

What's New in SAP NetWeaver 7.3

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Composition Environment



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Icons in Body Text

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

Additional icons are used in SAP Library documentation to help you identify different types of information at a glance. For more information, see *Help on Help → General Information Classes and Information Classes for Business Information Warehouse* on the first page of any version of *SAP Library*.

Typographic Conventions

Type Style	Description
<i>Example text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation.
Example text	Emphasized words or phrases in body text, graphic titles, and table titles.
EXAMPLE TEXT	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example text	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example text	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

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Composition Environment

This document describes all new features, enhancements, and changes to Composition Environment in SAP NetWeaver 7.3 SPS01 compared to SAP NetWeaver Composition Environment 7.2 SPS02.

Information about new features, enhancements, and changes to Composition Environment for earlier Releases of SAP NetWeaver CE is provided in the corresponding Release notes:

- [What's New in SAP NetWeaver CE 7.1](#)
- [What's New in SAP NetWeaver CE 7.1 EHP1](#)
- [What's New in SAP NetWeaver CE 7.2](#)

Changes to Documentation

Change	More Information
The main documentation structures for previous shipments of SAP NetWeaver Composition Environment have been integrated into section <i>SAP NetWeaver Composition Environment</i> of the overall SAP NetWeaver Library.	SAP NetWeaver Composition Environment

Developer Studio (General Changes)

Feature	Type of Change	Description
Eclipse Platform	Changed	The version of the Eclipse platform was changed to Eclipse 3.5.



Java EE, Transactions and Resources, Java Dictionary

Feature	Type of Change	Description
Java EE Development Tools		
Java Scheduler: new job definitions wizard	New	The SAP NetWeaver Developer Studio provides a new tool for creating job definitions. For more information, see Creating Job Definitions .
JPA Diagram Editor	Enhanced	<ul style="list-style-type: none"> You can use the JPA Diagram Editor not only with DC projects, but with local projects as well. It is now possible to configure the JPA Diagram Editor globally and locally (per project). For more information, see Creating Data Models with the JPA Diagram Editor .
Documentation		
Project Management and Employee Services application	Changed	The Project Management and Employee Services application does no longer come predeployed on SAP NetWeaver AS Java. Instead, you can import the application from the SAP NetWeaver Developer Studio Welcome page. For more information, see Project Management and Employee Services Application .
SAP NetWeaver Administrator		
EJB modules administration	Enhanced	You can now manage annotated EJB references, environment entries, and resource adapter properties with the SAP NetWeaver Administrator enhanced tool for administering EJB modules. For more information, see Viewing and Editing EJB Modules .
DataSource aliases configuration	Enhanced	Two new optional configuration properties have been added to the DataSource aliases configuration tool of the SAP NetWeaver Administrator. The changes also apply for the data-source-aliases.dtd. For more information, see: <ul style="list-style-type: none"> Managing JDBC DataSource Aliases data-source-aliases.dtd
Resource adapters configuration	Enhanced	For more information, see Managing Resource Adapters .

JMS server configuration	Changed	The procedure of configuring the JMS server via the SAP NetWeaver Administrator has changed. For more information, see Managing JMS Server Configuration .
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Web Dynpro Java

Web Dynpro Java Runtime		
Stateless Applications	New	You can develop stateless applications that do not retain a significant session state on the server in between request processing. Instead, you can develop your application in a way that session data can be stored on the client side within the URL or hidden within a view. The default stateful application mode in Web Dynpro remains unaffected. More information: Stateless Web Dynpro Applications
Asynchronous Views	New	The asynchronous mode for view processing is supported. A typical use case is the integration of an application with high data volume. Users can interact with the main application while the integral asynchronous part processes large data amounts. More information: Asynchronous Views
Window	Enhanced	Using the interface with the void setTitle(String title) title method, you can define titles for a window application unit. More information is available in the online help of SAP NetWeaver Developer Studio: ▶ <i>SAP NetWeaver Developer Studio Documentation</i> → <i>API Reference Webdynpro Runtime</i> → <i>com.sap.tc.webdynpro.progmodel.api</i> ↩
Controller Events	Changed	The interface for dynamic subscription to controller events has changed. The new methods process generated constants instead of Web Dynpro runtime repository objects. The types of constants are IWDEventId and IWDEventHandlerId. The new methods are under IWDComponent and IWDComponentUsage. The former methods are still functional but now marked as deprecated. More information is available in the online help of SAP NetWeaver Developer Studio: ▶ <i>SAP NetWeaver Developer Studio Documentation</i> → <i>API Reference</i> → <i>Webdynpro Runtime</i> → <i>com.sap.tc.webdynpro.progmodel.api</i> . ↩

