# **Installation Guide**

This document applies to the following ERP system(s):

Sage 100 (ProvideX and SQL)

# Installation Overview

Creating and installing a new BizInsight environment requires the following steps. If you are upgrading your BizInsight installation to a new version, please refer to the document titled "Applying Updates".

If you are installing on a Terminal Services or Citrix server, please also refer to the document titled "Citrix Terminal Sevices Deployment Guide" for steps specific to that environment.



### IMPORTANT

BizNet Software strongly discourages running BizInsight over a WAN or VPN connection. Performance of the product can be greatly diminished in this configuration because of the volume of data being transferred and bandwidth limitations. Customers may implement the product in this manner but Support for performance issues will not be provided until the issue can be demonstrated to exist in a non-WAN/VPN configuration.

**Notice** Screenshots in this document are provided as examples and may not exactly match what you see in your environment or the values displayed in the screenshots may not be appropriate for your implementation. Be sure to read all instructions completely for guidance on what values you may need to enter.

### System Requirements

Prior to running the content installer, confirm that the following system requirements are satisfied. If any of the following are not satisfied, this installer tool cannot be used.

- **IMPORTANT** For Sage 100 ProvideX customers, the installer *must* be run on the server where the Sage 100 ProvideX data files reside.
- The server operating system is one of the following:
  - Windows Server 2003 R2 (SP2 or later)
  - Windows Server 2008 (SP2 or later)
  - Windows Server 2008 R2
  - Windows Server 2012
- The user performing the installation has Administrator privileges
- Existing SQL Server installations that can be used are SQL Server 2008, SQL Server 2008 R2, SQL Server 2012, SQL Server 2014, and SQL Server 2016. If the existing SQL Server installation is not one of the supported versions, use the Content Installer to install a side-by-side SQL Server 2008 R2 Express instance.



If the server has SQL Server 2016 installed, the Content Installer may fail on two steps. The following workarounds can be used to resolve these issues if they occur:

KBA-01144-W3R9R4 - An error occurred while installing the BizInsight and BizInsightDB databases -- This error occurs when using an existing SQL Server instance instead of letting the Content Installer install a 2008 R2 Express Edition and the server OS is Windows Server 2012.

KBA-01149-Z4J7H1 - System.IO.FileNotFoundException: Could not load file or assembly 'Microsoft.SqlServer.ConnectionInfo' - This issue only occurs if an existing SQL 2016 instance is used and the server has never had any earlier versions of SQL installed.

• The C:\ drive must have at least 5 GB of available space for the SQL Server installation (if an existing SQL installation cannot be used)

### • The server is NOT a domain controller.

In the event the server is a domain controller, a supported version of SQL Server and Reporting Services must be installed manually before running the Content Installer. Example installation steps can be found in the document titled "Installing SQL Server and Reporting Services".

- If the Content Installer will not be used to install an Express edition of SQL Server and Reporting Service, the server *must* have a SQL database engine installed.
- If using an existing SQL Server installation, the Windows log in of the user performing the installation must have sysadmin rights to the SQL server installation.

# Installation Steps

Locate Installation Files	1
Installation Activities for the Server	
Step 1: Create Shared Directory	4
Step 2: Run Content Pack Installer	5
Step 3: Automatic Install	11
Step 4: Assign rights in SQL Server Security	
Step 5: Implement Column Based Security (Optional feature)	
Step 6: Add Registry Entries and Linked Servers	54
Step 7: Grant Rights to Service Account's Temp Directory	
Step 8: CheckTCP/IP, SQL Browser and Firewall Exceptions	60
Step 9: Run Content Installer for Additional Content Pack(s)	
Installation Activities for Client Workstation(s)	91
Step 1: Install Oracle Data Access Components (ODAC)	
Step 2: Install BizInsight	
Installing BizInsight for the Non-Administrative User	
Step 3: Configure BizInsight	
Step 4: Verify the BizInsight Installation	112
Step 5: Install BizInsight Desktop Edition	115
Appendices	118
Adjusting the Sage 100 ODBC paths	
Manually Deploying Content Reporting Services Reports	
Manually Installing BizContent Add-ins	
Converting V4 Reports to BizInsight 5.0	141
OptimizeCache Adjustments	143
Sysadmin Error Workaround	144

