

SSINT103 - UML modeling with Enterprise Architect - 2

Overview

This course deals with UML diagrams used for rigorous software modeling using Enterprise Architect. Software Engineers and Solution Architects interested to explore the fullest potential UML modeling in Enterprise Architect will benefit from this course. This also introduces UML Profile creation, Team based modeling, Baselines, Differencing and Merges, User Security, etc. in Enterprise Architect.

Duration	2 days
Prerequisites	SSINT102 Understanding of basic UML, Using Enterprise Architect for basic modeling, Software development Concepts 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

Composite Structure Diagram using Enterprise Architect
Create Composite Structure diagram
Class element
Interface element
Part element
Port element
Collaboration
Collaboration Use element
Expose Interface element
Connector
Assembly connector
Delegate connector
Role Binding
Represents connector
Occurrence connector
Deployment diagram using Enterprise Architect
Create Deployment diagram
Node element

Device element
Execution environment element
Component element
Interface element
Artifact element
Deployment Specification element
Package element
Communication Path connector
Association Class connector
Generalization connector
Realize connector
Deployment connector
Manifest connector
Nesting connector
Communication diagrams in Enterprise Architect
Create Communication diagrams
Actor
Boundary
Message passing and sequencing
Asynchronous message
Synchronous message
Object
Timing Diagram
Interaction Overview Diagrams in Enterprise Architect
Create Interaction Overview Diagrams in Enterprise Architect
Initial element
Final element
Decision element
Fork/Join element
Control flow connector
Object Flow connector
- Inserting sequence diagrams
- Diagram Frame
- Interaction Occurrence
- Hyperlink
Facilitating Team based modeling in Enterprise Architect
Team Review
Model Mail
Personal Tasks Window
- Allocated Work
- Project Tasks
- Working sets

- Workflow
Model Views
Baselines, Differencing and Merges
- Baselines
- Differencing and Merges
Replication
Package Control
Version Controlling in Enterprise Architect
Interchanging Data between .eap Files and DBMS Repositories
Reference Data Import Export
Security
- Manage Users
- Manage Groups
- Manage Locks
- Require User Lock to Edit
- Manage My Locks
- Login as Another User
- Change Password
Stereotypes And Tagged Values
Tagged Values in Enterprise Architect
- Creating Custom Tagged Values in Enterprise Architect
Stereotypes in Enterprise Architect
- Shape scripts for stereotypes
Defining Profiles in Enterprise Architect
Profiles
- Create Profile elements
- Create a toolbox profile
- Create a diagram profile
- Generate and test MDG technology