Support of Core Component Types (CCTS)	New	CCTS presents a methodology for developing semantic building blocks that represent the general types of business data. The Core Data Types Amount, Date, DateTime, Duration, Identifier, Name, Value, Measure, Numeric, Quantity, Percentage, Ratio, Time, and URI are represented by the UI element InputField. More information: Displaying and Formatting Core Data Types
Extensibility		
Component Usage	New	You can replace a pre-defined component with a new one by changing the component usage. More information: Dynamic Component Usage
Personalization		
Personalization Persistence API (P13N)	New	Application developers can configure the personalization persistence. For this, the API provides URL parameters and application properties. More information: Personalization Persistence API (P13N)
User Interface Elements		
Accordion	New	End users are able to display a vertically stacked list of items where the items can be expanded or stretched (AccordionItem and MultiAccordionItem). More information: Accordion , AccordionItem
AnalyticsChart	Enhanced	The new element properties axisOrientation, dataSeriesAxisMinorTicksSecondary, dataSeriesAxisTitleSecondary, dataSeriesAxisUnitSecondary enhance the parameter set for chart design. More information: AnalyticsChart
Calendar	Enhanced	The UI element has been enhanced with display options such as CalendarMonthView. More information: Calendar
Drag&Drop	New	End users can move or copy texts or graphics from one screen area to another. More information: Implementing Drag & Drop
Explanation	New	Provides a multi-line help text for the entire screen, or for a defined screen area. More information: Explanation
FlashIsland	New	For multimedia applications, you can use Shockwave Flash Files of type .swf for your user interface design. Requirements are the Adobe Flex Builder version 2 or 3, the Adobe Flash Player version 9 Update 3, and the Flash Island Flex library. More information: FlashIsland
FormattedTextEdit	New	A FormattedTextEdit UI Element represents an edit box for formatted text. More information: Displaying and Editing Formatted Text

FormattedTextView	New	Displays text that can contain formatting commands defined in XML syntax. More information: Displaying and Editing Formatted Text
IFrame	Enhanced	The element is undeprecated and additionally provides the new properties <code>postParameters</code> (contains parameter as URL encoded string), <code>lifeCycle</code> (for applications using Lightspeed rendering), and <code>supportsResizing</code> (for automatic adjustments). More information: IFrame
InputTokenizer	New	This element enables end users to enter values that are not yet part of the value set. Furthermore, filtering on client side is supported. More information: InputTokenizer
MeltingGroup	New	The UI element supports horizontal arrangement of other UI elements. The UI element is typically used to place a combination of input field and text view into a single cell of a column layout's grid. More information: MeltingGroup
SectionHeader	New	Allows you to standardize the header levels of all sections of the Web Dynpro user interface. More information: SectionHeader
Shuttle	New	You can now enable end users to add or remove items, or to move them up or down. More information: Shuttle
SilverlightIsland	New	Using the user interface element, you can develop Web media applications with video and audio file integration, applications containing vector-based graphics, and highly interactive applications with very fast response times. More information: SilverlightIsland
Splitter	New	Using this element, horizontal or vertical screen separation is possible. Area sizes can be changed by pulling the divider. More information: Splitter
Table	Enhanced	The table feature set has been enhanced with features and functions, such as table row grouping providing a two level hierarchy for displaying groups, a level for group data, or the ColumnLayout. This layout mechanism arranges content in common grids consisting of a fixed column number and a variable row number. More information: Implementing Tables , Choosing the Layout
ToolBar	Enhanced	The UI element has been enhanced with several functions such as, for example, a <code>ToolBarButton</code> that performs automatic spacing, depending on the item type; you only need to place separators between the item groups. More information: ToolBar
WebWidget	New	Using this element, you can embed pieces of custom HTML or JavaScript code into views. More information: WebWidget

Context Menus for UI Elements	New	You can provide context menus, bound to business objects, to the end user. These menus contain context-specific options that depend on the application status. More information: Implementing Menus: ContextMenu, MenuBar and PopupMenu
Web Dynpro Java Tools		
Project Consistency Checks	Enhanced	Checks are triggered whenever a deployable archive is created, a Web Dynpro project is deployed, or a Web Dynpro application is started. Consistency is checked between the source version, the build binary version, and the locally deployed version of the project archive. More information: Checking Project Consistency
Memory Analysis	New	You can choose between three analysis levels to check memory usage for applications. Make settings for the Project Handling preferences for Web Dynpro accordingly. The result of the analysis is displayed in the status bar of the Web Dynpro perspective then. More information: Developer Studio Settings
Classic Mode	New	By setting the classic or the non-classic mode, you can influence the scope of the Execution Modeler, for example. The Web Dynpro Explorer structure is adapted accordingly. The settings are performed under ► Preferences → General → Capabilities. ◀ More information: Developer Studio Settings
Message Hiding	New	To reduce the amount of displayed messages, you can hide default warning messages. More information: Hiding Default Messages in the Problem List
Execution Modeler	New	The new tool provides graphical support for service chaining and navigation flow modeling definitions. More information: Developing a Web Dynpro Application Using the Execution Modeler
View Preview	New	You can test newly created or changed view designs in a browser window from within the design-time environment. More information: Checking View Design
Templates		
View Templates	Enhanced	Using the Query and Response Template, you get wizard support for comfortable method definitions. At runtime, custom controllers, view contexts, and model controllers are generated, and their references and updates included. Tables are automatically created containing the relevant model data. More information: Using Templates in Web Dynpro