BizInsight Column Based Security Overview	152
Assign BizInsight Security to Users	157
Content Installer Manual Install Steps	165
Install Report Server	167
Create Report Server User	172
Create Linked Servers	173
Run Database Scripts	188
Deploy Data Set Content	190
Deploy MetaData Content	193
Deploy Function Content	197
Administration Tool	198
Config Tool	204
Relevant Information	211
Re-Create Custom Objects	212
Retrieving Custom Properties	213

# **Locate Installation Files**

In preparation for installation, download the files that will be required for installation from the BizNet Software portal, (<u>http://biznet.flexnetoperations.com</u>). All files can be found under "Browse My Software and Documentation".

HOME > DOWNLOAD CENTRAL	HOME		
Software & Services Home	Download	Central Home	
Product Search			
Order History		Central Homepage! Check out "My Recent Email Notifications" to view the latest	
Search Line Items	update notifications. "My Recent Files Posted" displays any files posted in the past 30 days. "My Products" shows your list of products.		
Files Not Downloaded	snows you nat or products.		
Recent Product Releases			
Recent Files Posted	Recent Email Notificatio	ns	
Recent Email Notifications	View All		
recent Email Notifications	Mar 20, 2014	BizNet Software Order Notification	
Administration 🌣	Mar 17, 2014	BizNet Product Update Notification	
Account Administrators	Mar 17, 2014	BizNet Product Update Notification	
Account Members	Mar 17, 2014	Password Finder	
Change Password	Feb 27, 2014	Welcome to the BizNet Software Customer Portal	
Email Preferences			
Product Preferences	Recent Files Posted		
Download Preferences	View All		
Your Profile	Mar 17, 2014	BizBroadcast 2.1.1 - Release Notes	
Tour Frome	Mar 17, 2014	BizNet Broadcast 2.1.1 Documentation	
Get Help 0	Mar 17, 2014	BizBroadcast 2.1.1	
Download Help	Mar 17, 2014	Bizinsight 5.0.34.4 Documentation	
Table of Contents	Mar 17, 2014	BizInsight 5.0.34.4 Release Notes	
FAQs	Mar 17, 2014	<u>Bizinsight 5.0.34.4</u>	
Support	Browse My Software an		

Following are the files you will need to download:

- BizInsight 5.0.35.2
- BizInsight Tools.zip this download file contains several tools that you might need to use during implementation. It can be found with the BizInsight product download file.
- BizContent download all BizContent files to which you are entitled (required)
- SQL Server 2008 R2 Installer (required)

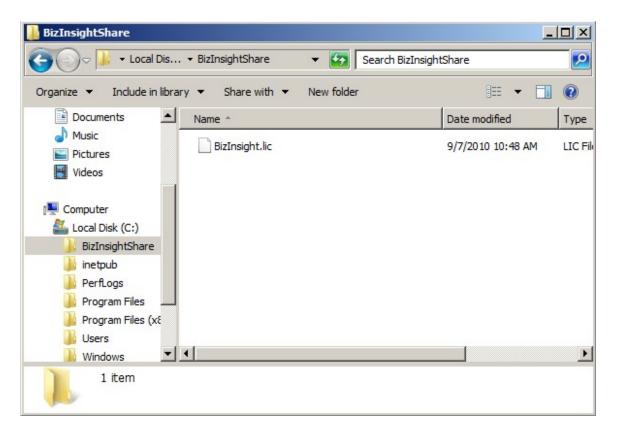
Save these files to any network location that is accessible from both the server and the client workstations. Throughout the documentation you will be instructed to access the contents of these different zip files.

# Installation Activities for the Server

Step 1: Create Shared Directory	4
Step 2: Run Content Pack Installer	5
Step 3: Automatic Install	11
Step 4: Assign rights in SQL Server Security	40
Step 5: Implement Column Based Security (Optional feature)	46
Step 6: Add Registry Entries and Linked Servers	54
Step 7: Grant Rights to Service Account's Temp Directory	57
Step 8: CheckTCP/IP, SQL Browser and Firewall Exceptions	60
Step 9: Run Content Installer for Additional Content Pack(s)	82

# **Step 1: Create Shared Directory**

Create a folder on your server or any network location that will be accessible by the BizInsight users. Copy the BizInsight license to this folder.



