

MDA for Managers

Overview

This course provides an essential overview of the OMG's Model-Driven Architecture terminology, process, artifacts and project management implications. It has been designed with software development managers in mind. Accordingly, it highlights the benefits and challenges associated with deploying MDA techniques and tools. A recurring theme is recommended best practice.

What You Will Learn

By the end of the course, participants should feel confident answering the following questions:

- What problems does MDA aim to address?
- What are the key steps in the MDA process?
- What are the essential deliverables of the MDA process?
- What are the benefits of MDA adoption?
- What are the key differences between MDA projects and traditional projects?
- What are the resource profile implications for MDA projects?
- What are the key pitfalls to overcome on MDA projects?
- How do I measure progress during an MDA project?
- What metrics are relevant during MDA projects?
- How do I manage risks during MDA projects?
- What training and mentoring implications arise when moving to MDA?
- What is the Object Management Group's (OMG) role in MDA development?
- What role does the Unified Modelling Language (UML) have in the MDA process?
- How does Executable UML differ from UML, and why is it essential to effective MDA deployment?
- What are metamodels and when are they relevant?
- What role does the Meta-Object Facility (MOF) play in the MDA process?
- What are Computation Independent Models (CIMs)?
- What are Platform-Independent Models (PIMs), how are they constructed and used?
- What are Platform Models (PMs), how are they constructed and used?
- What is the MDA pattern?
- What is model marking, and why is it important?
- How are model mappings defined?
- What model mapping types exist?
- How role does Query View Transformation (QVT) play in model transformation?
- What is involved in model transformation?
- What are Platform-Specific Models (PSMs) and how are they derived?
- What part does the XML Metadata Interchange (XMI) play in MDA adoption?
- What form do code generators take?

Who Should Attend

The course provides MDA essentials only and designed for those software development managers considering MDA deployment, and those associated with existing (or initiating) MDA projects.

Logistics

The course is presented as a series of short modules highlighting specific aspects of the MDA process, MDA deliverables and MDA project management. A demonstration of MDA automation is included. A Q&A session allows delegates to seek clarification on any topic covered during the day, and to explore future directions for MDA..

Date Year 2008 - Monday 19th May (week 21), Monday 20th Oct (week 43).

Duration - 1 days.

Price per Delegate - €675 Euros

Delegates - The course is limited to 20 persons per course.

Prerequisites - Participants will normally be graduates in a computing-related discipline or have equivalent industrial experience, and must therefore have practical knowledge of software construction techniques.

Training Material - All course material is included in the training fee.