

New Web Template Attribute



ADDON.NDBWRE

Release 30B



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Icons

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

Typographic Conventions

Type Style	Description
<i>Example text</i>	Words or characters that appear on the screen. These include field names, screen titles, pushbuttons as well as menu names, paths and options. Cross-references to other documentation.
Example text	Emphasized words or phrases in body text, titles of graphics and tables.
EXAMPLE TEXT	Names of elements in the system. These include report names, program names, transaction codes, table names, and individual key words of a programming language, when surrounded by body text, for example, SELECT and INCLUDE.
Example text	Screen output. This includes file and directory names and their paths, messages, source code, names of variables and parameters as well as names of installation, upgrade and database tools.
EXAMPLE TEXT	Keys on the keyboard, for example, function keys (such as F2) or the ENTER key.
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. Pointed brackets indicate that you replace these words and characters with appropriate entries.

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Please note: New sections in the documentation are highlighted in red.



Determining Web Template Properties

Use

You can specify the properties for your Web application in each Web template.

Procedure

Select the Web template from the dropdown box in the header of the *Properties* window.

Tab Page: General

- Under *Description*, you can give the template a description of your choice.
- Under *Stylesheet*, you can see the stylesheet that is to display the Web application. Select the pushbutton with the three dots (*Choose Stylesheet*) to choose a different stylesheet for your Web application.
 - The list of stylesheets is given on the left-hand side of the *Choose Stylesheet* dialog box. Select a stylesheet to see it in the preview window on the right-hand side.
 - To select a stylesheet for your Web application, select the required stylesheet and choose *OK*.



Only those stylesheets stored on the BW server are displayed in the selection list. If you want to use a stylesheet that is not in the list, for example one that is stored on your Web server, select the checkbox beneath the selection list and enter the URL. Choose *OK*.

Tab Page: Web Item

- Under *General*, you can give the Web application the following properties:
 - *Status-Free Navigation*

By selecting *Status-Free Navigation*, the status on the server is reset after each navigation step in the Web application. This is only recommended for Web applications in which you rarely navigate.
 - *Use Personalized Template, if Available*
 - *Do Not Display System Messages*
 - *Do Not Display Warnings*
 - *Force Variable Screen Display*

If *Force Variable Screen Display* is not selected, the variable screen is only displayed when the mandatory variables are not filled. By selecting the *Force Variable Screen Display*, the variable screen is displayed at all times.
 - *Reset Variables to Default Values*
 - *Display Same Variable(s) Only Once*

This ensures that the same variables for different queries are displayed only once.
 - *Open Dialogs in New Windows*
 - *Read Mode for Data*

- *Output Optimization (Device-Dependent)*

By selecting *Output Optimization (Device-Dependent)*, you bring about an automatic, device-specific optimization of Web item settings at runtime (for example, chart size for PDAs).

- *Session Encoding in the URL*

A cookie is used by default to manage the session for a stateful BEx Web Application. This can lead to possible problems, however, you can eliminate these with the help of this attribute. For more information on these Web template properties see [Object Tag for the Properties of Web Templates \[Seite 9\]](#).

- *Automatic Session Management*

You can use *automatic session management* to optimize the management of system resources on the application server. By selecting *automatic session management*, the server resources are automatically released after leaving the site.



You can use this function in situations where the execution of a Web application takes up a great deal of working memory, or where a large number of users working in parallel are involved. Memory space is provided on the application server as long as a session is valid for a particular user.



Normally, the server cannot detect whether a user has closed the browser or navigated to another Web site. However, this information is required to efficiently use and release application server resources.

Selecting the property *Automatic Session Management* generates additional HTML and JavaScript code at runtime, which enables you to detect when the browser is closed or the user navigates away from the Web site. More specifically, when the Web template is executed, the system firstly generates an HTML page, which contains a HTML frameset with a single frame. JavaScript code is registered in this frameset, which reacts upon the unload event of the frameset. The only frame to contain the entire width of the browser is the one that contains the actual Web application.