You may want to create two subdirectories, one for Admin files and the second for Configuration files for more granular security control. BizInsight users must have modify rights to the config files but will only need read rights to the admin files. Copy the BizInsight license to the Admin folder if you choose to use this folder structure.

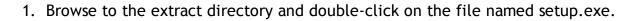
The Admin Tool, which will be used later, will configure sharing and security permissions of this directory for the BizInsight end users.

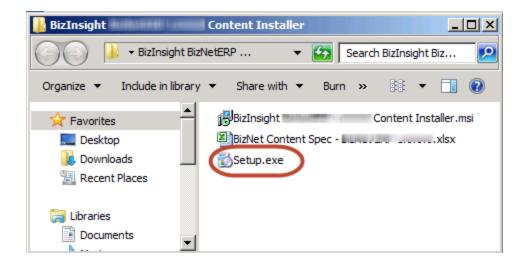
**IMPORTANT** If you are upgrading from a V4 version of BizInsight and want to run your V4 reports without converting them to V5 functions, you must copy your BizFunctions.xml to the content shared directory. See "Converting V4 Reports to BizInsight 5.0 " on page 141 for more information about running V4 reports in V5.

# Step 2: Run Content Pack Installer

Each content pack comes with an installer package that needs to be run on the server that will be used to host Microsoft SQL Server Reporting Services, a required element of a BizContent installation.

**IMPORTANT** For Sage 100 ProvideX customers, this installer **must** be run on the server where the Sage 100 ProvideX data files reside. If you intend to use an existing SQL Server installation and Reporting Services instance, the content installer **must** be run on the database server or a server where a SQL database engine has been installed. It is not designed to be run from a client workstation.





2. The Welcome dialog will open. Click Next.

🙀 BizInsight Content Installer	Content Pack Name	Setup	
	Welcome to the F Installer <i>Conter</i> Wizard The Setup Wizard will ins BizInsightSunGardEAS or continue or Cancel to exi	nt Pack Name	Setup Installer
	Back	Next	Cancel

3. Review the End User License Agreement and if you agree to the terms, check the I accept the terms in the License Agreement checkbox and click Next.

Please read the following license agreement carefully	<b>BizNet</b> softw
End User License Ag	reement
NOTICE TO ALL USERS: PLEASE REAL CAREFULLY. BY CLICKING THE "I A THE BOTTOM OF THIS PAGE OR BY USING THE SOFTWARE, YOU AGREE THE TERMS AND CONDITIONS OF AND YOU AGREE THAT THIS ENEODCEADLE AS IE IT HAD BEEN S	AGREE" BUTTON AT (INSTALLING AND TO ACCEPT ALL OF THIS AGREEMENT AGREEMENT IS
I accept the terms in the License Agreement	

4. Click on the desired **Setup Type** button.

Choose S	Setup Type		
Choose	the setup type that best suit	s your needs	BizNetsoftwa
	Typical		
	Installs the most common p	rogram features. Recom	mended for most users.
	Custom		
	Allows users to choose whic they will be installed. Recon		
	Complete		
	All program features will be	installed. Requires the m	nost disk space.
		Back	Next Cancel

### Custom setup type options that are available:

Istom Setup	u want features to be insta	lad		
Select the way yo	d want reactives to be insta	ileu.	Bi	zNetsoft
Click the icons in t	ne tree below to change th	e way features wi	l be installed.	
Click are reoris in a	ie ace below to change a	e way readines wi	i be instanca.	
Bi	zInsight 1.0.0.0	Co		
	esktop Shortcut			
Pr	ogram Menu Shortcut			
		71. 6 1		
		your hard	re requires 927 drive.	MB on
•		•		
<u> </u>				
	C:\Program Files (x86)\Biz 1.0.0.0\	Vet Software\BizN	etERP	Browse
	10.0101			

5. Click Install.



6. Click Yes to any User Account Control messages.

🌍 User	r Account Contr	ol	×
		o allow the following program from an unknown ake changes to this computer?	
	Program name:	C. Sawer W. H. Dawling (Swinds Barley, DV Balling) 1.	
	Publisher:	Unknown	
	File origin:	Hard drive on this computer	
•	Show details	Yes No Change when these notifications appear	ar

7. When the installer completes, an icon will exist on the desktop if you did not disable the creation of shortcuts.



8. Double-click the shortcut on the desktop to launch the content installer. If you chose a Custom installation and disabled the creation of shortcuts, you

must browse to the directory to which the content installer files were extracted and double-click the **BizNet Content Installer.exe**.

