

Highlights of Web Dynpro for Java in SAP NetWeaver Composition Environment 7.1

Applies to:

Web Dynpro for Java applications for the SAP NetWeaver Composition Environment 7.1

Summary

This article gives an overview on the new features and functions that are provided for Web Dynpro Java within CE.

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Author Bio

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Introduction

With SAP NetWeaver Composition Environment 7.1 a new version of Web Dynpro for Java is being delivered.

Main features are:

- The SAP NetWeaver Developer Studio (NWDS) is now based on **Eclipse 3.x** and provides new and enhanced tools.
- A lot of new UI elements and enhancements of existing UI elements such as **context menus**, **scrollable table** or UI elements to display and edit **formatted text**.
- Web Dynpro now supports **EJB 3.0** using the EJB model.
- Web Dynpro for Java supports core data types, based on UN/CEFACT **CCTS**
- The component architecture is enriched through the new **window controller**.

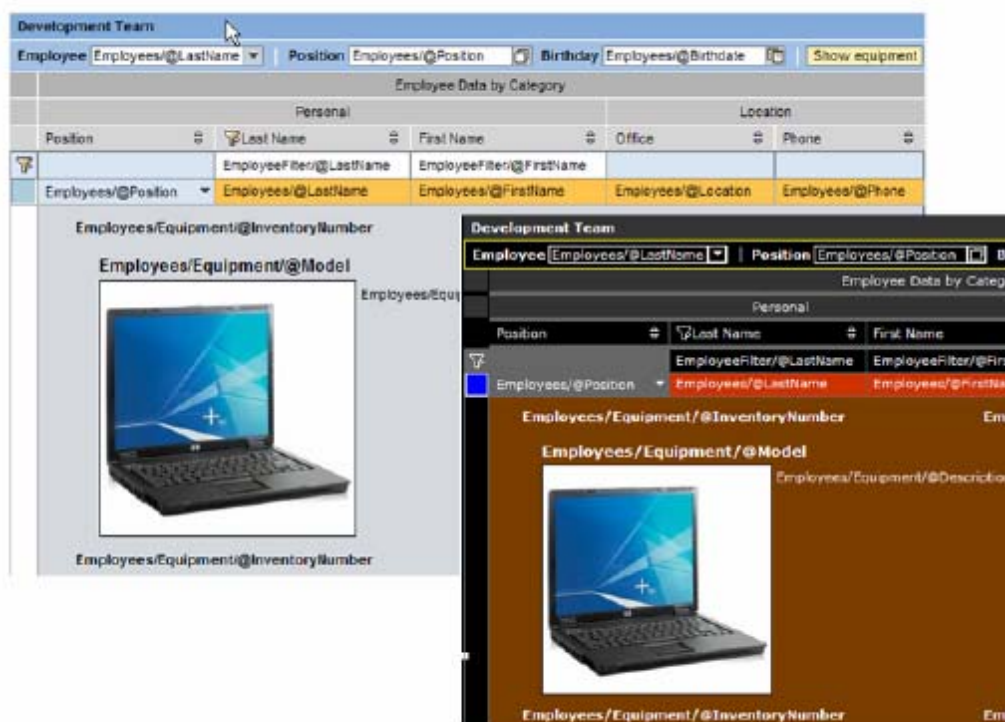
SAP NetWeaver Developer Studio

View Designer

The View Designer now supports true WYSIWYG.

