

# Configuring SQL Reporting Services 2005 with Windows SharePoint Services 2003

## Introduction

This article explains how to integrate SQL Reporting Services with Windows SharePoint Services 2.0.

The PreBuild Microsoft's Reporting Services WebPart is used to be configured to display SQL Reports which is to be fetch data from SQL Reporting Services.

## Introduction to SQL Reporting Services

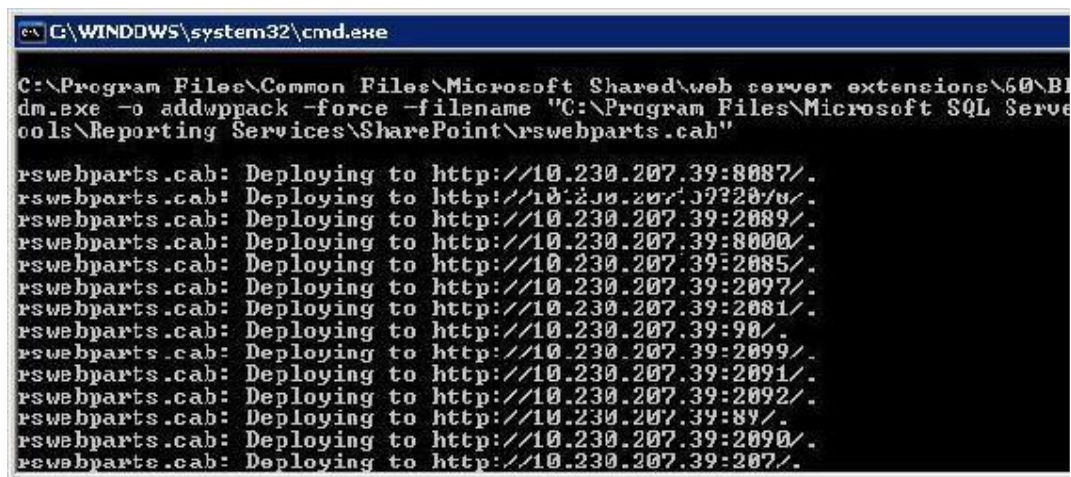
SQL Server 2005 Reporting Services is a server-based reporting platform that you can use to create and manage tabular, matrix, graphical, and free-form reports that contain data from relational and multidimensional data sources. The reports that you create can be viewed and managed over a World Wide Web-based connection.

## Configuring SQL Reporting Services 2005 with WSS 2003

### Prerequisites

1. SQL 2005 Reporting Services
2. RSWebParts.cab RsWebParts Setup: Execute the following commands in shell to install Reporting Services web part to Windows SharePoint services sites.

```
stsadm.exe -o addwppack -force -filename "C:\Program Files\Microsoft SQL Server\80\Tools\Reporting Services\SharePoint\RSWebParts.cab"
```