9. The content installer will inspect the server and determine what elements might already exist and indicate their presence. The following screenshot illustrates a system that has not had any content previously installed by a content installer.

🖉 BizInsight 🛛 🛛 Co	ntent Installer
	Relevant Information
Automatic Install Manual Install Stages Install Report Server Create Report Server User Run Script Files	<ul> <li>Reporting Server Not Found</li> <li>Reporting Server User Not Found</li> <li>Scripts Have Not Been Run</li> <li>DataSet Content Not Found</li> <li>MetaData Content Not Found</li> </ul>
Deploy Data Set Content Deploy MetaData Content Deploy Function Content	Function Content Not Found Users Need To Be Added by Admin Tool Settings Need To Be Configured by Config Tool
Admin Tool Config Tool	
Exit	(5)

If you are installing content for Sage 100 ProvideX, the options will be slightly different.

BizInsight MAS90GL 1.0.11.0 Con	tent Installer
	Relevant Information
Automatic Install Manual Install Stages Install Report Server	<ul> <li>Reporting Server Not Found</li> <li>Reporting Server User Not Found</li> <li>Link Servers Not Found</li> </ul>
Create Report Server User	MAS90GL DataSet Content Not Found
Link Servers	<ul> <li>MAS90GL MetaData Content Not Found</li> <li>MAS90GL Function Content Not Found</li> <li>Users Need To Be Added by Admin Tool</li> </ul>
Deploy DataSet Content	Settings Need To Be Configured by Config Tool
Deploy MetaData Content	• Settings Need To be conligured by conlig Tool
Deploy Function Content	
Admin Tool Config Tool	
View Additional Files	
Exit	<u>(5</u>

## Step 3: Automatic Install

This section describes installing using the Automatic Install button. For more details or to install manually, see "Content Installer Manual Install Steps" on page 165 in the Appendices section.

1. Clicking on Automatic Install will open a prompt to designate a folder location. Click on the Browse button and browse to the folder that will be used as the shared directory for BizInsight.

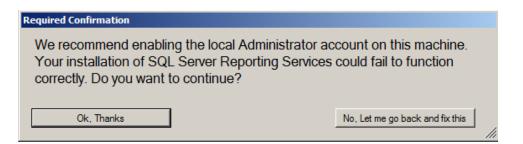
Pre Installation Question		
Deploy Local Content		
Please choose a directory location for the Config	guration Path: C:\BizInsightShare	Browse
This directory will become a shared network dire	ctory after the installation process.	C Override Configuration Path
	Ok	Cancel

If you chose to create separate folders for the admin files and config files, choose the config folder for the path.

Pre Installation Question						
Deploy Local Content				 		
Please choose a directory location	on for the Configuration Path:	C:\BizInsigh	tShare\Config	 		Browse
This directory will become a shar	ed network directory after the ir	nstallation pro	cess.		Γo	verride Configuration Path
	Ok			Cancel		

Click OK.

2. You may be asked to enable the local Administrator account. Click **OK**, **Thanks**, even if you know that the Administrator account is enabled.



3. The installer will ask whether you are using a 32-bit version of Sage 100 or a

64-bit version. Choose the appropriate button.

Driver S	election	
	type of MAS90 providex o you use?	
	32 Bit	
	64 Bit	
	I don't know	
		///

**IMPORTANT** This question controls whether a 32-bit a 64-bit version of SQL Server is installed. SQL Server can only access and use ODBC drivers that are the same bitness. If you do not know whether your Sage 100 installation is using a 32-bit or 64-bit ODBC driver, click I don't know and the installation will be canceled. You will need to ascertain that information before the installation can proceed.

