



Course 321: Understanding Model Driven Architecture (2 days)

Course Description...

The OMG Model Driven Architecture™ addresses the complete life cycle of designing, deploying, integrating, and managing applications as well as data using open standards. This course presents an overview to the concepts and principles of MDA.

Learning Objectives...

- Understand the basic concepts of the MDA.
- Introduce the components of MDA.
- Demonstrate the application of MDA to a business problem.

Who should attend...

Project managers, IT management, systems designers, systems analysts, system and software architects.

Prerequisites...

A good general knowledge of Information Technology concepts and object-oriented technology.



Course Outline...

Introduction and Overview

Course Objectives

Unit 1: What Is the MDA?

Unit Objectives

Overview

- OMG specifications
- Leveraging existing specifications
 - CORBA
 - UML
- Goals of the MDA

Basic Concepts

- System
- Model
- Architecture
- Platforms and applications
- MDA viewpoints
- Model transformation

MDA and Standards

Unit 2: Components of the MDA

Unit Objectives

Computation Independent Model (CIM)

Platform Independent Model (PIM)

Platform Model

Mapping

- Multiple deployment technologies

Unit 3: Creating the Model

Unit Objectives

Transformation

- Model transformation
- Model transformation approaches

Platform Specific Model (PSM)

- Model transformation approaches



Unit 4: Other MDA Capabilities

Using the MDA Pattern

MDA Facilities and Services

Integrating Legacy and COTS

Unit 5: Tools and Implementation

Vendor Support

Unit 6: The Bottom Line

Ideas to use

Where to go for more information