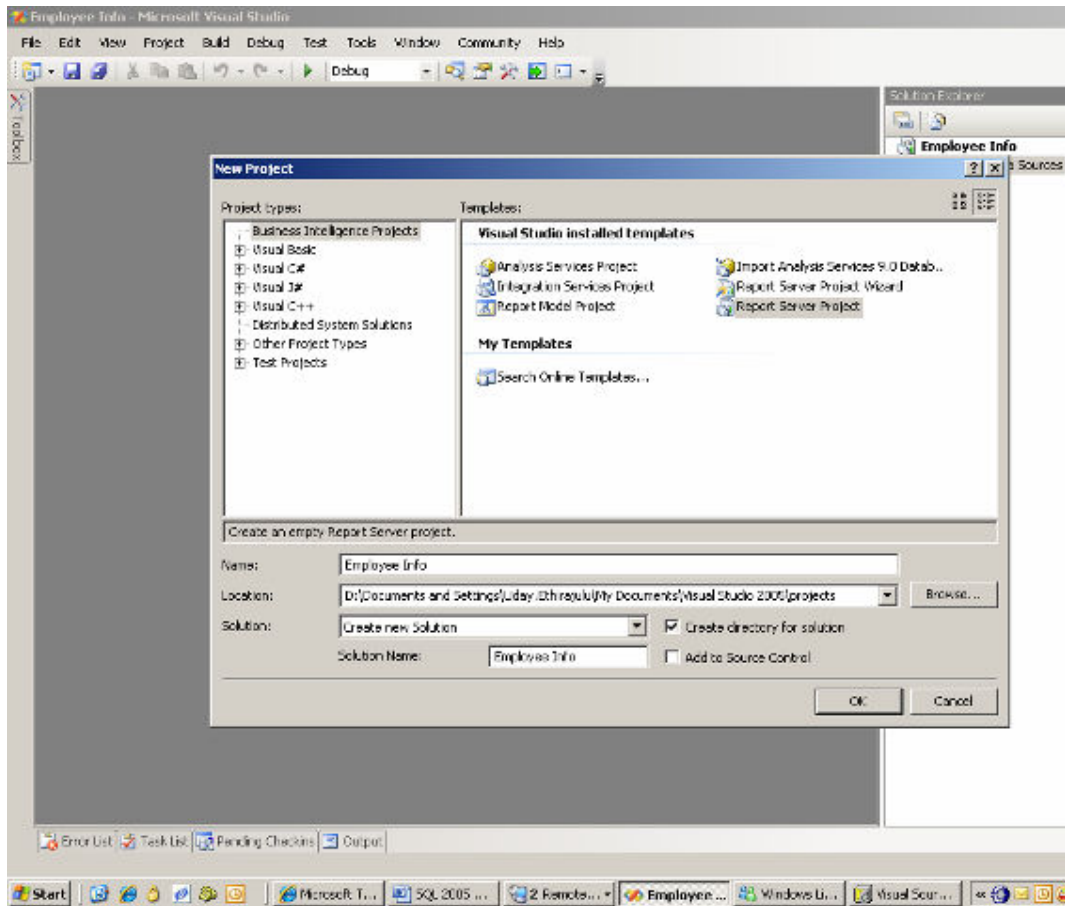


```
C:\WINDOWS\system32\cmd.exe
C:\Program Files\Common Files\Microsoft Shared\web server extensions\60\B1
dm.exe -o addwppack -force -filename "C:\Program Files\Microsoft SQL Serve
ools\Reporting Services\SharePoint\rswebparts.cab"
rswebparts.cab: Deploying to http://10.230.207.39:8087/.
rswebparts.cab: Deploying to http://10.230.207.39:2087/.
rswebparts.cab: Deploying to http://10.230.207.39:2089/.
rswebparts.cab: Deploying to http://10.230.207.39:8000/.
rswebparts.cab: Deploying to http://10.230.207.39:2085/.
rswebparts.cab: Deploying to http://10.230.207.39:2097/.
rswebparts.cab: Deploying to http://10.230.207.39:2081/.
rswebparts.cab: Deploying to http://10.230.207.39:90/.
rswebparts.cab: Deploying to http://10.230.207.39:2099/.
rswebparts.cab: Deploying to http://10.230.207.39:2091/.
rswebparts.cab: Deploying to http://10.230.207.39:2092/.
rswebparts.cab: Deploying to http://10.230.207.39:87/.
rswebparts.cab: Deploying to http://10.230.207.39:2090/.
rswebparts.cab: Deploying to http://10.230.207.39:207/.
```

