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1. Crystal Report 2008 Developer Edition

Crystal Report Settings:

- 1. Crystal Report should be installed in the web server
- 2. After installing restart the web server
- 3. Open the crystal report designer and perform the following steps
 - a. Click on the blank report
 - b. In the database expert click on the Create New Connection → More Data sources → Field Definitions Only. Click OK.

🧛 Database Expert	×
Data	
Browse the data source for the tables you want to add. (Note: to edit the alias for a table, select the table in the 'Selected Tables' tree and click on it or press the F2 key) Available Data Sources: Available Data Sources: My Connections Create New Connection Access/Excel (DAO) ACT! ADO.NET (XML) COM Connectivity Database Files Exchange 5.5 Message	
OK Cancel Help	

c. Crystal will automatically install its required deliverables (on demand).

Web.Config Settings:

Change the RVW web.config file with the installed crystal report assembly version.

Web.Config file will be available in the path <drive>:\Program files\virtualworks\iis\

In the c:\windows\assembly crystal report assembly information (version and keytoken) will be available that have to specified in the web.config.



- 1. Find the Compilation Node in Web.Config file. Compilation Node will be in the order of <configuration> \rightarrow <system.web> \rightarrow <compilation>
- 2. The Crystal Assemblies to be referenced should come under <assemblies> node.
- 3. Create node <assemblies> under compilation node.
- 4. Add the following Crystal Assembly Reference under the assemblies node.

<add assembly="CrystalDecisions.CrystalReports.Engine, Version=<version>,

Culture=neutral, PublicKeyToken=<keytoken>"/>

<add assembly="CrystalDecisions.ReportSource, Version=<version>,

Culture=neutral, PublicKeyToken=<keytoken>"/>

<add assembly="CrystalDecisions.Shared, Version=<version>, Culture=neutral,

PublicKeyToken=<keytoken>"/>

<add assembly="CrystalDecisions.Web, Version=<version>, Culture=neutral,

PublicKeyToken=<keytoken>"/>

Close the nodes </assemblies> & </compilation>

5. If the webserver version is below IIS7 then Add the following Crystal Reference under System.Web node

<httpHandlers>

<add verb="GET" path="CrystalImageHandler.aspx" type="CrystalDecisions.Web.CrystalImageHandler, CrystalDecisions.Web, Version=<version>, Culture=neutral, PublicKeyToken=<keytoken>"/>

</httpHandlers>

 If the webserver version is IIS7 or above and Application Pool - Managed pipeline mode is "Integrated" then Add the following Crystal Reference under system.webServer <handlers>

<add name="CrystalImageHandler.aspx_GET" verb="GET"
path="CrystalImageHandler.aspx"
type="CrystalDecisions.Web.CrystalImageHandler, CrystalDecisions.Web,
Version=<version>, Culture=neutral, PublicKeyToken=<keytoken>"
preCondition="integratedMode"/>

</handlers>

<validation validateIntegratedModeConfiguration="false"/>

7. If the client machine uses IE 8.0 and crystal reports viewer gif files are not visible then follow the following steps



- From the Crystal Report installation folder Copy the folder crystalreportviewers famco and paste it in VirtualWorks\iis\ folder
- 9. In the web.config add the following under the node configuration <configSections>

<sectionGroup name="businessObjects"> <sectionGroup name="crystalReports"> <section name="crystalReportViewer" type="System.Configuration.NameValueSectionHandler" /> </sectionGroup>

</sectionGroup>

</configSections>

<businessObjects>

<crystalReports>

<crystalReportViewer>

<add key="resourceURI" value="/crystalreportviewers12" />

</crystalReportViewer>

</crystalReports>

</businessObjects>



10. Web.config changes (available in VirtualWorks\IIS folder)

- Under the <appSettings> node add the key <add key="EDKReportType" value=" " />
- b. The applicable values for value are
 - i. CrystalDeveloper

This is used for launching the reports in Crystal reports developer edition

<add key="EDKReportType" value=" CrystalDeveloper" />

11. If Virtual Directory's Application Pool is pointing to .Net Framework Version: v4.0 then add the following piece of code in Web.Config file.