Component Template	New	The template supports you during the creation process of components that are developed for visualizations and changes of Enterprise Content Management (ECM) repository contents. Two views are automatically generated: One view with predefined areas and functions for file uploads and downloads, the other one with a user interface and context for changing and storing document properties. More information: Using Templates in Web Dynpro
Snippets	New	There are new configurable code pieces for common UI definitions such as modal windows, confirmation dialogs, or configurable drop down boxes available. More information: Web Dynpro User Interface Snippets
Models		
Adaptive Remote Function Call Model	Changed	The former aRFC model has been replaced with the aRFC2 model. More information: Importing Adaptive Remote Function Call (RFC2) Models
Model Re-Imports	New	For the aRFC2 Model and for the Adaptive Web Service Model, you get tool support for model re-imports. More information: Re-importing Adaptive Web Service Models
Installation		
Tools Installation	Changed	With the Developer Studio download, you get the platform zip file containing the plugins com.sap.netweaver.developerstudio.ce.platform, org.eclipse.equinox.p2.user.ui, com.sap.netweaver.developerstudio, org.eclipse.help, org.eclipse.platform, org.eclipse.rcp which you install and for which you can then individually download the additional plugins and features you require for your development needs. For more information, see the <i>Installation and Update Guide for SAP NetWeaver Developer Studio 7.3</i> in SAP Service Marketplace
Help		
Object Value Sector (OVS) Value Help	Enhanced	On an InputField element in a Web Dynpro view, OVS for applications that use the Adaptive Web Service Model or the Enterprise JavaBean Model is supported. More information: Providing Search Result Value Lists (OVS)
Developer Documentation	New	You can provide quick info and technical documentation for components, applications, views, context nodes, or methods. A quick info is a short documentation with 256 characters maximum where technical documentation provides a lot of space for detailed information. More information: Providing Documentation for Developers

Web Services

Feature	Type of Change	Description
<i>SAP NetWeaver Developer Studio (Design Time)</i>		
Search Console	Enhanced	<p>When you discover service interfaces on Solution Composer systems, you can save the information about these services in the local workspace for further reference. At a later stage, you can use the enterprise services in the Search Favorites directly instead of searching for the same services again.</p> <p>For more information, see Adding Service Interfaces and Operations to Search Favorites.</p>
Clients for Locally Provided Web Services	Enhanced	<p>When you create a Service Group for a Web service client, you can specify that the client and the Web services it uses would be deployed on the same system. After you deploy the client, the SAP NetWeaver system notices this information in the Service Group and automatically configures the necessary logical ports for the client. Thus the design-time configuration allows you to decrease the configuration efforts significantly, and simplifies the transport of the configuration information from one system to another.</p> <p>For more information, see Creating Clients for Locally Provided Services.</p>
<i>SAP NetWeaver Administrator (Runtime and Configuration)</i>		
Configuration of Groups of Web Service Clients	Enhanced	<p>The user interface has been simplified to ease the configuration activities.</p> <p>For more information, see Configuring Groups of Web Service Clients.</p>
Establishing Connections to Provider Systems	Enhanced	<p>The user interface has been simplified to ease the configuration activities.</p> <p>For more information, see Creating Connections to Provider Systems.</p>



Development Infrastructure

SAP NetWeaver Development Infrastructure (NWDI) is a capability of SAP NetWeaver that allows you to manage the development infrastructure-related parts of the software life cycle. You can easily develop applications using the NWDI tools and SAP's component model concepts. This section provides information about the new and enhanced features of NWDI.

Changes General for SAP NetWeaver Development Infrastructure

SAP Note with SC required for track setup	New	SAP Note was introduced that describes the list of required SCs that you need to have in your track, if you want to perform a concrete type of development in it. For more information, see SAP Note 1457908 .
Javadoc generation	New	You can now generate Javadoc out of development component binaries. For more information, see Generating Javadoc .
Adding JUnit tests to a development component	New	You can now include JUnit tests to be automatically executed upon building a development component. For more information, see Adding JUnit Tests to a Development Component .

Changes in Design Time Repository (DTR)

E-mail notification for DTR	New	You can configure e-mail notifications to be sent upon occurrence of different events in DTR. For more information, see Enabling E-Mail Notifications for DTR Collisions .
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Changes in Component Build Service (CBS)

E-mail notification for CBS	New	You can configure e-mail notifications to be sent when different events occur in CBS. For more information, see Enabling E-Mail Notifications for CBS Build Spaces .
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Composition

Composite Designer Perspective

The following topic provides information about the Composite Designer perspective and also about the Extensibility Configuration Framework that is integrated in it. The Composite Designer perspective acts as a central entry point for modeling and assembling composite applications.

New and Enhanced Features

Feature	Type of Change	Description
Enhanced Support of Relation Types	Enhanced	New relation check and deletion is available for some relation types. For more information, see SAP Note 0001357187 .

Enterprise Services Repository

This section describes all new features, enhancements, and changes in the Enterprise Services Repository.

Changes in the Enterprise Services Builder

Feature	Type of Change	Description
Authorizations	New	You can define basic and advanced authorizations to users using the new authorization editor. Basic authorization allows you to assign simple actions such as read, write, delete, and so on, to users. However, if you want to assign granular permissions, you use the advanced authorizations. For more information, see Authorizations .
Subscribing for objects	New	In the ES Builder, you subscribe to an interface object if you want to receive e-mail notifications of changes made to the object. You receive notifications when an interface object is modified or deleted. For service interfaces, you can also choose to receive notifications when you classify or publish a service interface. For more information, see Managing Subscriptions .

