

Application Designer

About this Documentation

Version 9.1.2

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This document applies to Application Designer Version 9.1.2 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <i>folder.subfolder.service</i> , APIs, Java classes, methods, properties.
<i>Italic</i>	Identifies: Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
Monospace font	Identifies: Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the symbol.
[]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

Online Information and Support

Software AG Documentation Website

You can find documentation on the Software AG Documentation website at <http://documentation.softwareag.com>. The site requires credentials for Software AG's Product Support site Empower. If you do not have Empower credentials, you must use the TECHcommunity website.

Software AG Empower Product Support Website

If you do not yet have an account for Empower, send an email to empower@softwareag.com with your name, company, and company email address and request an account.

Once you have an account, you can open Support Incidents online via the eService section of Empower at <https://empower.softwareag.com/>.

You can find product information on the Software AG Empower Product Support website at <https://empower.softwareag.com>.

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If you have any questions, you can find a local or toll-free number for your country in our Global Support Contact Directory at https://empower.softwareag.com/public_directory.asp and give us a call.

Software AG TECHcommunity

You can find documentation and other technical information on the Software AG TECHcommunity website at <http://techcommunity.softwareag.com>. You can:

- Access product documentation, if you have TECHcommunity credentials. If you do not, you will need to register and specify "Documentation" as an area of interest.
- Access articles, code samples, demos, and tutorials.
- Use the online discussion forums, moderated by Software AG professionals, to ask questions, discuss best practices, and learn how other customers are using Software AG technology.
- Link to external websites that discuss open standards and web technology.

Data Protection

Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.

2 Online Help Management

The Application Designer environment provides for a simple but very useful online help management. You can easily plug help information behind controls or pages.

The information provided in this documentation is organized under the following headings:

Basics

Customizing the Online Help Pop-up

Other URL Rules?

Other Types of F1-Online Help?

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Basics

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Supported Controls

Online help is accessible from the following controls:

- TITLEBAR (online help for a whole page)
- FIELD
- CHECKBOX
- RADIOBUTTON
- COMBOFIX
- COMBODYN2

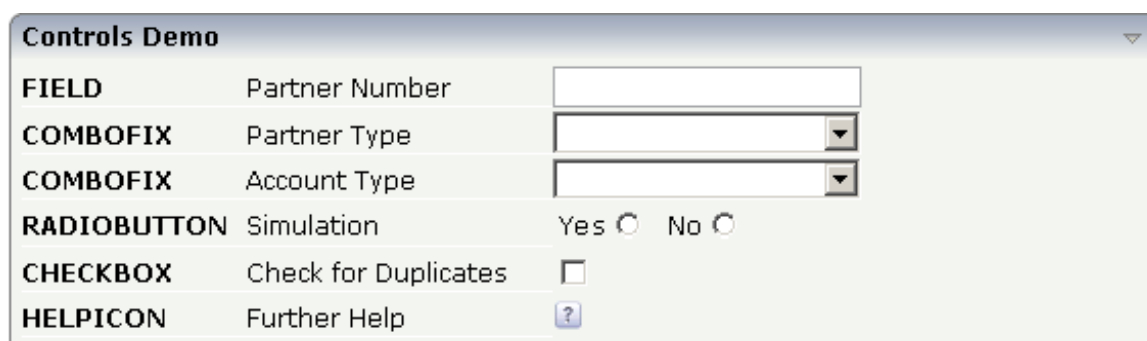
In addition, you can place special HELPICON controls at any point of your page.

Online help is either activated by pressing F1 inside the controls or by clicking on the corresponding icon.


Way from Control to Online Help Page

Each control that supports online help offers a property `helpid`. In this property, you define an ID that is used for building a URL. This points to the page which appears when invoking the online help for the control.

Let us have a look at the following page:



The screenshot shows a window titled "Controls Demo" with a list of controls and their associated help IDs. The controls are arranged in a table-like structure:

Control Type	Label	Value / Options
FIELD	Partner Number	<input type="text"/>
COMBOFIX	Partner Type	<input type="text"/>
COMBOFIX	Account Type	<input type="text"/>
RADIOBUTTON	Simulation	Yes <input type="radio"/> No <input type="radio"/>
CHECKBOX	Check for Duplicates	<input type="checkbox"/>
HELPICON	Further Help	