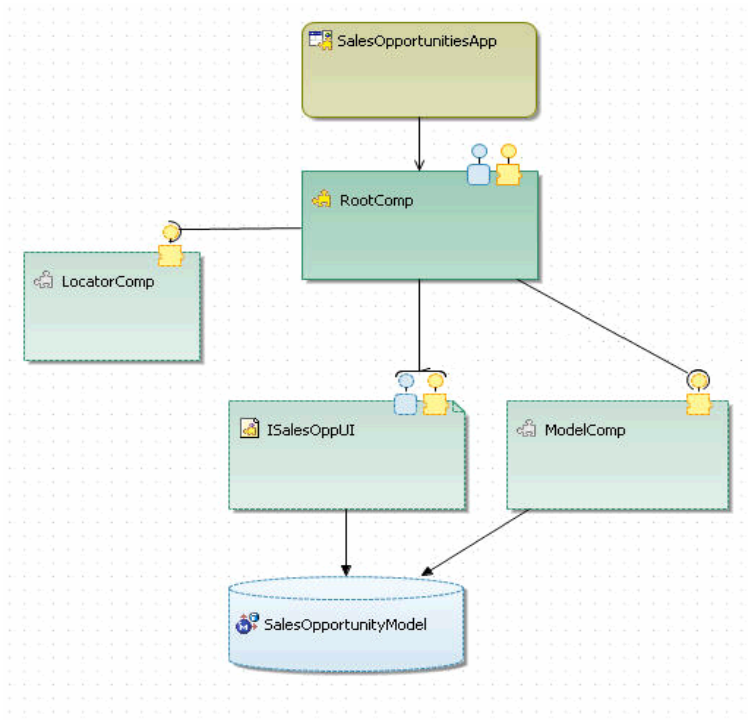
You can configure a preview in different browsers; select the depth of displayed context binding paths and display the chosen text direction (left-to-right, right-to-left).

It's also supported to display different themes during design time:



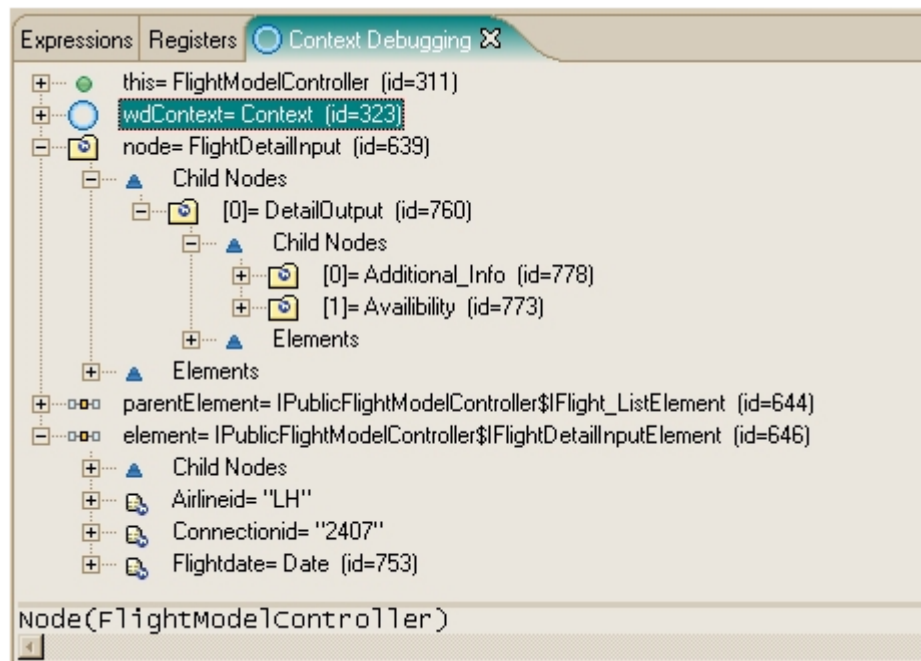
Component Modeler

The new Component Modeler is a graphical tool for creating and connecting Web Dynpro Components and Models. You now can define Component Usages by drawing links and overview the relations inside your projects.



Context Debugger

The context debugger allows browsing through context structures and on-the-fly changing of attribute's values. You can navigate from a selected context object in debugger to its design-time source in Context editor.