BizNet	×
Install Canceled. Install canceled. Please verify the bitness of your ProvideX driver before continuing with the installation.	
OK	

4. If the Content Installer detects existing instances of SQL Server Reporting Services installed on the local server machine, the following dialog will display giving you the option to use the existing installation or to install a side by side installation.

#### Select Sql Server

Sql Server has been detected as already installed on you computer.

Click here to start a side by side install of Sql Sever 2008 R2 Express. (Recommended)

Instance Name: MSSQLSERVER, Sql Server 2008 R2, 32Bit

Click here to use a currently installed Sql Server that you have checked above.

Click here to override and enter your Sql Server information

Click here to cancel install.

Option	Description
Click here to start a side by side installation of SQL Server 2008 R2 Express	The side-by-side option is the recommended option to ensure that all configuration changes needed for BizInsight purposes do not interfere with other applications that may be using SQL or Reporting Services.
Click here to use a currently installed SQL Server that you have checked above	Use this button to specify that the installer use a detected existing instance. Be sure to check the checkbox next to any detected instance before using this button. IMPORTANT If Sage 100 is using a 64-bit ODBC driver and an existing 32-bit SQL instance is detected, do <b>not</b> choose that existing instance. Instead, choose to do a Side-By-Side installation of SQL Server. A 64-bit ODBC driver cannot be used by a 32-bit SQL Server instance.

Option	Description
Click here to override and enter your Sql Server information	Use this button If you need to specify a different port or want to use HTTPS for secure communications or your existing installation is not detected.
	When this button is clicked, a warning will display to emphasize the requirement that the content installer must be run on a server with a SQL database engine installed. Click OK to clear the message.
	X
	The SQL Server override must connect to a SQL Server on machine SERVER2008R2
	OK
	Report Server Override
	Connection Sting For SQL Server Server-SERVER2008R2'instance_name.Trusted_Connection=True;
	Windows Authentication Example         Test SQL Server Authentication Example           Web URL For Report Server
	http://[MACHINE-NAME/ReportServer_[REPORT-SERVER-INSTANCE] Test Report Server Connection
	Oventde Report Server Install Cencel
	In the <b>Connection String for SQL Server</b> field, enter a valid connection string for the SQL Server instance to which the Content Installer should install the SQL MetaData databases. Use the <b>Windows Authentication Example</b> or the <b>SQL Server</b> <b>Authentication Example</b> buttons to populate the connection string with sample syntax. Be sure to change the values to
	values valid for your environment.
	In the <b>Web URL for Report Server</b> field, enter the <b>web service</b> <b>URL</b> for the Reporting Services site to which Content Installer should deploy the content RDLs.

If no Reporting Services Server is detected, the process automatically installs SQL Server 2008 R2 Express with Advanced Services and uses "BIZNET" as the default Report Server instance name.

Content Installer	
Save to: C:\Users\linda\AppData\Local\Temp\Temp Working Area\SQLEXPRADV_x86_ENU.exe	
File size:	
	Cancel
Please wait while your download starts	

**IMPORTANT** IF an existing reporting services installation that you want to use is not detected by the installer or you are not able to use the Override option, contact BizNet Software Support for assistance.

If you get the following error after selecting the side by side installation, verify that you have internet access.

Error		×
$\bigotimes$	An error occurred while downloading file. Possibe causes: 1) File doesn't exist 2) Remote server error	
	ОК	

If the side-by-side installation fails, contact BizNet Software Support for assistance.

5. For customers installing Sage 100 ProvideX content, the Link Servers dialog will open. This step will create ODBC data sources and Linked Servers for each Sage 100 company from which data will be retrieved using BizInsight. Sage 100 SQL customers can skip forward to the next step, <u>Content Deployment</u>.