- When the user closes the browser, the unload event of the frameset is triggered and the corresponding JavaScript code is executed. This JavaScript ensures that, firstly, a SAP BW URL is triggered with the command "page_free". This ends the current Web application and releases the memory space that is no longer required. The URL is sent by briefly opening a browser window, as you will see shortly.
- When there are external links in the Web application and the user uses them to navigate to another Web site, automatic session management behaves as if the browser had been closed. For this, you must have taken the following points into account when setting external links in the Web application:
 - Enter "_top" as the attribute *Target* if the Web application is to fill the entire browser and fully replaced when navigating away to an external link.
 - Enter the unique parent name for the frameset as the attribute *Target* if a frameset is to be used and the Web application is to be displayed in a frame. This is necessary to enable the removal of the entire

frameset when the user navigates away from the Web site (and to enable the JavaScript to be called up).

Example for a URL to external pages:

```
<a href="http://www.sap.com" target="_top">Go to www.sap.com</a>
```



Do not use the *Automatic Session Management* property when using the Web application in the SAP Enterprise Portal. In this case, the portal closes the Web application correctly by itself.

- *Show Jump Target In*

You can use the Web template property *Show Jump Target In* to control the jump from the context menu to the RRI:

- When the standard setting is selected (menubarRRI), the RRI jump takes place in a window with a menubar.
 - If you do not make an entry, the RRI jump always takes place using a new window.
 - If you enter a frame name, the RRI jump takes place in this frame.
 - If you enter the name of an existing window, the RRI jump takes place in the window with the specified name.
 - Also refer to [Goto \[Extern\]](#).
 - [Object Tag for the Properties of Web Templates \[Seite 9\]](#)
- In the *Entries in Context Menu* column, all possible context menu entries are listed. You can decide whether each context menu entry is
 - Not displayed (*No Display*)
 - Always displayed in the basic context menu (*Always Display*)
 - Or displayed in the enhanced menu (*Enhanced Menu*)



See also [Modifying the Context Menu \[Extern\]](#). The letters *X* (for *Always Display*) and *E* (for *Enhanced Menu*) describe the values for the corresponding parameters for modifying the context menu.

Storing Settings in the Library

- As well as saving the settings you determine for Web items, you can also save the properties of a template in a library. Choose *Save in Library* in the lower area of the *Web Item* tab page. For details of how to save your properties and for creating new libraries, see [Working with the Library for Web Items \[Extern\]](#).
- The saved Web template properties are treated in the same way as the Web items you saved in the library, meaning that you can find your saved Web template properties in the *Web Items* window on the *Library* tab page. Once you have saved your Web template properties, you have created a model for further Web templates.

Applying Settings to the Current Web Template

- To copy properties to other Web templates, proceed as follows:
 - a. In the *Web Item* window, on the *Library* tab page, with the right mouse button choose the Web template property that you want to copy.
 - b. Choose *Transfer Properties for Current Template*.

The properties for the Web template are transferred. You can see this in the changed settings for the Web template in the *Properties* window.

- To reassign the standard settings to the current Web template, choose *Web Template* → *Reset Properties*

In the *Properties* window, the standard settings are now reset.



Object Tag for the Properties of Web Templates

Definition

Object Tag for defining the properties of Web templates.

Use

The attributes of a Web template can be defined in an object tag. In addition to the Web template attributes listed below, all of the context menu properties also belong. These properties can also be transferred with URL when calling up the Web template.



Parameter 'CMD' must be set to 'SET_PROPERTIES' to indicate that these are the attributes of the Web template.

Properties	Description
TEMPLATE_ID	Name of the Web template Name under which you stored the Web template in the Web Application Designer.
STATELESS (optional) 'X' = Yes, ' ' = No	For Web templates that are used almost exclusively for display without further navigation, it is more useful to set the attribute STATELESS. The session on the application server is terminated when the Web template is created. This saves resources on the application server.  If this attribute is not specified, it is assumed that the page is still needed for navigating.
USE_PERSONALIZATION (optional) 'X' = Yes, ' ' = No	Use Personalized Web Template, if Available If the parameter is set to 'X', the personalized Web template for the current user is used. If personalization does not exist for the Web template or the parameter is not set, the Web template is executed without personalization.
STYLE_SHEET (optional)	Path to a stylesheet that you want to use to display the Web template. This overwrites any stylesheet that you may have already assigned to the Web template.  Example for a path specification: <code>/sap/bw/mime/BEx/StyleSheets/Meadow_BWReports.css</code>