Changes in SAP NetWeaver Developer Studio

Creating service interfaces	New	Starting with SAP NetWeaver 7.3, you can create some interface objects in the SAP NetWeaver Developer Studio. You can create service interfaces, data types, and message types using the <i>Enterprise Services Browser</i> view. For more information, see Creating a Service Interface and Creating a Freestyle Data Type .
Change list	New	You can activate or reject changes made to objects using a change list. For more information, see Working with a Change List .
Subscribing to objects	New	In the <i>Enterprise Services Browser</i> , you subscribe to an interface object if you want to receive e-mail notifications of changes made to the object. You receive notifications when an interface object is modified or deleted. For service interfaces, you can also choose to receive notifications when you classify or publish a service interface. For more information, see Managing Subscriptions .
Defining attribute definitions	New	You can extend the existing interface objects by assigning additional attributes to them. You assign attribute to interface objects by defining the custom attribute definitions. For more information, see Creating Attribute Definitions .

Other

ES Repository web-browser	New	Apart from the ES Builder and SAP NetWeaver Developer Studio, you can also access the contents of the ES Repository by using the web-browser view. This view enables you to access objects in the repository in a Web-browser, without launching either of the tools. For more information, see Working with ES Repository Web-Browser .
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Business Process Management

This section describes all new features, enhancements, and changes for Business Process Management.

Process Composer

Feature	Type of Change	Description
BPM - WD ABAP Integration	New	The UI assigned to a task allows the user to access and execute that task. You can assign a Web Dynpro ABAP (WDA) CHIP to a task. For more information, see Assigning a User Interface to a Task .
Accessibility	New	You can create data mappings, expressions, and functions using the keyboard only. For more information, see Keyboard Navigation in the Function Wizard and Editor and Keyboard Navigation in the Mapping and Expression Editors .

Process Desk

Feature	Type of Change	Description
Public APIs	New	With the Business Process Management (BPM) application programming interfaces (APIs), you can customize and enhance the way you use business processes and execute tasks. For more information, see Working with the BPM APIs .

Configuration

Feature	Type of Change	Description
Business Log Level	New	You can monitor and analyze business events of Business Process Management using the business logs. You can configure log levels that could help you control the amount of data written to the business log. For more information, see Configuring Business Log Levels .



Business Rules Management

This section describes all new features, enhancements, and changes for Business Rules Management.

Rules Composer

Feature	Type of Change	Description
Creating a reusable rule set in Rules Composer	New	You can create a reusable ruleset whose entities can be reused across other rulesets within the same project in the Rules Composer Development Component (DC). This allows you to reduce redundancy and maintenance effort of rule entities in the project. For more information, see Creating a Reusable Ruleset .
Decision table as a Web service	New	You can now execute business rules independently from any system by exposing a decision table of a reusable ruleset as a Web service. For more information, see Exposing a Decision Table as a Web Service .
Other Action in a Decision Table	New	You can now specify multiple actions for a condition in a decision table. For more information, see .
Execution of test cases using test suite	New	You can now execute multiple test cases simultaneously for a ruleset and view the test report. For more information, see Running Multiple Test Cases Using Test Suite .
Lean Rule Engine	New	Lean rules engine is a collection of java jar files, which can be embedded in any business application. In applications, it is used as POJO java libraries. For more information, see Understanding the Lean Rules Engine .

Rules Manager

Feature	Type of Change	Description
Integration with Microsoft Excel	New	You can export data from a decision table to Microsoft Excel, make the changes and import it back into a decision table of a project. This allows you to easily distribute the data maintained in Microsoft Excel across business users for wider consumption of rules. For more information, see Adding Condition and Action Values .
Access different versions of a project	New	You can now work with any of the following project versions: <ul style="list-style-type: none"> • Active Version: This is the default version available in the rules engine • Latest Version: This contains the changes made to the project that requires activation of the version in the rules engine For more information, see Opening a Project .
Compare the versions of a ruleset	New	You can now compare the changes made to active version and the previous versions of the rulesets in a project through the legend that displays the latest changes on the <i>Rules Manager</i> view. For more information, see Comparing Versions .
Grouping or ungrouping conditions	New	You can now group conditions logically to create and execute business rules. You can reuse the conditions to create another rule by ungrouping the grouped conditions. For more information, see Adding Nested Conditions .
Show perspective view in a decision table	New	You can now easily locate action values corresponding to the selected condition value in a decision table. For more information, see Adding Condition and Action Values .

Rules Runtime

Feature	Type of Change	Description
Rules Business Logs Archiving	New	You can archive the rules business logs. For more information, see SAP Note 1530272.



Service Composition

Feature	Type of Change	Description
Simplifying Services	New	You can now simplify existing WSDL files. For more information, see Simplifying Services .
Integration with Composite Designer perspective	New	You can use the Composite Designer perspective to create new simplified or composed services. For more information, see: Composing Services with Service Composer Creating New Development Objects
You can import RFC back-end	New	For more information, see Composing Services .
Service Interface Editor	New	The Service Interface Editor (SIE) allows you to model and manage local WSDL and XSD files in a convenient and simple manner. The SIE avoids the complexity of customizing a back-end service by the standard interface editors and does not require profound Web service development knowledge. If you are an advanced user, you can edit the WSDL source code. As part of the SIE, you use the Data Types Editor (DTE) to create and edit data objects in the XSD file of the Web service. For more information, see Modeling Services with the Service Interface Editor .

