

Case Study Track

Wednesday, July 13 | 10:45am – 11:20am | Case Study 1

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The Enterprise Information Web: Semantically-enabled Enterprise Analytics

Semantic technologies have the potential to greatly improve the way the US Dept. of Defense (DoD) does business by providing rich enterprise analytic capabilities. Describing our business and information environments and the relationships between them utilizing semantic technology standards will provide DoD a foundational model necessary to build a powerful set of cross-domain analytic capabilities. This presentation provides a case study of how the DoD Enterprise Information Web (DoD EIW) is implementing an agile approach in developing semantically-enabled analytic capabilities in a matter of weeks. These capabilities include policy compliance, gap analysis, data lineage, operational analysis, data integration, portfolio management, and strategic performance analysis. This presentation will cover the following

- Clearly define the current problems surrounding the development of information models, particularly enterprise architectures, relational models and the 'Big Bang' development methodology
- Provide a demo of the current DoD EIW analytic capabilities achieved through the agile development approach
- Provide a case study of effectively establishing an environment suited for distributed agile development to meet the needs of global organizations
- Outline EIW's agile development methodology

Jonathan Underly

Mr. Underly is currently the program manager of the DoD EIW program, an effort to connect disparate data sources in DoD Business Domain by applying Semantic Web technology to achieve Enterprise Analytics and Business Intelligence goals. With 18 years of experience applying technology solutions to business problems, Mr. Underly has worked on enterprise solutions for some of the world's largest organizations including the Department of Veterans Affairs and Department of Defense. The solutions have spanned case management, ERPs, Enterprise Architecture, Enterprise Data, and Enterprise Integration. His most recent work has been applying Semantic Web technology to Business Intelligence & Analytics to improve information visibility and business performance.