🖉 Link Servers			×
Stage 1: Setup Driver Found and using MAS 90 4.0 ODBC Driver	Stage 5: Detect	Stage 6: Create	
Location of Driver: C:\WINDOWS\SYSWOW64\PVXODBC.DLL			Choose OS Type
Browse For Driver Location			C 32 - bit Version
Manually Enter Driver Location			64 - bit Version
Stage 2: Database Location			Registry Entries
The directory and database are detected. PROVIDEX.DDF was found			C Install Automatically
Location of Database: C:\Sage Software\MAS 90\Version4\MAS90			Create File
Browse For Database Location			Linked Servers
Manually Enter Database Location			C Install Automatically
Administration De	age 5: ¬ etect		Create File
User ID: ENTER USER ID	1		
Data	Zheck atabase For		
	npanies		Start Process
	dd All		Ver:2.1.4.0
Con	ompany Codes		1
Change File Location	Add		Exit
Registry File Name: Con	alected Impany Codes		
Change Registry File Name			
Createl inkedServers Det	Clear stected Codes		
Change SQL File Name			1

6. You will work through this dialog starting with the Stage1 section (upper left).

### a. Stage 1: Setup Driver

The installer will try to automatically detect the ProvideX ODBC driver

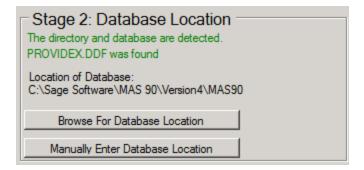
Stage 1: Setup Driver Found and using MAS 90 4.0 ODBC Driver
Location of Driver: C:\WINDOWS\SYSWOW64\PVXODBC.DLL
Browse For Driver Location
Manually Enter Driver Location

If the driver is not found, click on the Browse button to browse to the directory in which the driver is located. Or manually enter the path.



### b. Stage 2: Database Location

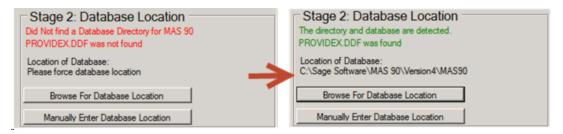
The installer will try to automatically identify the location of the MAS90 company data directories.



**CRITICALLY IMPORTANT** If the detected database location is a UNC path or a mapped drive path, you must go to Task Manager and end task the Content Installer. See "Adjusting the Sage 100 ODBC paths" on page 119 for instructions on how to change the detected paths to a local directory on the server. If this installation is being done on a server that is not where the Sage 100 ProvideX data is located, you must perform the installation on the Sage 100 data server.

If the installer cannot find the directories, click on the Browse button

and browse to the directory that contains the SAGE 100 company database directories (MAS\_XXX). This location should be a local drive, not a mapped drive or a UNC path.



### c. Stage 3: Database Administration

Provide a SAGE 100 login id and password with rights to all companies from which data will be retrieved using BizInsight. BizNet recommends creating a login id for BizInsight reporting purposes and using this login id instead of using an existing user's login and password that could be changed or deleted in the future.

<ul> <li>Stage 3: Administr</li> </ul>	Database ation
User ID:	ENTER USER ID
a	hange User ID
Password:	ENTER PASSWORD
Ch	ange Password

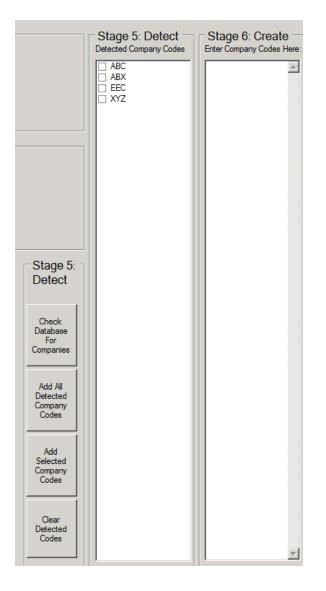
#### d. Stage 4: Created File Details (Optional)

This section allows you to override the default file location and file names that the tool can create for the next installation steps.

Stage 4: Created File
Location For Created Files C:\
Change File Location
Registry File Name: CreateODBCDataSources
Change Registry File Name
SQL File Name: CreateLinkedServers
Change SQL File Name

e. Stage 5: Detect and Stage 6: Create

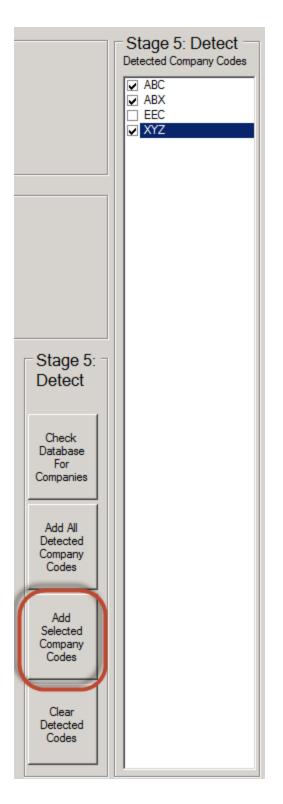
Use this section to automatically detect existing Sage 100 companies and select which ones to setup for BizInsight reporting.