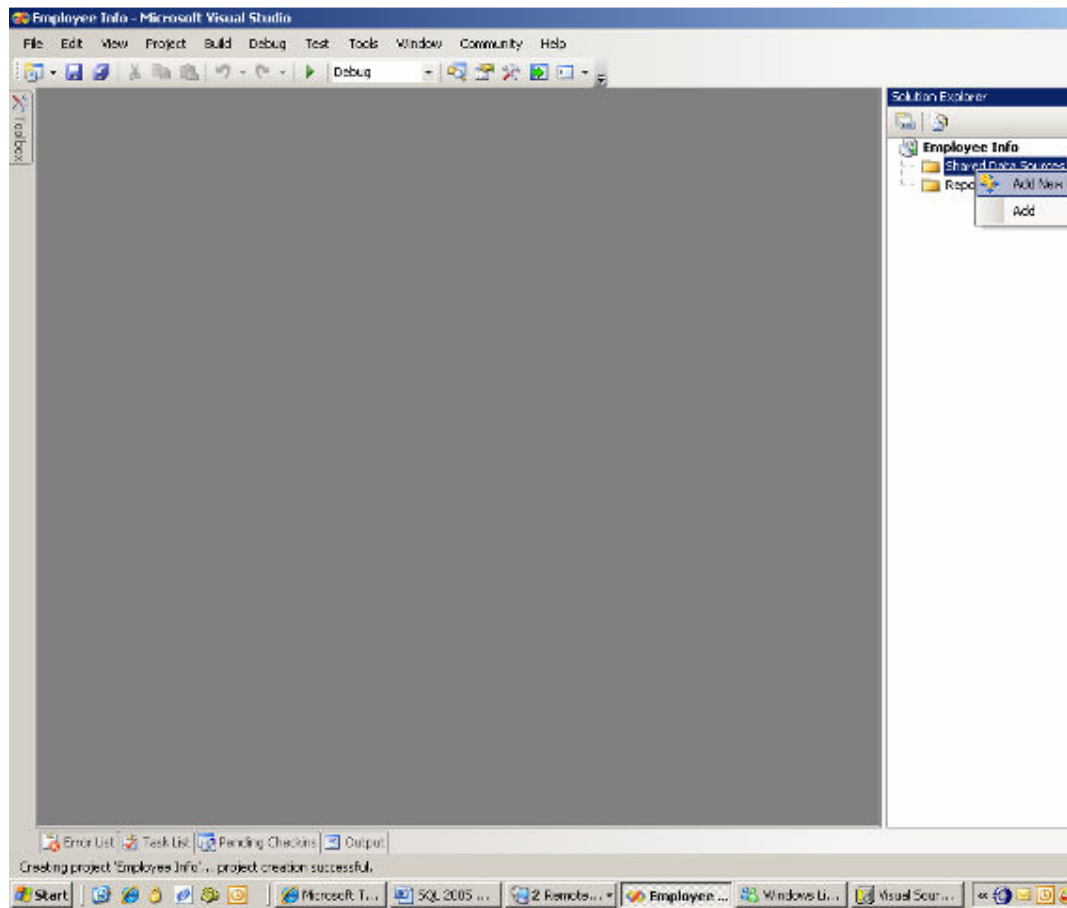
## Creating SQL Report

## Steps:

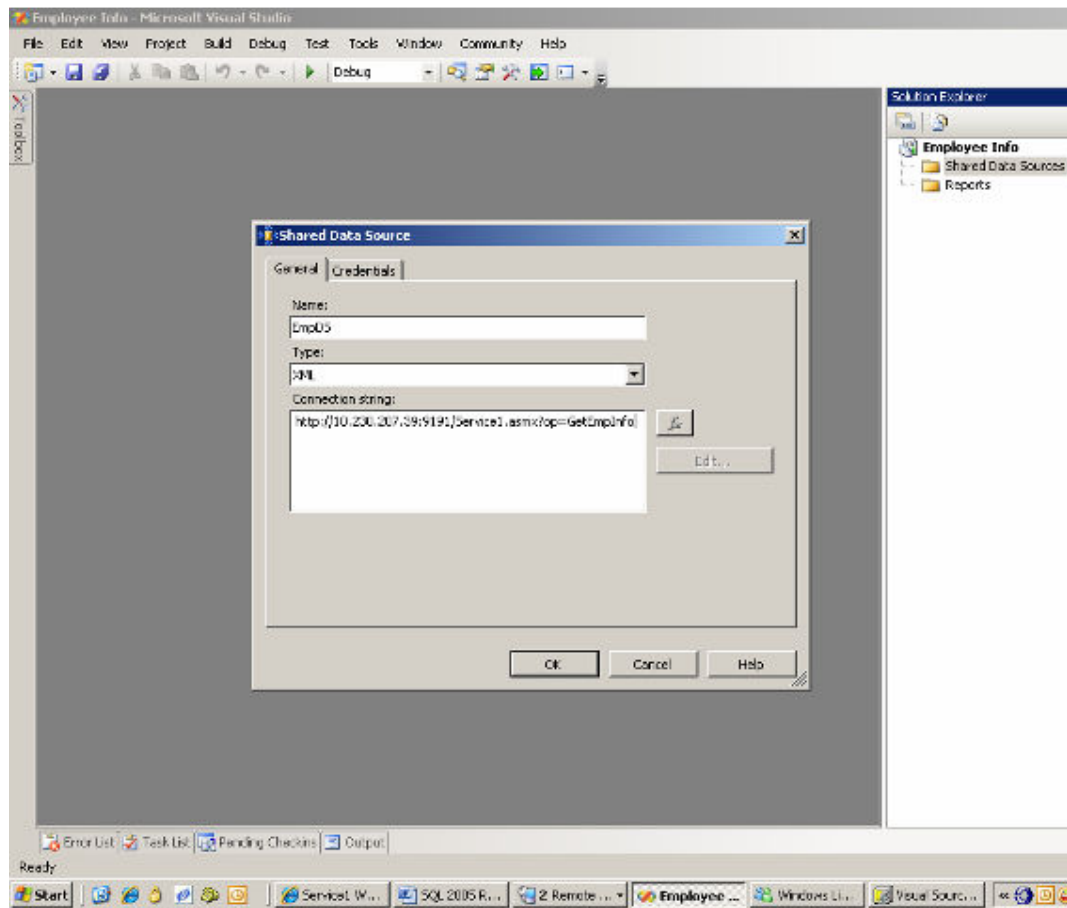
1. Open SQL Server Business Intelligence Visual Studio 2005.
2. Create new Report Server Project.