Service Composer

Change	More Information
Updated information about preferences that can be configured when reimporting WSDL and XSD files. Added documentation about importing and reimporting XSD files.	Importing WSDL and XSD Files and Reimporting Modified WSDL and XSD Files



Composite Application Framework

Composite Application Framework (CAF) is a capability of SAP NetWeaver that allows you to easily develop composite applications. This section provides information about the new and enhanced features of CAF.

Feature	Type of Change	Description
Multiple CRUD operations are now possible.	Changed	For more information, see: <ul style="list-style-type: none"> • Modeling Application Service Operations • Modeling Business Object Operations • Defining Business Objects Operations
Business object nodes	New	The implementation of CAF application services and business objects is changed. Business objects nodes and application services now can be custom coded. For more information, see Customizing CAF Model with Own Implementation .
Application services	New	Application service operations can be mapped to external service operations. For more information, see Mapping Service Operations .
CAF application services are enabled for extensibility	New	The CAF applications can be enabled for extensibility. For more information, see Enabling CAF Application Services for Extensibility .
Transport content	Enhanced	You can transport CAF content between different composites. Now you can create deployable SDA files for deployment on another system, or create XML files with content that is relevant for translation. For more information, see Transporting CAF Content Between Different Applications .
Web Service Document Style	New	You can map the imported Web service to an application service operation that has output parameters of complex types.
Idempotency and reliable messaging	New	You can now import Web services that support idempotent operations. CAF also supports Web services with reliable messaging. For more information, see Importing Web Services .



This section includes the new features, enhancements and changes to the portal.

Changes in Documentation

Change	More Information
<p><i>Using SAP Business Packages in the Portal</i></p> <p>You can augment your portal content by adding predefined content by SAP business packages delivered with other products such as SAP Business Suite. These packages run on SAP NetWeaver Portal, and can access different back-end systems, such as SAP ERP or SAP CRM. Documentation has now been added to explain how to find the packages you need and how to download and use them on SAP NetWeaver Portal.</p>	<p>Using Business Packages on SAP NetWeaver Portal</p>



Content Administration

Feature	Type of Change	Description
Tabsets	New	<p>Administrators can define subsets of entry points, called tabsets, so that portal users only see a given group of entry points in top-level navigation. Portal users can then access these tabsets from the <i>View</i> menu in the header area, or choose to display all entry points.</p> <p>For more information, see Creating Tabsets.</p>
Analyzing Portal Content	New	<p>Content administrators can run a number of tests to make sure that design time objects do not potentially cause any problems at runtime and that they conform to a set of predefined content creation guidelines.</p> <p>For more information, see Analyzing Portal Content.</p>

Look and Feel

Feature	Type of Change	Description
Reorganization of Top-Level Navigation and Detailed Navigation Items	Changed	<p>SAP NetWeaver Portal has undergone a major reorganization of the items in the top-level navigation and detailed navigation in System Administration and Content Administration roles. Items have been moved, renamed, and removed.</p> <p>For details, see Reorganization of Top-Level Navigation and Detailed Navigation.</p>

Navigation


Feature	Type of Change	Description
Ajax Framework Page	New	<p>The <i>Ajax Framework Page</i> is the default framework page for all new SAP NetWeaver Portal installations. If you are upgrading from a previous version, the <i>Classic Framework Page</i> remains the default framework page.</p> <p>For more information, see Ajax Framework Page.</p>

System Administration

Feature	Type of Change	Description
Recording Changes to PCD Objects	New	<p>Change recording integrates the Portal Content Directory (PCD) with the Change and Transport System for Java (CTS+). The aim of change recording is the automatic dissemination of changes made to objects in the PCD to other systems in the landscape. This means that all PCD objects that are changed, whether they are created, modified, or deleted, are automatically added to a user changelist. Upon activation of the changelist, the objects are exported and distributed to other systems in the landscape using CTS+.</p> <p>For more information, see Managing Change Recording in the Portal.</p>

Opening Permissions Editor	New	You can now open the Permissions editor from the context menu of the top-level GPAL folders. To configure permissions of a GPAL folder, choose ► <i>Open</i> → <i>Permissions</i> ◀.
Adding Themes to a Portal Transport Package	Enhanced	You can now transport themes using a portal transport package.
Assigning Aliases in the System Landscape Overview	Enhanced	The system landscape overview enables the assigning of system aliases to systems and systems to system aliases. For more information, see System Landscape Overview .
Activity Data Collector	Enhanced	The activity data collector is now activated and configured in portal system administration pages, and not in SAP NetWeaver Administrator. For more information, see Activating and Configuring the Activity Data Collector .

