

Webi Auto Documentation

Webi Documentation Made Easy

Overview

This document contains a detailed description of how to make use of the Report Engine SDK to help make the documentation process more efficient.

Contents

OVERVIEW	2
<i>Documentation Needs.....</i>	<i>2</i>
<i>Package Content</i>	<i>2</i>
CODE WALKTHROUGH.....	4
<i>CrystalEnterprise.Webi.xml</i>	<i>4</i>
<i>documentationDetails.jsp</i>	<i>5</i>
IMPROVEMENTS.....	6
<i>Report Blocks</i>	<i>6</i>
<i>Reports</i>	<i>6</i>
FINDING MORE INFORMATION	7

Overview

Documentation Needs

The report design process includes many phases: requirement gathering, mockups, report design, and last but not least documentation. Each one of these steps is essential to a successful design. This document will focus on the documentation aspect.








For a document to be complete, it needs to contain all the information needed for anyone to rebuild the report. This includes all aspect such as a description of the report, targeted audiences, data source, universe objects, variables, filters etc.

This document will describe how the Report Engine can be used to help extract some of this information to ease the documentation process.





Figure 1 – Documentation Output

Query: Report Content

Result Objects

Object	Description	Type	Constraints / Comments
Icon-Info 	Icon-Info	TEXT	
openDocumentHelp 	openDocument	TEXT	
Appointments at Risk Cnt 	Appointments at Risk Cnt	NUMERIC	
Appointments Missed Cnt 	The Count of all appointments missed	NUMERIC	
openDocumentODDashboard 	openDocument	TEXT	
Job Code Nm 	Job Code Name	TEXT	
Dispatch Area Nm 	Dispatch Area Name	TEXT	
Business Unit Nm 	Business Unit Name	TEXT	

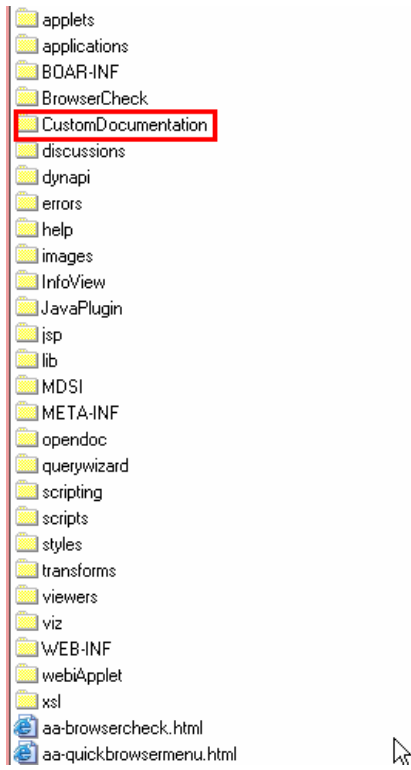
Filter Objects

Object	Constraints / Comments
Business Unit Nm 	
Dispatch Area Nm 	
Order Type Nm 	
Job Code Nm 	

Package Content

1. You can find in the zip file two folders, CustomDocumentation and WEB-INF. These are to be placed into the extracted folder of desktop.war. Make sure that you make a backup of the original CrystalEnterprise.Webi.xml which can be found in

WEB-INF\classes\META-INF\CystalEnterprise.Webapps\Portfolio\plugins



Code Walkthrough

CrystalEnterprise.Webi.xml

This file is the webi configuration file. I have added a hook into this file so that I can navigate to the document function easily. After making a backup of the original file, you can simply paste this into the plugins directory found:



WEB-INF\classes\META-INF\CrystalEnterprise.Webapps\Portfolio\plugins

```

<!-- name of the action, must be unique within this plugin -->
<name>modify</name>
<descriptionID>config.modify</descriptionID> <!-- localization id the view ac
<path>/InfoView/CrystalEnterprise_Webi/modify.do</path>
<window>fullscreen=yes,location=no,scrollbars=yes,menubars=no,toolbars=no,res
</action>
<action>
  <name>properties</name>
  <descriptionID>config.properties</descriptionID>
  <path>/InfoView/listing/properties.do</path>
  <right>VIEW</right>
</action>
<!-- Documentation Hook -->
<action>
  <name>documentation</name>
  <descriptionID>preferences.viewmode.html</descriptionID> <!-- need a place hc
  <path>/CustomDocumentation/documentation.jsp</path>
  <right>VIEW</right>
</action>
<!-- Documentation Hook -->
<create-action>

