

DoDAF Distilled with SysML Workshop Course Summary

Description

Accelerate your DoDAF project with this intense, interactive workshop that emphasizes pragmatic modeling principles and techniques. This workshop features SysML as the architecture description language for DoDAF and offers optional tool training. This interactive modeling workshop explains the basic principles and best practices for modeling systems with DoDAF and SysML. SysML (Systems Modeling Language) is a dialect of the Unified Modeling Language (UML) that is customized for systems engineering applications, and is used as an architecture description language for DoDAF. The hands-on workshop shows you how to construct a well-formed system model with SysML and organize it using DoDAF compliant product views.

Objectives

At the end of this course, students will be able to:

- Understand what DoDAF is and why do we model architectures with frameworks?
- Use DoDAF's essential and supporting products for specifying architectures
- Understand how SysML can be used as Architecture Description Language for DoDAF
- Understand how DoDAF + SysML can specify large, complex systems
- Understand how DoDAF + SysML can specify artifacts for the full system lifecycle: requirements through testing
- Reduce the complexity of mapping SysML diagrams to DoDAF views
- Set practical guidelines for specifying correct, clear, concise and consistent DoDAF specifications
- Select DoDAF tools and methods [optional]
- Understand how to architect a DoDAF compliant system using a selected DoDAF/SysML tool [optional]
- Learn more about DoDAF modeling

Audience

This course is designed for system engineers, system architects, project managers, and others who want to learn how to improve how they specify system models and architectures will benefit from this workshop.

Prerequisites

Students should have systems engineering experience in building large, complex systems. No prior knowledge of SysML or DoDAF is required for this workshop.

Duration

Four days