Usability

Feature	Type of Change	Description
Favorites	New	<p>In the <i>Ajax Framework Page</i>, the <i>Favorites</i> menu displays items marked as favorites in the portal, as well as in Knowledge Management and other systems connected to the portal.</p> <p>Portal users can organize their favorites using a new interface accessed from the <i>Favorites</i> menu.</p> <p> Note</p> <p>The <i>Everyone</i> group must be assigned to the relevant role for this feature to be available to portal users at runtime.</p> <p>End of the note.</p> <p>For more information, see Adding and Organizing Favorites and Enabling the 'Organize Favorites' Dialog Box.</p>

Feature	Type of Change	Description
Portal Search	New	<p>Administrators can add a search field to the portal masthead. Portal users can use this search field to access different search providers, such as Enterprise Search and Knowledge Management search. The search providers and indexing mechanism are configured in a new interface in the <i>System Admin</i> role.</p> <p>For more information, see Searching in the Portal and Configuring Search Providers.</p>



Reorganization of Top-Level Navigation and Detailed Navigation

The following table lists the changes in the top-level navigation and in the detailed navigation items and paths:

Old Item Name	Change Type	New Item Name and/or Path
Theme Archive	New Name and Path	▶ <i>System Administration</i> → <i>Transport</i> → <i>Transport Themes</i> ◀
Theme Editor	New Path	▶ <i>Content Administration</i> → <i>Portal Display</i> → <i>Theme Editor</i> ◀
Framework Page Configuration	New Path	▶ <i>Content Administration</i> → <i>Portal Display</i> → <i>Framework Page Configuration</i> ◀
Portal Desktop Management	New Path	▶ <i>Content Administration</i> → <i>Portal Display</i> → <i>Portal Desktop Management</i> ◀
Desktops & Display Rules	New Path	▶ <i>System Administration</i> → <i>System Configuration</i> → <i>Portal Display</i> → <i>Desktops & Display Rules</i> ◀
ITS Theme Generator	New Path	▶ <i>Content Administration</i> → <i>Portal Display</i> → <i>Themes</i> → <i>ITS Theme Generator</i> ◀
Object Locking	New Path	▶ <i>System Administration</i> → <i>System Configuration</i> → <i>Object Locking</i> ◀
UME Configuration	New Path	▶ <i>System Administration</i> → <i>System Configuration</i> → <i>UME Configuration</i> ◀
Run Time	New Name	▶ <i>System Administration</i> → <i>System</i>

Old Item Name	Change Type	New Item Name and/or Path
Enhancements		<i>Configuration →Runtime Settings</i> ↩
Short URLs	New Path	▶ <i>System Administration →System Configuration →Runtime Settings →Short URLs</i> ↩
Navigation Cache	New Path	▶ <i>System Administration →System Configuration →Cache Management →Navigation Cache</i> ↩
OBN Cache	New Path	▶ <i>System Administration →System Configuration →Cache Management →OBN Cache</i> ↩
Web Dynpro Console	Removed (from System Administration role)	Item was deleted and not replaced by something else
Web Dynpro Content Administrator	Removed (from Content Administration role)	Item was deleted and not replaced by something else
Support Desk	Removed (from System Administration role)	Item was removed. Some support tools were also removed. Others were added to ▶ <i>System Administration →Support</i> ↩
Regional Setting	New Path	▶ <i>System Administration →System Configuration →Runtime Settings →Regional Setting</i> ↩
Content Model Management	New Path	▶ <i>System Administration →System Configuration →Content Model Management</i> ↩
Property Classification	New Path	▶ <i>System Administration →System Configuration →Content Model Management →Property Classification</i> ↩
Template Synchronization	New Path	▶ <i>System Administration →System Configuration →Content Model Management →Template Synchronization</i> ↩
Content Model Export	New Path	▶ <i>System Administration →System Configuration →Content Model Management →Content Model Export</i> ↩

Portal Display	Moved from System Administration role to Content Administration role	Some items in this workset were moved to ► <i>System Administration</i> → <i>System Configuration</i> ◀ and others were moved to ► <i>Content Administration</i> → <i>Portal Display</i> ◀
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Portal Application Development

Feature	Type of Change	Description
Customizing the Ajax Framework Page (AFP)	New	<p>Customizing the L-Shape for AFP:</p> <ul style="list-style-type: none"> • Navigation API: Controlling navigation in the portal • Collections API: Creating custom menus or links, displayed in the navigation iViews of the portal • History API: Accessing and manipulating the navigation history <p>For more information, see:</p> <ul style="list-style-type: none"> • Using the L-Shape API • Navigation API • Collections API • History API
Integrating External Search Providers	New	<p>An API is provided to extend search capabilities of the portal by integrating external search providers.</p> <p>For more information, see Integrating External Search.</p>
Integrating External Favorites	New	<p>An API is provided to extend portal Favorites by integrating favorites from various external sources.</p> <p>For more information, see Integrating External Favorites.</p>

Using Change Recording API	New	<p>The <code>IChangeRecordingInfo</code> API enables you to perform the following tasks:</p> <ul style="list-style-type: none"> • Check the change recording state of an object • Create a single change operation for a set of related operations. <p>For more information, see Recording Changes to PCM Objects.</p>
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Portal Interoperability

Integrating SAP Portal Content onto Other Portal Servers


Feature	Type of Change	Description
Setting Up Interoperability Between SAP and Third-Party Portals	New	<p>A new set of procedures has been added to the portal documentation outlining the tasks you follow to configure SAP portal content so that it can be integrated into content on non-SAP portals. The documentation covers creating the content, defining single sign-on, setting parameters to ensure smooth session management, and aligning the look-and-feel of the SAP portal content with that of the target portal.</p> <p>For more information, see Integrating SAP Portal Content onto Other Portal Servers.</p>

Implementing a Federated Portal Network (FPN)