Existing Code : <httpRuntime executionTimeout="3600" />

Modified Code : <httpRuntime executionTimeout="3600" requestValidationMode="2.0"/> Note:



1) Copy the font named Code39AzaleaWide2 available in web server C:\Windows\fonts and paste into the client machine's (C:\Windows\fonts) for barcode fonts to get displayed in the reports.

2) If the web server OS is 64 bit then for launching report IIS should run in 32 bit mode

To enable IIS to run in 32 bit on 64 bit server follow the steps given in main installation manual.

2. Crystal Report 2008 Server Edition

Note:

- 1. Crystal Report Client should be installed in the web server
- 2. After installing restart the webserver
- 3. In the web server check for the folder

C:\Inetpub\wwwroot\aspnet_client\system_web\2_0_50727 and verify

whether crystalreportviewers12 is available. If it is not available then

copy the **crystalreportviewers12** folder from the following crystal

installation directory.

"<Crystal Installation drive>:\ Program Files\Business Objects\Common\4.0".

Web.Config Settings

Change the RVW web.config file with the installed crystal report assembly version.

Web.Config file will be available in the path <drive>:\Program files\virtualworks\iis\

In the c:\windows\assembly crystal report assembly information (version and keytoken) will be available that have to specified in the web.config.

- 1. Find the Compilation Node in Web.Config file. Compilation Node will be in the order of <configuration> \rightarrow <system.web> \rightarrow <compilation>
- 2. The Crystal Assemblies to be referenced should come under <assemblies> node.
- 3. Create node <assemblies> under compilation node.
- 4. Add the following Crystal Assembly Reference under the assemblies node. <add assembly="CrystalDecisions.CrystalReports.Engine, Version=<version>,

Culture=neutral, PublicKeyToken=<keytoken>"/>

<add assembly="CrystalDecisions.ReportSource, Version=<version>,

Culture=neutral, PublicKeyToken=<keytoken>"/>

<add assembly="CrystalDecisions.Shared, Version=<version>, Culture=neutral,



PublicKeyToken=<keytoken>"/>

<add assembly="CrystalDecisions.Web, Version=<version>, Culture=neutral,

PublicKeyToken=<keytoken>"/>

Close the nodes </assemblies> & </compilation>

 If the webserver version is below IIS7 then Add the following Crystal Reference under System.Web node
 httpHandlers>

<add verb="GET" path="CrystalImageHandler.aspx" type="CrystalDecisions.Web.CrystalImageHandler, CrystalDecisions.Web, Version=<version>, Culture=neutral, PublicKeyToken=<keytoken>"/>

</httpHandlers>

 If the webserver version is IIS7 or above and Application Pool - Managed pipeline mode is "Integrated" then Add the following Crystal Reference under system.webServer
 https://www.angle.com

<add name="CrystalImageHandler.aspx_GET" verb="GET" path="CrystalImageHandler.aspx" type="CrystalDecisions.Web.CrystalImageHandler, CrystalDecisions.Web, Version=<version>, Culture=neutral, PublicKeyToken=<keytoken>" preCondition="integratedMode"/>

</handlers>

<validation validateIntegratedModeConfiguration="false"/>

- 7. If the client machine uses IE 8.0 and crystal reports viewer gif files are not visible then follow the following steps
 - a. From the Crystal Report installation folder Copy the folder crystalreportviewers12 and paste it in VirtualWorks\iis\ folder
 - b. In the web.config add the following under the node configuration <configSections>

<sectionGroup name="businessObjects">

<sectionGroup name="crystalReports">

<section name="crystalReportViewer"

type="System.Configuration.NameValueSectionHandler" />

</sectionGroup>

</sectionGroup>

</configSections>



<businessObjects>

<crystalReports>

<crystalReportViewer>

<add key="resourceURI" value="/crystalreportviewers12" />

</crystalReportViewer>

</crystalReports>

</businessObjects>

NOTE: Kindly ignore the above steps if already done.