3. In Solution explorer Right click Shared Data sources and select add new data source.

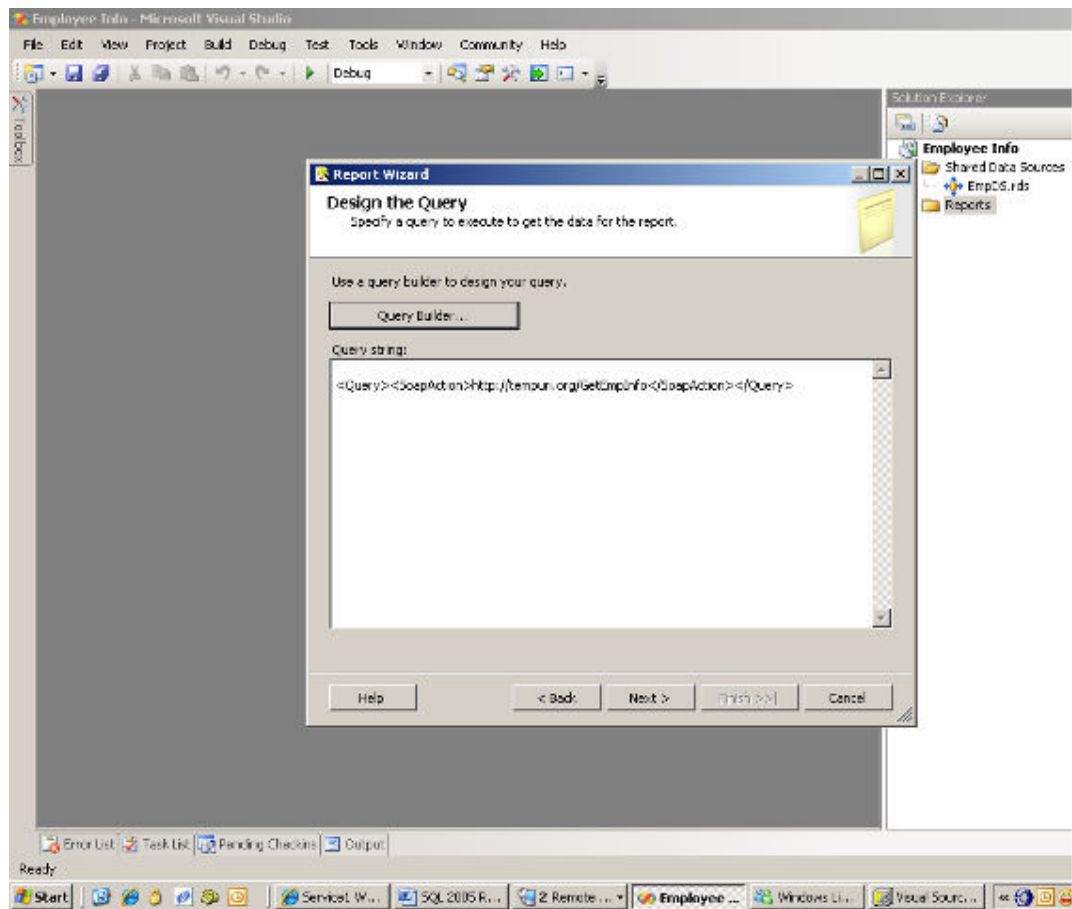


4. Enter the name of the data source and select the type of data source.  
Now the SharePoint list is retrieved through web service. So its xml type.
5. Enter the web service URL as connection string for the data source.