Feature	Type of Change	Description
Addition of Consumer Capabilities	New	<p>In SAP NetWeaver Composition Platform (CE) releases prior to this release, the SAP NetWeaver CE systems could only function as a producer portal. With SAP NetWeaver 7.3, if you install usage type EP Core – Application Portal (EPC), you can now configure the portal also as a consumer of remote content from any remote producer portal running SAP NetWeaver 7.0, SAP NetWeaver CE 7.1, SAP NetWeaver CE 7.2, or SAP NetWeaver 7.3. You can also consumer WSRP content from any third-party portal that is WSRP-compliant.</p> <p>For more information, see:</p> <ul style="list-style-type: none"> • Managing FPN Connections • Consuming Content from Remote Producer Portals
New and Redesigned FPN Editors and Wizards	New and enhanced	<p>New and improved editors and wizards are now available in the FPN administration environment in the portal, which significantly improve productivity and reduce overall TCO for the remote role assignment and remote delta link usage modes:</p> <ul style="list-style-type: none"> • The Add an SAP NetWeaver Producer wizard from previous releases has been replaced by the new FPN Connection wizard. <p> Note</p> <p>If the local portal and the remote portal are both running SAP NetWeaver 7.3 with usage type EPC, both portals can as a producer and a consumer using the same FPN connection. In previous releases, such a setup required the creation of two separate FPN registration instances (initiated from each consumer).</p> <ul style="list-style-type: none"> • The new FPN Connection wizard now includes additional optional steps that allow you to fully configure an FPN connection without having to access several editors after the FPN connection has been created. The new steps in the wizard include options to

Feature	Type of Change	Description
		<p>configure trust between the systems, test the connectivity between the systems, and register the systems.</p> <ul style="list-style-type: none"> • A new FPN Trust tool allows you to set up one-way or two-trust between the systems in an FPN connection. • To facilitate the creation of FPN connections, you can now define your HTTP/HTTPS, RMI-P4, and external network connection settings once (in the FPN Control Panel), and then immediately reuse those settings in the FPN Connection wizard without having to enter them again. • As a result of the new FPN administration tools, the introduction of the FPN connection concept, and the separation of functionality of remote delta link and remote role assignment usage from WSRP application sharing usage, the entries in the <i>Detailed Navigation</i> pane in the <i>Federated Portal</i> workset have changed. <p>For more information, see Managing FPN Connections.</p>
Improved Producer Connection Tests for RRA and RDL Usage	New	<p>The existing Producer Connection test for federated portal networks has been enhanced. A system administrator on the consumer portal can now test the readiness and integrity of RRA and RDL configurations between the consumer and a remote producer. The tests can be run before consuming content or later if problems occur at runtime or design-time.</p> <p>The tests check various aspects of FPN configuration and functionality. If problems are detected, the test results provide relevant explanations and solutions, where possible.</p> <p>For more information, see:</p> <ul style="list-style-type: none"> • Testing Remote Role Assignment Integrity • Testing Remote Delta Link Integrity

<p>Adding Remote Delta Objects Directly to Roles, Worksets, and Pages</p>	<p>New</p>	<p>In previous releases, before a content administrator on a consumer portal could add a remote object as a delta link to a local page, workset, or role, the administrator had to first create a copy of a remote object in the local Portal Catalog (using the ► <i>Copy</i> → <i>Paste as Local Content</i> ◀ context menu action) of the consumer portal. Only then could the copied unit object in the local Portal Catalog be added to a page, workset, or role.</p> <p>Now, a content administrator on a consumer portal can add a remote object directly from a remote producer to a local page, workset, or role as a remote delta link, without having to first create a unit object in the local Portal Catalog.</p> <p>The previous method of copying using ► <i>Copy</i> → <i>Paste as Local Content</i> ◀ is still available.</p> <p>For more information, see Copying Remote Content.</p>
<p>Changed Location of Registration Password Configuration</p>	<p>Changed</p>	<p>You no longer define the registration password in the <code>AutoGenProducer1_0</code> service in SAP NetWeaver Administrator on the producer system. The previous <code>REGISTRATION_PASSWORD</code> property has been deprecated. You now define the registration password in the FPN Control Panel in the producer portal.</p> <p>For more information, see Setting a Registration Password.</p>
<p>Portal Services for FPN Moved to a New Application</p>	<p>Changed</p>	<p>The following portal services have been reassigned to a new application called <code>com.sap.portal.fpn.rdl</code>:</p> <ul style="list-style-type: none"> • <code>OriginalContentSynConsumerService</code> (originally in the <code>com.sap.portal.fpn.contentmanagement</code> application). This service allows an administrator from the consumer portal to set the automatic content synchronization interval of remote delta link objects and to set the cleanup interval of unresolved remote delta link objects in the consumer portal. • <code>FPNProducerService</code> (originally in the <code>com.sap.portal.fpn.designtime.services</code> application). This service allows an administrator to set the content invalidation