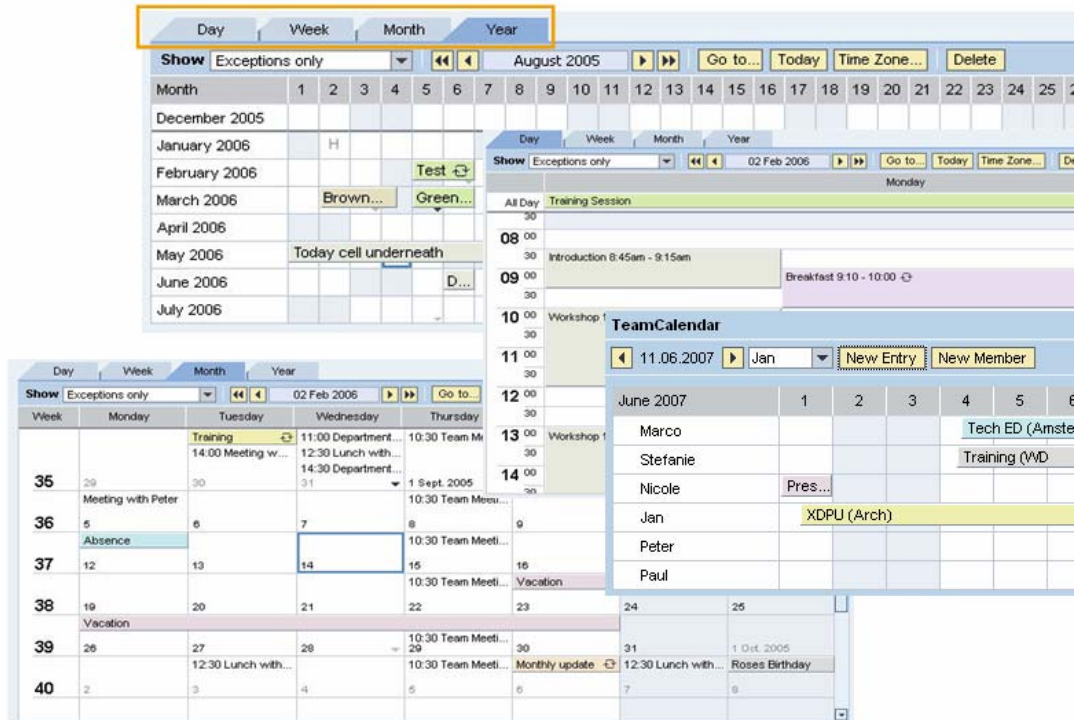


See also the Blog: [CE Web Dynpro News Part I: Debugging](#)

News on UI Elements

Calendar UI Elements

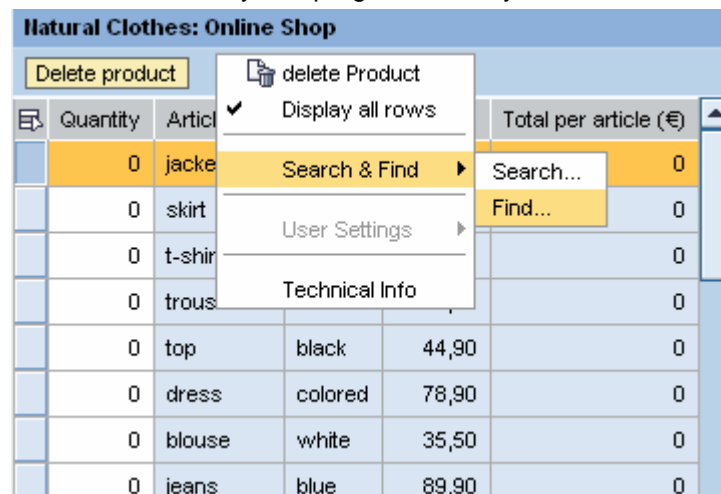
Developing calendars in Web Dynpro is supported for different perspectives: by year, month, week or day and additionally a calendar view that allows displaying entries for several team members.



There are new colors to define semantics for the entries and working times can be highlighted.

Context Menu

Within CE the right mouse click is enabled in Web Dynpro for Java. Context Menus can be defined declaratively and programmatically. Menus can be embedded in tables and trees.



Column Layout

The Column Layout is especially designed to define a content area combining several forms and tables that have to be aligned. This layout allows arranging the UI elements across component and view borders.