6. Right click the Reports in solution explorer and select add new report.
7. Follow the Reports wizard and choose the data source.
8. Connection string is to be in the xml soap format.

```
<Query>  
  <SoapAction> http://tempuri.org/GetEmpInfo </SoapAction>  
</Query>
```



9. Choose the report fields from the data columns.

**Report Wizard**

### Design the Table

Choose how to group the data in the table.

Available fields:

- URL\_Dir\_Name
- Modified
- Created
- File\_Size
- File\_System\_Obj
- Name
- Virus\_Status
- Document\_Modif
- Document\_Creat
- owshiddenversio
- File\_Type
- HTML\_File\_Type
- Source\_Url
- Shared\_File\_Ind
- InstanceID
- Order
- Title
- Template\_Link
- ProgID
- xmins
- GetEmpInfoResp

Page >

Group >

Details >

< Remove

Displayed fields:

field1  
field2  
field3  
field4

XXXX

XXXX

XXXX

XXXXX

XXX XXX XXX

XXX XXX XXX

XXXXX

XXX XXX XXX

XXX XXX XXX

Help

< Back

Next >

Finish >>|

Cancel

10. Save the Report.

The screenshot shows the 'Report Wizard' window with the title 'Completing the Wizard'. It instructs the user to 'Provide a name and click Finish to create the new report.' The 'Report name' field contains 'EmpInfo'. The 'Report summary' section lists the following details: Data source: EmpDS; Connection string: <http://10.230.207.39:9191/Service1.asmx?op=GetEmplInfo>; Report type: Table; Layout type: Stepped; Style: Slate; Details: field1, field2, field3, field4; and Query: `<Query><SoapAction>http://tempuri.org/GetEmplInfo</SoapAction></Query>`. There is an unchecked checkbox for 'Preview report'. At the bottom are buttons for 'Help', '< Back', 'Next >', 'Finish', and 'Cancel'.

**Report Wizard**

**Completing the Wizard**  
Provide a name and click Finish to create the new report.

Report name:  
EmpInfo

Report summary:

Data source: EmpDS  
Connection string: <http://10.230.207.39:9191/Service1.asmx?op=GetEmplInfo>  
Report type: Table  
Layout type: Stepped  
Style: Slate  
Details: field1, field2, field3, field4  
Query: `<Query><SoapAction>http://tempuri.org/GetEmplInfo</SoapAction></Query>`

