

SSINT102- UML modeling with Enterprise Architect – 1

Overview

This course introduces Enterprise Architect to software engineers who are new to Enterprise Architect. It covers the most commonly used UML diagrams used in software projects design and modeling. The course is specifically focussed on using Enterprise Architect to create commonly used UML models.

Duration	2 days
Prerequisites	No exposure to Enterprise Architect is required. Understanding of software development and SDLC.
Infrastructure	For effective training, the minimum expected infrastructure are <ul style="list-style-type: none"> ➤ Training room with a projector ➤ Whiteboard or flipchart. ➤ Practitioners will require access to a PC or laptop with Enterprise Architect installed. ➤ Fully functional trial version can be downloaded from http://sparxsystems.in/ea-free-trial
Delivery	Combination of theory and practical sessions to allow participants to apply the learning and become comfortable with the tool.
Reference Material	Each practitioner in the team will receive the course slides and a comprehensive reference material on the topics covered.
Certificate	Each practitioner will receive a certificate from Sparx Systems

Introduction to Enterprise Architect
Create project models in Enterprise Architect
Creating Views in Enterprise Architect
Introduction to Packages In Enterprise Architect
Working with Diagrams in Enterprise Architect
Model Elements in Enterprise Architect
Workspace layouts in Enterprise Architect
Context Specific Diagram toolboxes in Enterprise Architect
Model structure in Project Browser
Properties and notes window
Remove model elements
Model elements search
Model views and diagram filters
Template Packages in Enterprise Architect
Introduction to UML diagrams in Enterprise Architect
4+1 View
Package Diagrams in Enterprise Architect
Create Package Diagrams
Package element

Nesting connector
Package Merge connector
Package Import
Organising a Package Diagram
Component Diagram using Enterprise Architect
Create Component Diagram
Component element
Component attributes
Component Operations
Component properties
Class element
Interface element
Object element
Port
Expose Interface element
Assembly connector
Delegate Connector
Organising Components in Component diagram
Class Diagrams in Enterprise Architect
Create Class Diagrams in Enterprise Architect
Class element
Attributes
Operations
Class properties
Class Diagram modeling
Association
Aggregation
Composition
Generalization
Organise the Class Model
Object Diagram using Enterprise Architect
Create Object Diagram
Object element
Collaboration element
Collaboration Use element
Information Item
Boundary element
Control element
Entity element
Organising an Object Diagram
Usecase Models using Enterprise Architect
Create usecase diagrams

Actors
UseCases
UseCase status
Organising UseCase model
UseCase scenarios
Generate activity diagrams
Generate testcases
Add usecase relationship
Activity Models using Enterprise Architect
Create activity diagrams
Action element
Control flow connector
Add Decision element and modeling parallel actions
Action pins
Swimlanes and Matrix
Sequence Diagrams in Enterprise Architect
Create Sequence diagrams
Lifeline
Message passing and sequencing
Actor
Boundary
Asynchronous message
Synchronous message
Create and Delete Objects
Fragment
UseCase realization
State Machine Diagrams in Enterprise Architect
Create state machine diagrams
Object
State
Transition
Events
Entry, Exit elements
Self-Transitions
Nested State
Document Generation using Enterprise Architect
RTF document generation
Customise RTF document templates
HTML document generation
Customise HTML document templates