- 8. Web.config changes (available in VirtualWorks\IIS folder)
 - a) Under the <appSettings> node add the key <add key="EDKReportType" value=" " />
 - b) The applicable values for value are CrystalServer This is used for launching the reports in Crystal reports server edition

<add key="EDKReportType" value="CrystalServer" />

The following keys are additionally required for crystal reports server

<add key="EDKReportAssemblyFramework "

Version=<crystal version>, Culture=neutral, PublicKeyToken=<crystal public key token>" />

<add key="EDKReportAssemblyInfoStore"

value="CrystalDecisions.Enterprise.InfoStore, Version=<crystal version>,
Culture=neutral, PublicKeyToken=<crystal public key token>" />

<add key="EDKReportServer" value=" " />

In this above key value need to provide the CMS Server name. Value should be encrypted

<add key="EDKReportUserId" value=" " />

In this above key value CMS User name has to be provided. Value should be encrypted using encryption utility.

<add key="EDKReportPassword" value=" " />



In this above key value CMS Password has to be provided. Value should be encrypted using encryption utility.

<add key="EDKReportAuthType" value="secEnterprise" />

In this above key value provide the authentication type. Example "secEnterprise"

<add key="EDKReportRASFolderName" value=" " />

In this above key value provide the CMS folder name where the report rpts are deployed.

Please Note : The encryption and decryption utility is available



9. If Virtual Directory's Application Pool is pointing to .Net Framework Version: v4.0 then add the following piece of code in Web.Config file.

Existing Code : <httpRuntime executionTimeout="3600" />

Modified Code : <httpRuntime executionTimeout="3600" requestValidationMode="2.0"/>

NOTE: .

1). If the web server OS is 64 bit then for launching report iis should run in 32 bit mode

To enable IIS to run in 32 bit on 64 bit server follow the steps given in main installation manual.

2). Copy the font named Code39AzaleaRegular3 available in report server C:\Windows\fonts and paste into the client machine's (C:\Windows\fonts) for barcode fonts to get displayed in the reports.

3). There is a change in report logo settings for the report server 2008 edition.

Please follow the below steps to configure report logo

Step 1).Create a folder named reportlogo in the Report Server. Step 2).Place the company logo file under the folder created in the Step 1. Step 3).In the xml CustomReporting.xml which will be available in web server in the path "..\Program Files\VirtualWorks\IIS\Extui\ilrt", search for the node <ReportDefaultParameters> and the attribute Value to be replaced with the folder path created in the Step 1.



Find the below example for the same:

<ReportParameter Name="reportlogo" Value="D:\Program Files\ReportLogo\reportlogo.bmp" SubReportName="" />

Publishing Report

For the Report to launch using crystal report server edition, the .rpt files should be published in crystal report server. Use the following steps to publish the reports.

Go to Web Server where crystal report client is installed.

Start -> Publishing Wizard



Click Next.



👺 Publishing Wizard	
	Welcome to the Publishing Wizard Language : English This wizard helps you add files to the Business Objects Business Intelligence Platform. With this wizard you can:
4	 Add Crystal Reports and other files to the system Set logon, parameter, and schedules for reports Set properties for other files
	Throughout this wizard, you may proceed to the next page by clicking Next, or revisit a previous page by clicking Back. To begin publishing your files, click Next.
	<back next=""> Cancel Help</back>

Enter the login credentials

User Name: administrator

Password: admin12*

Authentication: Enterprise

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	1.5	12
Enter the system r	name. You also need to specify your user name and password.	
System:	RAMCOBL312	
User Name:	Administrator	

Password:		

Click on Add Files.