The **Check Database For Companies** button will load all Sage 100 companies into the **Stage 5: Detect** pane.

The Add All Detected Company Codes button will add all detected companies to the Stage 6: Create pane.

To add only certain companies for BizInsight reporting, check the checkbox next to the company code in the **Stage 5: Detect** pane and then click the **Add Selected Company Codes** button.



Use the Clear Detected Codes button to start over.

### f. Choose OS Type

Select the appropriate radio button to indicate the bitness of the *server* hardware, 32-bit or 64-bit.

#### g. Registry Entries and Linked Servers

Use these options to control the next installation steps. Make sure the **Create File** option is selected. This will create files in the directory specified in the Stage 4 section. You will execute these files yourself when the content installer completes.

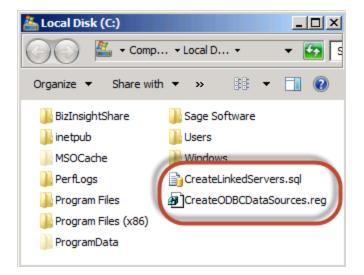
Registry Entries
C Install Automatically
Create File
linked —
Lintoa
Servers
Servers Install Automatically

h. Click on the Start Process button.

You will received the following message when the **Create Files** option is selected. Click **Yes**.



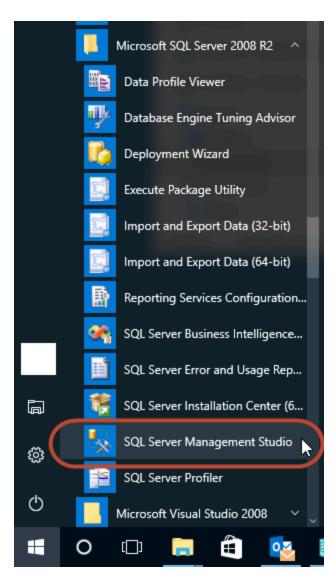
A Windows Explorer window will open to the directory containing the files that were created.



- i. Open the CreateODBCDataSources.reg file with Notepad.
- j. Search for **pvxodbc.dll** and check to see if there is a single back slash preceding the file name or two back slashes. If there is only a single back slash, do a search and replace of \pvxodbc.dll with \\pvxodbc.dll.

	÷
CreateODBCDataSources.reg - Notepad	
File Edit Format View Help	
SAGE\SAGE2014\MAS90\\sv\\. C.\\SAGE\SAGE2014\\MAS90\	SOFTWARE\wow6432Node\oDBC\ODBC.INI\WAS90]"Oriver"="Game ctory"="C:\\SAGE\SAGE2014\\MAS90"Inifile"="""Prefix"="C: \=\\""yiesubli"C:\\SAGE\SAGE2014\\MAS90\\home" le"="\\PVXODBC.LOG""RemotePVXLOHOSt"="""RemotePVXLOPOrt"="" "J""BurstWodBe"="J""KevRestrict"="0"""ForceDouble"="0"

k. Save the file, being sure to preserve the .reg extension, then doubleclick to create the ODBC data sources.  Open SQL Server Management Studio (Start > Programs > Microsoft SQL Server version > SQL Server Management Studio)



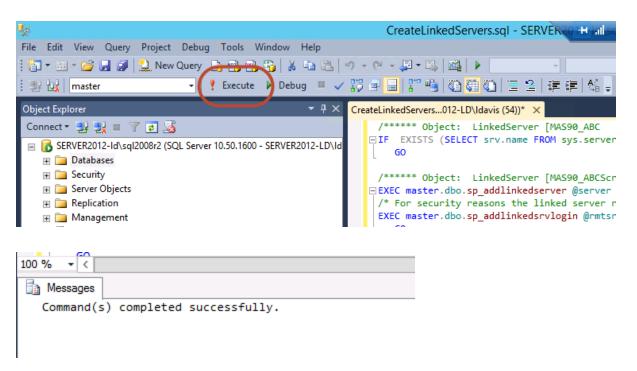
m. Click on File > Open > File, browse to C:\ and select the CreateLinkedServers.sql file.