		<p>policy for remote delta link objects.</p> <p>The existing properties in each application remain the same as before and there is no change in functionality.</p> <p> Caution</p> <p>If you are upgrading from an earlier release and have changed the default value of any property in any of these applications, you need to copy their values and then, after upgrading to the new release, apply them manually to the same service in their new application.</p> <p>End of the caution.</p> <p>For more information, see:</p> <ul style="list-style-type: none"> • Configuring the Federated Portal Cache on the Consumer Portal (for <code>OriginalContentSynConsumerService</code>) • Setting the Content Invalidation Policy for Remote Delta Links (for <code>FPNProducerService</code>)
<p>Changes to Cache Lifetime Settings on the Consumer Portal</p>	<p>Changed</p>	<p>The following changes have been introduced:</p> <ul style="list-style-type: none"> • The <code>Cache Lifetime</code> value now accepts values in units of minutes; previously it was in seconds. • The <code>Cache Lifetime</code> setting now accepts the value 0 (zero) which can be used to disable the caching feature. <p>For more information, see Configuring the Federated Portal Cache on the Consumer Portal.</p>

Feature	Type of Change	Description
Logging Changes Using the AdminTraceabilityService API	New	<p>An application can explicitly log critical configuration changes using the <code>logChange</code> API in the <code>AdminTraceabilityService</code>. The information that is logged includes the severity level of the log entry, the ID of the changed object, the type of change, such as move or delete, and the user who made the change.</p> <p>For more information, see Logging Changes Using the AdminTraceabilityService.</p>
PCD Cache Release	New	<p>You can release all objects stored in the PCD (Portal Content Directory) caches.</p> <p>For more information, see Releasing Objects in PCD Cache.</p>
PCD Personalization Data Cleanup	New	<p>You can remove PCD (Portal Content Directory) personalization data for specific users or specific objects in your portal. Cleaning up personalization data may be necessary to solve problems that are related to a specific user or to a specific object in the portal.</p> <p>You can also remove all unused personalization data.</p> <p>For more information, see Removing PCD Personalization Data.</p>

Web Page Composer

This section describes the features, enhancements and changes for Web Page Composer (WPC).

Feature	Type of Change	Description
Web Page Composer	Enhanced	<p>Web Page Composer is a portal capability that enables portal users to easily create, manage, and publish portal content and pages that combine business applications, Web content, and static content.</p> <p>The improvements to this version of Web Page Composer include:</p> <ul style="list-style-type: none">• Enhanced flexibility for enriching portal pages with applications and user-generated, unstructured content such as articles, news, documents, and banners.• Increased usability and an intuitive authoring environment.• High quality of content through governance tools such as an approval workflow.• Integration with SAP NetWeaver Portal leveraging underlying UI services.• Advanced capabilities such as mashups, and scheduled publishing. <p>For more information, see Web Page Composer.</p>
Enabling Mashups	New	<p>Enhance your portal applications with mashup capabilities by enabling connections between iViews running on the same page.</p> <p>For more information, see Enabling Mashup Applications</p>

 **Visual Composer**

This section describes all new features, enhancements, and changes for SAP NetWeaver Visual Composer.

Lifecycle Management

Feature	Type of Change	Description
Model preview	New	<p>The Preview feature enables users to preview the changes they have made in design time without deploying their application, therefore reducing overall development time.</p> <p>In previous versions in order to view each change, the modeler had to deploy the entire application even to display small changes such as layout changes, which was very time consuming. Deployment of the application can take up to several minutes, and during the development process the modeler often changes the models (design and layout). Moreover, modelers that work on the same shared (source control) DC override each other's changes upon each deployment. Using this feature they would be able to test their changes without affecting other developers.</p> <p>Note: This feature is not intended to replace deployment. The application must be fully deployed for productive use and final assessment and testing purposes.</p>




Enterprise Content Management Integration (ECMI)

Function	Type of Change	Description
Defining the ECM repository assignment of an application	New	<p>For applications that access the integration layer of the ECM Infrastructure (ECMI), you can use the connected repositories to manage unstructured content. You can define the availability of the ECM repositories for an application as follows:</p> <ul style="list-style-type: none">• All repositories• Individual repositories (one or more)• No repository <p>You can define company-specific ECM repository assignments for each application.</p> <p>For more information, see Defining ECM Repository Assignment of an Application.</p>
Cleaning up data in the SAP ECM back-end system	New	<p>To make sure that the data in the SAP ECM repository is consistent, you can schedule a data cleanup job to check the entries in the file system and the database, and clean up redundant or inconsistent data.</p> <p>For more information, see Cleaning Up Data in the SAP ECM Back-End System.</p>



Identity Management

Security policy profiles	Enhanced	<p>Before this change there were three security policy profiles, termed “user types”: Default, Technical User, Internal Service User. A fourth profile, Unknown, is for ABAP user types that cannot be mapped to the previous three. Now you can create and save your own security policy profiles in addition to these default profiles and assign them to users.</p> <p> NOTE</p> <p>You must use the Web Dynpro-based user interface to change the security policy profile and not the JSP-based user interface.</p> <p>For more information, see Configuring the Security Policy for User ID and Passwords.</p>
Minimum Number of Lowercase Letters in Logon ID	Enhanced	<p>There is a new setting in the security policy profile, <i>Minimum Number of Lowercase Letters in Logon ID</i>. This setting determines the minimum number of lowercase letters that you must include in the logon ID. By default this setting is 0, meaning the setting is disabled. The UME does not check for the minimum number of lowercase letters.</p>
Restart No Longer Required After Changing the Security Policy Settings	Enhanced	<p>The user management engine (UME) properties behind the settings of the security policy no longer require a restart of the SAP NetWeaver Application Server (AS) Java for changes to take effect.</p>



There are no changes in this area compared to SAP NetWeaver CE 7.2 SP2.