Table Enhancements

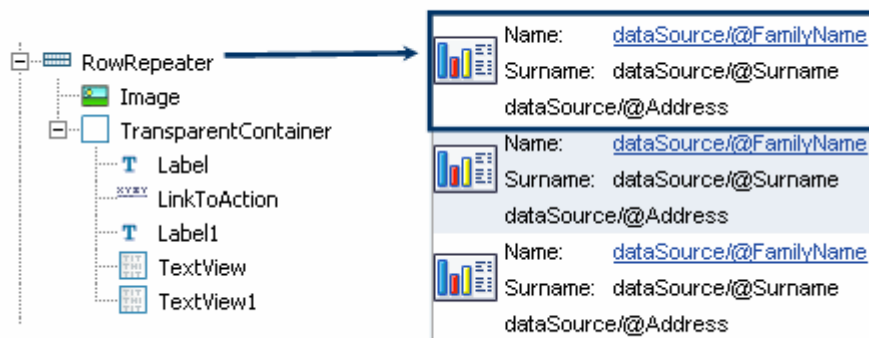
The table is now provided with a scroll bar, which allows you to provide scroll tips. The selection button provides the option to drag and drop selected rows.

Internal Messages (133)						
No.	Year	Short Text	Priority	Status	Entered	
▼ Very High (5)						
765653	2006	Java Web Dynpro pulldown on a Dat...	Very High	In Process	21.04.2006	
247159	2006	SPs08.KW13:UR InputTokenizer_TC v...	Very High	In Process	29.03.2006	
104760	2006	NW04 SP17 Firefox KW12 ToolbarBut...	Very High	New	23.03.2006	
37781	2006	SPs 08:KW 12:UR ItemListBox_TestC...	Very High	In Process	21.03.2006	
4259716	2005	ACC...				
▼ High (24)						
617686	2006	HTM...	High	In Process	12.04.2006	
390415	2006	Input...	High	In Process	04.04.2006	
173032	2006	ACC...				

Book1									
No.	Year	Short Text	Priority	Status	Entered	Reporter	Processor	Component	
▼ Very High (5)									
247159	2006	SPs08.KW13:UR InputTokenizer_TC validation not working	Very High	In Process	29.03.2006	GrijaBhargavi Murali	Georgios Origiadis	XX-INT-UR	
104760	2006	NW04 SP17 Firefox KW12 ToolbarButton imageFirst property	Very High	New	23.03.2006	Usha G	Martin Schaus	XX-INT-UR	
▼ High (24)									
617686	2006	HTMLB Radio button group alignment	High	In Process	12.04.2006	Tatyana Puritz	Tatyana Puritz	XX-INT-UR	
390415	2006	Input Tokenizer not ready for input in AP6 Patch1	High	In Process	04.04.2006	Werner Baechle	Werner Baechle	XX-INT-UR	

Row Repeater

You can display e. g. search results in repeated containers.



Formatted Text

Formatted Text is defined as a subset of XHTML that is enhanced with SAP specific tags.

There are two UI elements that you can use to display and/or edit formatted text:

- *FormattedTextView*
- *FormattedTextEdit*

With *FormattedTextEdit*, you can use the same formatting options as for *FormattedTextView*, but the user only can use a subset of it.

TextView

Lorem ipsum dolor sit amet: Consectetuer
elementum Leo quam tincidunt justo Eu
tristique acus mi sit amet ipsum



▶ FormattedTextView

Lorem ipsum dolor sit amet:
1. Consectetuer elementum
2. Leo quam tincidunt justo
Eu tristique acus mi sit amet ipsum

TextEdit

Lorem ipsum dolor sit amet: Consectetuer
elementum Leo quam tincidunt justo Eu
tristique acus mi sit amet ipsum

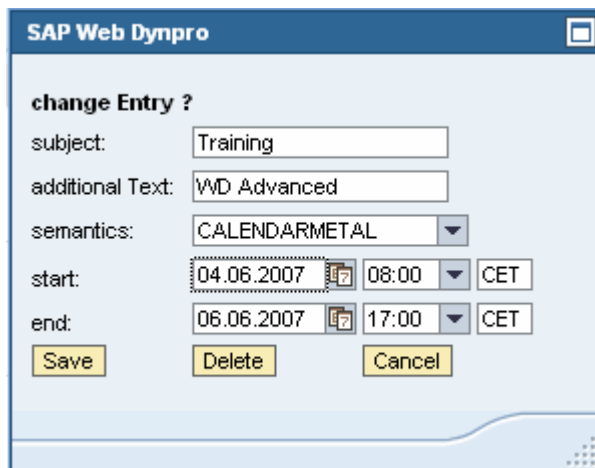


▶ FormattedTextEdit



New Popup Window

The visualization of Popup windows was new designed. It now includes a title bar, a maximize button and a footer area, where the window can be resized.



