?

The Analytic Technology Industry Roundtable meets monthly at The MITRE Corporation in McLean, VA. As a private, not–for–profit corporation that operates federally funded research and development centers, MITRE provides the Roundtable with a neutral environment, guidance, and structure. For more information or to learn about government engagement opportunities with the Roundtable, contact Director and Chair Dr. Angela O'Hanlon, email: amcintee@mitre.org. Or visit the Analytic Technology Industry Roundtable at: http://www2.mitre.org/public/analytic–technology/exchange.html.

Analytic Technology™ Industry Roundtable