☐ Preview report

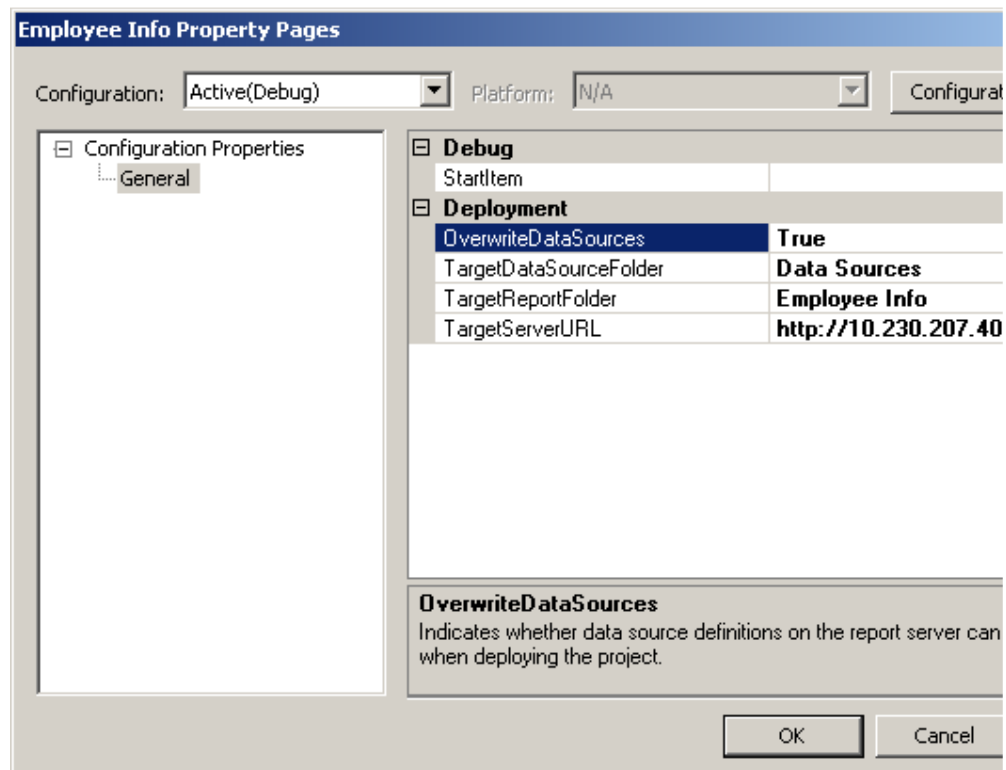
Help < Back Next > Finish Cancel

## Deploying Reports in SQL Reporting Services

### Steps

1. Right click the project and choose properties
2. Enter the Report server URL in the TargetServerURL

(For e.g. [http://10.230.207.40/ReportServer\\$SQL2005](http://10.230.207.40/ReportServer$SQL2005))



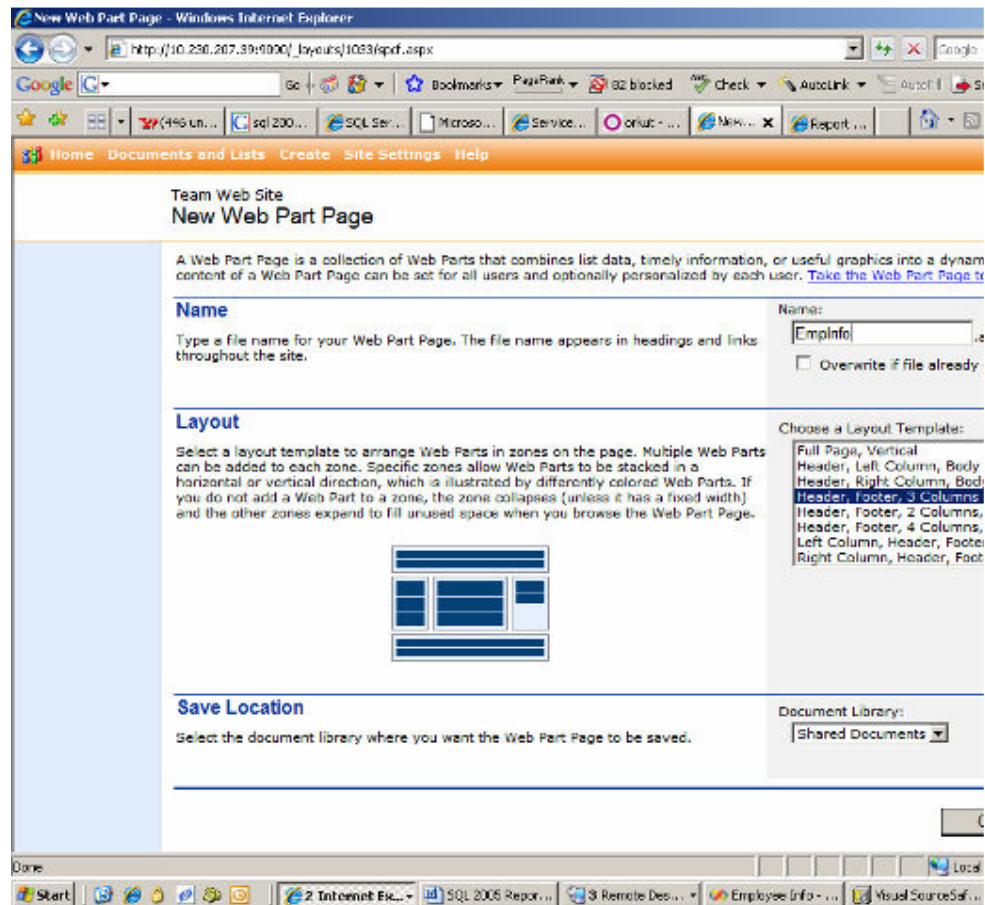
2. Right click the solution and select Build then Deploy the solution.