Inside the XML layout definition, you see the `helpid` definitions:

```

<rowarea name="Controls Demo">
  <itr>
    <label name="FIELD" width="110" labelstyle="font-weight:bold">
    </label>
    <label name="Partner Number" width="150">
    </label>
    <field valueprop="businessPartnerNumber" width="150" ↵
helpid="BusinessPartnerInput">
    </field>
  </itr>
  <itr>
    <label name="COMBOFIX" width="110" labelstyle="font-weight:bold">
    </label>
    <label name="Partner Type" width="150">
    </label>
    <combobox valueprop="partnerType" width="150" size="1" helpid="PartnerType">
      <combooption name="Private" value="private">
      </combooption>
      <combooption name="Business" value="business">
      </combooption>
      <combooption name="Other" value="other">
      </combooption>
    </combobox>
  </itr>
  <itr>
    <label name="COMBOFIX" width="110" labelstyle="font-weight:bold">
    </label>
    <label name="Account Type" width="150">
    </label>
    <combodyn valueprop="accountType" optarrayprop="accountTypeOptions" size="1"
      width="150" helpid="AccountType">
    </combodyn>
  </itr>
  <itr>
    <label name="RADIOBUTTON" width="110" labelstyle="font-weight:bold">
    </label>
    <label name="Simulation" width="150">
    </label>
    <hdist>
    </hdist>
    <label name="Yes" asplaintext="true">
    </label>
    <radiobutton valueprop="simulation" value="on" helpid="Simulation">
    </radiobutton>
    <hdist width="10">
    </hdist>
    <label name="No" asplaintext="true">
    </label>
    <radiobutton valueprop="simulation" value="off" helpid="Simulation">
    </radiobutton>
    <hdist>
    </hdist>
  </itr>

```

```
</itr>
<itr>
  <label name="CHECKBOX" width="110" labelstyle="font-weight:bold">
  </label>
  <label name="Check for Duplicates" width="150">
  </label>
  <checkbox valueprop="checkDuplicates" helpid="CheckForDuplicates">
  </checkbox>
</itr>
<itr>
  <label name="HELPICON" width="110" labelstyle="font-weight:bold">
  </label>
  <label name="Further Help" width="150">
  </label>
  <helpicon helpid="FurtherHelp">
  </helpicon>
  <hdist>
  </hdist>
</itr>
</rowarea>
```

The default way how a URL is derived out of a help ID is:

```
URL = /<name of web application> +
      /<application project> +
      /help +
      /<language> +
      /<helpid>.html
```

Example: in the standard Application Designer installation, in the project "cisdemo", being logged on in English, the help ID "AccountType" is transferred to:

```
/cis/cisdemo/help/en/AccountType.html
```

Content of HTML Page

The content of the HTML page which is called is completely up to you.

Where to Put the HTML Help Files

Consequently, the files containing the online help are located inside the following directory:

```
<web application directory>/
  <application project>
    help/
      <language>/
        <helpid>.html
```

HELPICON Properties

Basic			
helpid	Help id that is passed to the online help management when the user clicks onto the icon.	Optional	
iconurl	<p>URL of image that is displayed inside the control. Any image type (.gif, .jpg, ...) that your browser does understand is valid.</p> <p>Use the following options to specify the URL:</p> <p>(A) Define the URL relative to your page. Your page is generated directly into your project's folder. Specifying "images/xyz.gif" will point into a directory parallel to your page. Specifying "../HTMLBasedGUI/images/new.gif" will point to an image of a neighbour project.</p> <p>(B) Define a complete URL, like "http://www.softwareag.com/images/logo.gif".</p>	Optional	
title	<p>Text that is shown as tooltip for the control.</p> <p>Either specify the text "hard" by using this TITLE property - or use the TITLETEXTID in order to define a language dependent literal.</p>	Optional	
titletextid	Text ID that is passed to the multi language management - representing the tooltip text that is used for the control.	Optional	
visibleprop	<p>Name of an adapter property that provides the information if this control is displayed or not. As consequence you can control the visibility of the control dynamically.</p> <p>The server side property needs to be of type "boolean".</p>	Optional	
withdistance	If set to "true" then 2 pixels of distance are kept on the left and on the right of the icon.	Optional	true false