		225	/140
Add Files	Add Folder	Remove Files	
Name In Directory			



🖺 Open × + 🗈 💣 🎟+ Look in: 🚺 report -🝷 Date modi... 👻 🕙 Name BasQuotprocess_Report.rpt 3/3/2011 12:23 PM BasQuotprocessView_Report.rpt 3/3/2011 12:23 PM Warranty_claim_doc.rpt 2/17/2011 10:58... 10/17/2008 9:15... po_termscond_rpt.rpt purchaseorder_report.rpt 10/17/2008 9:15... Network 4 . • Warranty_claim_doc.rpt Open File name: Report (*.rpt) -Cancel Files of type:

Browse for the folder where the .rpt file is available and choose the file and click open.

Multiple files can also be selected.

Add Files	Add Folder	Remove Files	J
Name	In Directory		
Warranty_claim_do	o.rpt 🛄 E:\report\		



Eg: 5.4 development

Select the location to which you would like to add your file(s). You may add a new		
older or a new object pack	age using the buttons to the right	of the folder tree.
RAMCOBL312.rsir	nail.rsil.ramco.com:6400 Tools	
⊕ development ⊕ Feature Samp	les	
5.4 Developm	ent <mark>i</mark> es	
🕀 🧰 Search Progra	im	

Now the rpt file you selected will come under the folder 5.4 development. Click Next.



nfirm Location Preview the location of	of files.	
Move the objects to d them to the desired loo Preview:	ifferent locations using the up and cation.	down arrows or by dragging
Administr Administr Administr Administr Administr Administr Administr Administr Administr Administr Administr Administr Administr Administr Administr Administr Search F User Fold	2.rsimail.rsil.ramco.com:6400 Hopment anty_claim_doc ation Tools hent Samples amples Program Hers	

Select Administrator and click Next.

Add your file(s) to the desired categories. You may add a new personal category usir the buttons to the right of the category tree.
the buttons to the right of the category tree.
Corporate Categories Content Indexing Failures Excluded from Content Search Personal Categories Administrator
Excluded from Content Search Excluded from Content Search
⊡- 🔄 Guest

Click Next



Warranty_claim_doc I	 Run once only Let users update the object Run on a recurring schedule
----------------------	---



Publishing Wizard Specify Repository Refresh Choose whether or not you wish relevant only for reports that use	to refresh a report's repository fields. This setting is repository objects.
Warranty_claim_doc	Use Object Repository when refreshing report
	Enable All Disable All
<	Back Next > Cancel Help

relevant only for reports that ha	n to keep a report s saved data. This setting is ve saved data.
Warranty_claim_doc	Keep saved data when publishing report
	Enable All



Change Defa Choose wh	nult Values nether or not ye	ou wish to chang	je default setting] \$.	R
The wizard Crystal Rep	I has now colle ports Server sy	ected all the infor stem.	mation it needs	to publish your files t	o the
However, j logon infor	you may wish I mation, param	to modify specific eter values).	: properties befo	re publishing (e.g. tit	le, database
If you choo the file to s	ose not to char et these prope	nge this informati arties.	on, the wizard v	vill use existing inform	nation in
	Publish v	vithout modifying	properties		
	C Review of	or modify properti	es		





Click Finish.

鹛 Publishing Wizard				
	The wizard has finished publishing. To view the details about an object, select it in the list below.			
	Name 5.4 Development Warranty_claim_doc Details:			
	Kenter Ke			

Publishing All Report Files in Report Server

Following are the steps for publishing all the report files in report server for the first time.

- Search for *.rpt from ...IIS\EXTUI folder
- Copy and paste it in one common folder where it will overwrite if report files are in same name.
- Publish the Report Files (rpts) from this folder in report server using Publish Wizard explained above in this section.

Similarly if the RPT files are shipped in Regular Shipment, then note will be added in Shipment Release Note to publish the RPT files shipped incrementally.

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