```

After tomcat is restarted, you can login to Infoview and see an extra "HTML" link. Clicking on this would give you an output of this report which you can use in your documentation:

  Sales Results for Q4 Never
[History](#) | [Schedule](#) | [Modify](#) | [Properties](#) | [HTML](#)

documentationDetails.jsp

This is the file which is responsible for creating the documentation output. This file takes care of all the preparation work needed to view a webi file, in fact, it was modified from the original viewCDZDocument.jsp. There are some steps that is needed prior to loading documentationDetails.jsp in order to have all the webi sessions established properly. Due to time constraints, and the fact that I didn't want to tamper with the sessions unnecessarily, I have left it alone. Therefore, before generating any documentation, a user will first have to open and view **any** webi report. Once that is done, you will be able to generate documentation in HTML format. This can be copied and pasted into your favorite word editor used to create documentations for your webi reports.





The pseudo code used to generate the documentation:

```

For each DataProvider/Query
    Loop through and output each DataSource Object
    Loop through and output each Condition Object
Loop through and output all the variables created
  
```

Query: Localization Title

Result Objects

Object	Description	Type	Constraints / Comments
Item Name 		TEXT	
Localized Item 	Localized Text	TEXT	
Item Type 	Item Type	TEXT	
Set Session Timezone 	Set Session Timezone	TEXT	

Filter Objects

Object	Constraints / Comments
Item Name 	

Figure 2-1: Data Source Objects and Condition Objects

Variables



Variable Name	Formula	Constraints / Comments
v_LastRefreshedDate 	=([Last Refreshed Time] + LastExecutionDate() + " " + LastExecutionTime())	
v_DateTimeMeasure 	=([Dated Time Measure])/60	

Figure 2-2: Report Variables

Improvements

The Objective of this document is to provide an idea of how we can use the SDK in our projects. Here are some ways that this can be improved.

Report Blocks

We can loop through the report block objects and output any cells which we have typed formulas directly into.

Reports

As you can see, as soon as we put in logic to parse report content, we can also add in extra logic to loop through all the reports within a document.

Finding more information

Business Objects Diamond Technical Community

<http://diamond.businessobjects.com>

Business Objects Technical Support

<http://technicalsupport.businessobjects.com>

For more information and resources, refer to the product documentation and visit the support area of the web site at

<http://www.businessobjects.com/>

► www.businessobjects.com

No part of the computer software or this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without permission in writing from Business Objects.

The information in this document is subject to change without notice. Business Objects does not warrant that this document is error free.

This software and documentation is commercial computer software under Federal Acquisition regulations, and is provided only under the Restricted Rights of the Federal Acquisition Regulations applicable to commercial computer software provided at private expense. The use, duplication, or disclosure by the U.S. Government is subject to restrictions set forth in subdivision (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at 252.227-7013.

The Business Objects product and technology are protected by US patent numbers 5,555,403; 6,247,008; 6,578,027; 6,490,593; and 6,289,352. The Business Objects logo, the Business Objects tagline, BusinessObjects, BusinessObjects Broadcast Agent, BusinessQuery, Crystal Analysis, Crystal Analysis Holos, Crystal Applications, Crystal Enterprise, Crystal Info, Crystal Reports, Rapid Mart, and WebIntelligence are trademarks or registered trademarks of Business Objects SA in the United States and/or other countries. Various product and service names referenced herein may be trademarks of Business Objects SA. All other company, product, or brand names mentioned herein, may be the trademarks of their respective owners. Specifications subject to change without notice. Not responsible for errors or omissions.

Copyright © 2007 Business Objects SA. All rights reserved.