<p>JAVASCRIPT (optional) 'X' = activate, ' ' = do not activate</p>	<p>Using JavaScript</p> <p>Using this parameter, you ensure that Web applications are created using JavaScript (extensive interaction options) or suppress the use of JavaScript (restricted interaction).</p>  <p>If this attribute is not transferred, JavaScript is activated automatically in Web browsers of version >=4.0.</p>
<p>SNIPPET_OPERATIONS (optional) 'X' = activate, ' ' = do not activate</p>	<p>Reload changed components of the page</p> <p>You use this attribute to control whether only changed objects are loaded in navigation. This function has higher Web browser requirements. For this reason, this function is only supported by MS Internet Explorer version >=5.0.</p>  <p>If this attribute is not transferred, loading is activated automatically for the suitable Web browsers.</p>
<p>ENABLE_OPEN_WINDOW (optional) 'X' = activate, ' ' = do not activate</p>	<p>Open Dialogs in New Windows</p> <p>Using this attribute, you can control whether a new browser window is opened, for example, for the properties dialog box or for filtering. If this attribute is not specified, new windows are opened (if supported by the Web browser).</p>
<p>VARIABLE_SCREEN (optional) 'X' = activate variable screen, ' ' = do not activate, if possible</p>	<p>Force Variable Screen Display</p> <p>If you call up a Web template that has query views containing variables that are ready for input, you can use these attribute to display the variable screen. If you do not set this attribute, or set it to ' ', the variable screen is hidden, wherever possible. However, it is still shown if, for example, the required variables that are ready for input have not yet been filled.</p>
<p>MELT_VARIABLES (optional) 'X' = merge, ' ' = display each query individually</p>	<p>Display Same Variable(s) Only Once</p> <p>The same variables for different queries are only displayed once.</p> <p>If you call up a Web template containing several query views that have variables that are ready for input and you go to the variable screen display, you can determine, through these parameters, whether variables, which are used in all query views and in the same context (same compounding, same initial value), are to be provided for input only once.</p> <p>If the variables correspond to different InfoProviders, then the input help is automatically read from the master data table.</p>

<p>VARIABLES_CLEAR (optional) 'X' = reset variable, ' ' = do not reset</p>	<p>Reset Variables to Default Values If you call up a Web template that contains one or more query views that have variables that are available for entry, you can specify this attribute to reset the default variables through the query view. Afterwards, the variables have the default settings from the variable definition.</p>
<p>SUPPRESS_WARNINGS (optional) 'X' = do not display warnings, ' ' = display warnings</p>	<p>Do Not Display Warnings With this attribute, warnings are not displayed. Terminations are still displayed.</p>
<p>SUPPRESS_SYSTEMMESSAGES (optional) 'X' = do not display system messages, ' ' = display system messages</p>	<p>Do Not Display System Messages With this attribute, system messages are not displayed.</p>
<p>DATA_MODE (optional) 'NEW' = use current data 'STORED' = Use precalculated data 'HYBRID' = use precalculated data; request current data if this is missing. 'STATIC' = use pre-calculated HTML pages 'STATIC_HYBRID' = use pre-calculated HTML pages. If there are none, search for pre-calculated data; if nothing found, request current data.</p>	<p>Read Mode for Data If you do not specify this attribute, a request is without exception sent to the OLAP processor and the current data is read. For the modi 'STORED' and 'HYBRID', data has to be precalculated using the Reporting Agent [Extern]. See Defining the Web Templates Setting [Extern].</p>
<p>DEVICE_OPTIMIZATION</p>	<p>Output Optimization (Device-Dependent) By selecting this attribute, you bring about an automatic, device-specific optimization of Web item settings at runtime (for example, chart size for PDAs).</p>

NO_SESSION_COOKIE

'X' = session encoding in the URL, ' ' = no session encoding in the URL

**Session Encoding in the URL, instead of by Cookie
Each Web application runs in its own session.**

A cookie is used by default to manage the session for a stateful BEx Web Application. This can lead to possible problems, however, you can eliminate these with the help of this attribute.