## Integration with Windows SharePoint Services

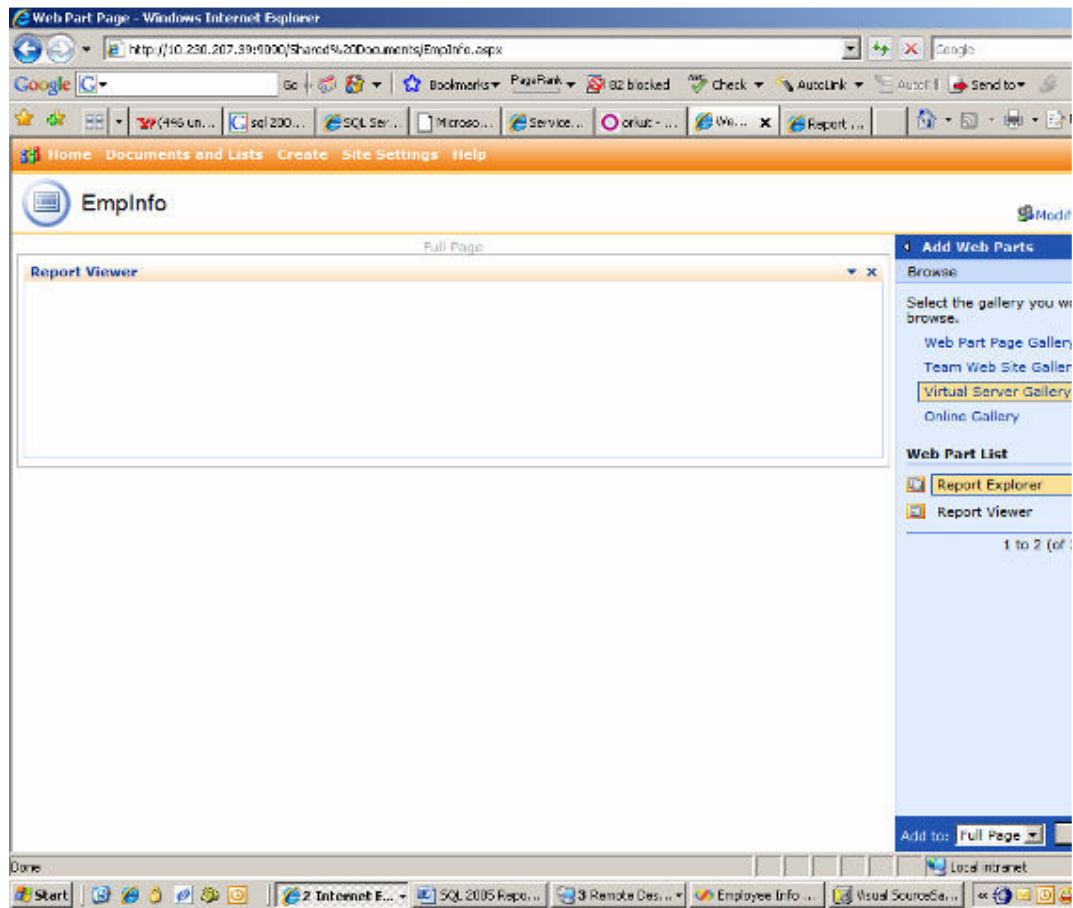
### Steps

1. Create New Web part Page in WSS.





2. Insert the Report Viewer Web Part form Virtual Server Gallery.



3. Select Modify Shared web part and Enter the report URL.

Web Part Page - Windows Internet Explorer

http://10.230.207.39:1000/Shared%20Documents/EmpInfo.aspx

Home Documents and Lists Create Site Settings Help

EmpInfo

Full Page

Report Viewer

1 of 1 100% Find Next Select a format Export

### Employee Information Report

Name	Enterprise Id	Employee Id	Project
micheal	michael.jordan	465464564	EDS
Shailaja	shailaja.kumar	10296472	LN2MS
Bala	Bala.k	98797979	LN2MS
Page	page.walcz	98789797	SEOP
bill	bill.gates	798798797	MS
azim	azim.pram	87656564	WIPTE
mark	mark.brain	987979879	Google
goerge	goerge.keith	7988979	UTRY
narayan	narayan.murthy	6546464	INPRO
Uday	uday.kumar	897797	LN2MS
vivek	vivek.thangaswamy	1028438	LN2MS
Parameshwari	param	10267654	LN2MS