New Models

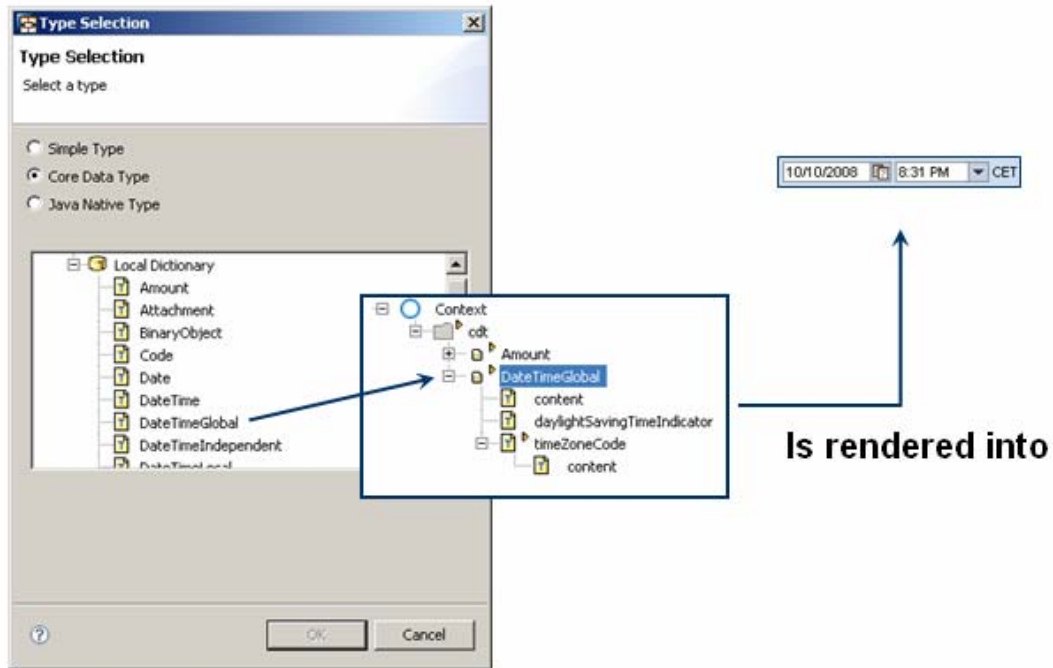
The new EJB Model is based on EJB 3.0. The model import for EJBs generates the typed model classes automatically.

The CE version of Web Dynpro for Java also includes the Adaptive Web Service Model, which allows separating developers' from administrators' tasks through logical destinations

CCTS Support

The ISO 15000-5 CCTS (Core Components Technical Specification) provides a methodology for semantic data modeling of data structures and message types on a syntax-independent level. SAP supports UN CCTS for defining the SAP Global Data Types (GDTs) as a basis of business objects and enterprise services in order to provide the highest level of semantic interoperability between SAP and non-SAP applications. The so-called complex SAP GDTs, which represent aggregated types, are comparable with CCTS aggregate business information entities. All leaf elements of these SAP GDTs are based on a specific predefined CDT.

In Web Dynpro **Core Data Types** (CDT) like *Amount*, *Code*, *Duration* or *Quantity* are supported. Context elements can be typed with CDTs and the UI elements will be rendered accordingly.



Window Controllers and Plugs

Based on the new Window plug concept Window controllers the navigation across component boards is simplified. You can define In- and Outbound Plugs on window level.

See also: [Controller and Interface Concept](#)

Related Content

Online Documentation on Web Dynpro in SAP NetWeaver Composition Environment:
[Developing User Interfaces with Web Dynpro for Java](#)

JavaDocs:

<https://help.sap.com/javadocs/nwce/current/index.html>

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