

SAP WEBDYNPRO-ABAP Course Content

Introduction to SAP WEBDYNPRO-ABAP Course Concepts:

WebDynpro Framework / Architecture

- ❖ WebDynpro Introduction
- ❖ WD4J Vs WD4A
- ❖ Component Architecture
- ❖ Component Entities
- ❖ Views / Windows / Interface Views /
- ❖ Component Controller / Application
- ❖ Relation b/w Component Entities
- ❖ Data Binding
- ❖ Plugs at View level and Plugs at Window Level
- ❖ Inbound Plugs / Outbound Plugs
- ❖ Navigation Link
- ❖ View Assembly / Nested Views / Navigation b/w views
- ❖ Default View in a Component
- ❖ Multiple windows
- ❖ Context Mapping
- ❖ Internal Context Mapping / External Context Mapping
- ❖ WebDynpro Application /
- ❖ Creation of Multiple Applications
- ❖ Application Execution Cycle
- ❖ URL Parameters
- ❖ FQDN Settings
- ❖ Faceless Components
- ❖ Service maintenance

WebDynpro Controllers

- ❖ View controller
- ❖ Window Controller
- ❖ Component Controller
- ❖ Interface Controller
- ❖ Custom Controller
- ❖ Services of each Controller Hook Methods and
- ❖ Attributes of each
- ❖ Controller

WebDynpro ABAP Tools

- ❖ Webdynpro Code Wizard and its different options
- ❖ Layout Editor
- ❖ Working with Layouts

Different layouts

- ❖ Flow Layout / Grid Layout / Matrix Layout / Row Layout

UI Elements

- ❖ Caption / Page Header / Input Fields /
- ❖ Text Views / Text Edit /
- ❖ Check box / Radio Buttons / Buttons / Button Rows /
- ❖ Image / Table / Message Area / Group / Transparent
- ❖ Container / Tray / View Container UI Element / List Box /
- ❖ Drop down by Index / Drop down by key / Radio Button
- ❖ By Index / Radio ButtonByKey

Design Time Context

- ❖ Understanding the Meaning of Node and Element
- ❖ Working with multiple Nodes and/or Attributes
- ❖ Working with properties of Nodes and/or Attributes

Role of Data Binding

- ❖ Binding the UI elements to Nodes and/or Attributes

Kind of methods in Controllers

- ❖ Normal Methods
- ❖ Event Handler Methods
- ❖ Supply Functions

Working the Multiple Views

- ❖ Nested views (View with in a View)
- ❖ Navigation b/w Views
- ❖ Creation of Plugs – Inbound and Outbound Plugs
- ❖ Creation of Navigation Link
- ❖ Firing the Outbound Plugs
- ❖ Significance of the Inbound Plug EventHandlerMethod

Managing View Lifetime

- ❖ When Visible
- ❖ Framework Controlled

Creation of MIME objects

Role and Significance of Properties of the Node

- ❖ Cardinality
- ❖ Selection

Table Control

- ❖ Multiple of creating a Table
- ❖ Working with different table column cells
- ❖ Single row Selection
- ❖ Multi row Selection

Dynamic Programming

- ❖ Managing the UI element properties in runtime
- ❖ Binding the internal table to the Node
- ❖ Creation of elements under a Node in runtime
- ❖ Removing the elements under a Node in runtime

Data Transfer Techniques b/w the Views

Component Controller

- ❖ Significance of Component Controller
- ❖ Hook Methods and Attributes of Component Controller
- ❖ Context Mapping
- ❖ Used Controllers

Message Manager

- ❖ Generation of Messages
- ❖ Report Messages – Success / Warning / Error Messages
- ❖ Defining own Message Area
- ❖ Changing the message options in the WD application level
- ❖ Implementing Service Call (BAPI / RFC Calls)
- ❖ Calling the smart forms in a Application
- ❖ Implementing the Supply Function

Advanced Concepts in WebDynpro ABAP

Window Controller

- ❖ Window Plugs
- ❖ Significance of DEFAULT Plug
- ❖ Inbound Plugs of Window Controller
- ❖ Start Up Plug / Standard Plug / Resume Plug
- ❖ Outbound Plugs of Window Controller
- ❖ Exit Plug / Standard Plug / Suspend

Custom Controller

- ❖ Creation of Custom Controller
- ❖ Working with Custom Controller

Popup Windows

- ❖ Popup Messages
- ❖ Data Sharing b/w views and popup windows
- ❖ Internationalization
- ❖ OTR - Online Text Repository
- ❖ Concept of iViews and Integration into Portal (Theory)
- ❖ Portal Integration
- ❖ WebDynpro Application Configuration
- ❖ WebDynpro Application Personalization
- ❖ WebDynpro Component Configuration
- ❖ Tree Structure - Tree UI Element
- ❖ Implementing RoadMap UI element with 3 to 4 steps
- ❖ Role of Component Interface

Cross Component Programming

- ❖ Component Usage
- ❖ Sharing the Context across the components
- ❖ Sharing the Views or Visibility across the components

Implementing ALVs

- ❖ Implementing ALV without configuration Model
- ❖ In the ALV View
- ❖ In the Separate View
- ❖ Implementing ALV with Configuration Model
- ❖ In the ALV View
- ❖ In the Separate View

Editable ALVs

- ❖ Totals / Subtotals in ALVs
- ❖ ALV with different Cell Editors (Link to Action, Buttons, etc.,)
- ❖ ALV with different Events (Hotspot, OnClick, etc.)
- ❖ Working with Select Options
- ❖ Enhancements in WebDynpro Components