Report Manager URL: http://10.230.207.40/

Report Path: /Employee Info/EmpI

Toolbar Size: Full

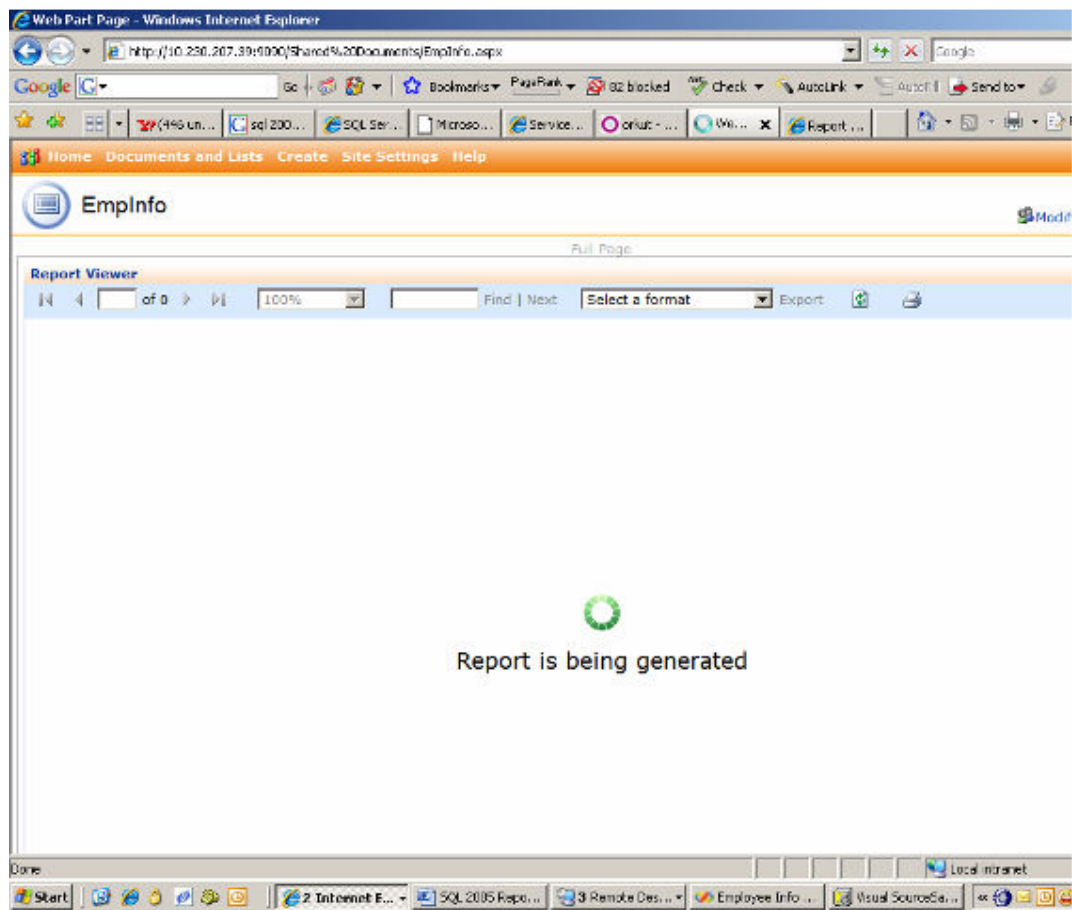
Appearance Layout Advanced

OK Cancel

Done

Skert Internet E... SQL 2005 Repo... Remote Des... Employee Info... Visual SourceSa...

## Report Preview



**SQL Report Successfully Generated in SharePoint WebPart**

Web Part Page - Windows Internet Explorer

http://10.230.207.79:9090/Shared%20Documents/EmplInfo.aspx

Home Documents and Lists Create Site Settings Help

EmplInfo

Full Page

Report Viewer

1 of 1 100% Find Next Select a format Export

### Employee Information Report

Name	Enterprise Id	Employee Id	Project
micheal	micheal.jordon	465464564	EDS
Shailaja	shailaja.kumar	10296472	LN2MS
Bala	Bala.k	98797979	LN2MS
Page	page.waiz	98789797	SEOP
bill	bill.gates	798798797	MS
azim	azim.prem	87656564	WIPTE
mark	mark.brian	987979879	Google
goerge	goerge.keith	7988979	UTRY
narayan	narayan.murthy	6546464	INPRO
Uday	uday.kumar	897797	LN2MS
vivek	vivek.thengaswamy	1028438	LN2MS
Parameshwari	param	10267654	LN2MS

Done

Start Internet E... SQL 2005 Repo... Remote Des... Employee Info... Visual SourceSa...

I hope this article would be helpful to the Developers working on SharePoint integration with SQL Reporting Services 2005.