	Reason being: if arranging several icons inside one table row (ITR, TR) then a certain distance is kept between the icons when this property is set to "true".		
align	<p>Horizontal alignment of control in its column.</p> <p>Each control is "packaged" into a column. The column itself is part of a row (e.g. ITR or TR). Sometimes the size of the column is bigger than the size of the control itself. In this case the "align" property specifies the position of the control inside the column. In most cases you do not require the align control to be explicitly defined because the size of the column around the controls exactly is sized in the same way as the contained control.</p> <p>If you want to directly control the alignment of text: in most text based controls there is an explicit property "textalign" in which you align the control's contained text.</p>	Optional	left center right
valign	<p>Vertical alignment of control in its column.</p> <p>Each control is "packaged" into a column. The column itself is part of a row (e.g. ITR or TR). Sometimes the size of the column is bigger than the size of the control. In this case the "align" property specify the position of the control inside the column.</p>	Optional	top middle bottom
colspan	<p>Column spanning of control.</p> <p>If you use TR table rows then you may sometimes want to control the number of columns your control occupies. By default it is "1" - but you may want to define the control to span over more than one columns.</p> <p>The property only makes sense in table rows that are synchronized within one container (i.e. TR, STR table rows). It does not make sense in ITR rows, because these rows are explicitly not synched.</p>	Optional	1 2 3 4 5 50 int-value
rowspan	<p>Row spanning of control.</p> <p>If you use TR table rows then you may sometimes want to control the number of rows your control occupies. By default it is "1" - but you may want to define the control to span over more than one columns.</p> <p>The property only makes sense in table rows that are synchronized within one container (i.e. TR, STR table rows). It does not make sense in ITR rows, because these rows are explicitly not synched.</p>	Optional	1 2 3 4 5 50 int-value

comment	Comment without any effect on rendering and behaviour. The comment is shown in the layout editor's tree view.	Optional	
---------	---	----------	--

4 Customizing the Online Help Pop-up

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The HTML page that is shown when you press F1 or when you click on the HELPICON control is application-specific. Application Designer integrates this HTML page as a subpage into a corresponding pop-up. By default, a fixed pop-up is used for all Application Designer projects. For example:



The application-specific HTML page is used as the content of this pop-up. However, the pop-up itself has always a fixed look-and-feel and a fixed size.

A fixed pop-up size is not always the best match for all applications; and some applications might want to modify the appearance of the pop-up, for example, by adding an image. Therefore, it is also possible to use a project-specific pop-up instead of the default pop-up.

Creating a Project-Specific Pop-up

Each online help pop-up must have the name *popuponlinehelp.xml*. By default, the *popuponlinehelp.xml* file of the project **HTMLBasedGUI** is used.

➤ To create a *popuponlinehelp.xml* file in your project

- 1 In the navigation frame of the development workplace, choose the button which represents your project.
- 2 Choose the **New Layout** command in the navigation frame.
- 3 In the **Name** text box of the resulting dialog, enter the name "popuponlinehelp.xml". A different name will not be accepted when you create a template for an online help pop-up.
- 4 Choose the layout template which is named "Online Help Pop-up".

A new *popuponlinehelp.xml* file is created in the current project.

The corresponding layout is shown in the Layout Painter. You can now customize your pop-up: you can modify all design-time properties. However, all bindings such as the `model` property of the page and the `valueprop` property of the subpage must not be modified.

- 5 To define a specific size, modify the pop-up properties `popupwidth` and `popupheight`.

You can also add images (for example, a company logo) to the pop-up.

Runtime Behavior

Application Designer first checks whether a layout with the name "popuponlinehelp" exists in the application project which is currently executed. If such a layout is found, it will be used.

If a layout with the name "popuponlinehelp" is not found in the application project, the default "popuponlinehelp" layout of the project **HTMLBasedGUI** will be used.

5 Other URL Rules?

The rules defining how to build a URL based on a help ID are kept behind an interface:

```
public interface IOHManager
{
    /** returns the URL for the page to be opened. */
    public String getOnlineHelpURL(String project,
                                   String page,
                                   String helpId,
                                   String language);
}
```

You can write your own implementation of this interface in which you apply your rules. The result must be a valid URL which is opened inside a pop-up.

For more details, see the Java API documentation for the package `com.softwareag.cis.onlinehelp`.

6 Other Types of F1-Online Help?

Maybe the standard way of offering online help - displaying a modal pop-up containing corresponding text - is not the one that you want to use for your application. Maybe you want to open the help in a certain frame of a frameset definition or maybe you want to pass context information of your current adapter into the help system.

In this case, you can use the interface `com.softwareag.cis.onlinehelp.IExtendedOHManager`:

```
public interface IExtendedOHManager
{
    public void processOnlineHelpRequest(Adapter requestingAdapter,
                                         String project,
                                         String page,
                                         String helpId,
                                         String language);
}
```

See the Java API documentation for more information.