In the following cases it is preferable to use session encoding in the URL:

- You are integrating a [BSP-Application \(BC-BSP\) \[Extern\]](#) into a BEx Web Application. The BEx Web Application is also sent to the BSP application. The BSP application exits the session, for example because it is stateless. This causes a timeout in the BEx Web Application. You can use the attribute *Session Encoding in the URL instead of by Cookie* to avoid this problem. The BEx Web Application then uses the session coding in the URL and no session cookie is sent to the BSP application.
- Several initials call-ups from different Bex Web Applications occur simultaneously in the same Web Browser (for example in the case of a frameset, where the frames contain different URLs from Bex Web Applications). In this case the default use of session cookies causes errors. As there is no initial session, each request produces a new session on the server. Accordingly, each reply sent back to the Web Browser contains a new session cookie. However the session cookie always has the same name and is therefore overwritten in the Web Browser with each reply. Navigation to the BEx Web Application, for example sent back from the server first, also uses the session cookie from the previous reply. However, in this session the state of the Web Application is not given. You can use the attribute *Session Encoding in the URL instead of by Cookie* to avoid this problem. The session is then always contained within the URLs and is not influenced by other Bex Web Applications.
- The Web Browser used does not support cookies (this is the case for example with some mobile devices). However in this case, the [automatic device recognition \[Extern\]](#) starts the application for such devices in the NO_SESSION_COOKIE=X session.

When using the attribute *Session Encoding in the URL instead of by Cookie*, **no** session bundling between different BEx Web Applications follows. Each Web Application is allocated its own session on the server.

USE_PAGE_WRAPPER	Automatic Session Management If you select this attribute, the resources are automatically released to the server. You can find additional information about this attribute under Determining Properties for a Web Template [Seite 1] .
RRI_DISPLAY_TARGET Standard setting: menu barRRI	Show Jump Target In With this attribute you can control the RRI jump from the context menu. When the standard setting is selected, the RRI jump takes place in a window with a menu bar. If you do not make an entry, the RRI jump always takes place using a new window. If you enter a frame name, the RRI jump takes place in this frame. If you enter the name of an existing window, the RRI jump takes place in the window with the specified name.

Examples

The Web template should appear with variables entry

```
<object>
  <param name='OWNER' value='SAP_BW'>
  <param name='CMD' value='SET_PROPERTIES'>
  <param name='VARIABLE_SCREEN' value='X'>
</object>
```

Context menu should not contain an enhanced menu

```
<object>
  <param name='OWNER' value='SAP_BW'>
  <param name='CMD' value='SET_PROPERTIES'>
  <param name='MENU_ENHANCED' value=' '>
</object>
```

The following, additional attributes for setting data providers or special data providers / Web items are usually set only in conjunction with command URLs for calling up Web templates. However, they can also appear statically in the object tag. The index in the parameter is indicated in the following by '_I'.

Displaying a query

Properties	Description
INFOCUBE	Technical name of the InfoProvider
QUERY	Technical name of the query
VARIANT (optional)	Variant, if you are not required to enter a variable.

Display of another query view

Properties	Description
DATA_PROVIDER_ID	Technical name of the saved query view
VARIANT (optional)	VARIANT, if you are not required to enter a variable.



The attributes PAGEID and WBID that are used in BW 2.x are supported for the Web templates created under BW 2.x. However, we recommend that you no longer use these.

Attributes for overwriting the data provider initialization

Properties	Description
SET_DATA_PROVIDER_I	Logical name of the DataProvider Name of the data provider for which you want to set a new initialization.
INFOCUBE_I (Option 1)	Technical name of the InfoProvider
QUERY_I (Option 1)	Technical name of the query
DATA_PROVIDER_ID_I (Option2)	Technical name of the saved query view
VARIANT (optional)	VARIANT, if you are not required to enter a variable.

Attributes for overwriting the Web item initialization

Properties	Description
SET_ITEM_I	Logical name of the Web item Name of the Web item for which you want to set a new initialization.
ITEM_ID_I (Option 1)	Web item key A Web item is created for a Web template on the basis of a Web item setting made in the Web Application Designer.
ITEM_CLASS_I (Option 2)	Class name of the Web item class Name of the ABAP object class that output generation transfers. This corresponds to the use of non-reusable Web items (standard Web items) in the Web Application Designer. Web items are created with the default values for the attribute. Der Klassenname für die Tabelle ist z.B. CL_RSR_WWW_ITEM_GRID.