5	Open File		x
⋲ 💿 - ↑ 👗 •	This PC 🔸 Local Disk (C:) 🛛 🗸 🖒	Search Local Disk (C:)	,ο
Organize 👻 New fol	er	•==	
SQL Server Manage     SQL Server Man	Name	Date modified	Type 🔺
	Packaged Content	12/17/2015 5:05 PM	File fol
⊿ 🔆 Favorites	PerfLogs	8/22/2013 10:52 AM	File fol
E Desktop	PortQryV2	5/17/2016 9:20 AM	File fol
🗼 Downloads	🌗 Program Files	10/14/2016 11:52	File fol
Recent places	Program Files (x86)	11/10/2015 8:09 AM	File fol
	🌗 ProgramData	2/2/2015 12:48 PM	File fol
⊿ 🖳 This PC	🎉 Users	3/10/2016 5:04 PM	File fol
🛛 📙 Desktop	🎉 V2Share	5/27/2015 3:25 PM	File fol <sub>■</sub>
Documents	J Windows	10/14/2016 11:56	File fol
🛛 📙 Downloads	XL Connect Developer	5/26/2016 10:19 AM	File fol
🛛 🚺 Music	CreateLinkedServers.sql	2/9/2015 12:49 PM	SQL Fi
Pictures	CreateODBCDataSources.reg	2/9/2015 12:49 PM	Registi 🗸
Videos	< III		>
Fil	name: 🗸 🗸	All Files (*.*)	~
		Open 🛛 Car	icel

If the following message is displayed, click Yes.

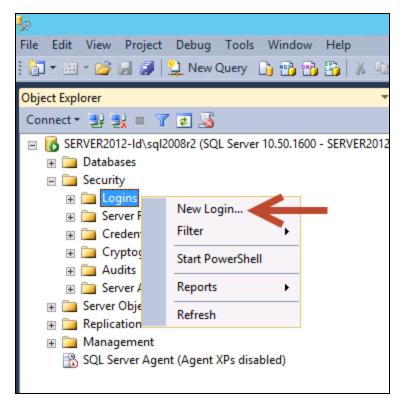
Inconsistent Line Endings ? X	
The line endings in the following file are not consistent. Do you want to normalize the line endings? C:\CreateLinkedServers.sql	
Line ending:	
Windows (CR LF) 🗸	
Yes No	
Always show this dialog	

n. Click Execute to run the script.



o. The BizInsight Content Installer only grants SQL sysadmin rights to the user performing the installation. It is a good idea to add additional administrative logins to ensure more users have sysadmin rights to this SQL installation. The next steps describe how to add the built-in Windows group "Domain Admins" with sysadmin rights as an example.

p. Expand the **Security** node in the SQL Server Management Studio Object Explorer. Right-click on **Logins** and choose **New Login**.



q. Click on Search.

8	Login - New	_ <b>D</b> X
Select a page Page General	Script 🔻 📑 Help	
Server Roles User Mapping Securables Status	Login name:   Windows authentication  SQL Server authentication	Search
	Password: Confirm password: Specify old password	
	Old password: Enforce password policy  Enforce password expiration	~~~~~

r. Click on **Object Types** and check the **Groups** checkbox. Click **OK**.

	Select User or Group	x	
Select this obj	ect type:	$\frown$	
User or Built-in	n security principal	Object Types	
From this locat	ion:		
SERVER201	24 D	Locations	
Enter the ob	Obj	ect Types	×
Advance	Select the types of objects you want to find.  Object types:  Other objects  Groups  Groups Users Users		
Connection			
Server: SERVER2012	L	ОК	Cancel
Connection:			

s. Select your domain and click OK.

	Select User or Group	x	
Selec	t this object type:		
User	, Group, or Built-in security principal	Object Types	
	this location:		
SER	VER2012-LD	Locations	
Ent	Locations		x
	Select the location you want to search. Location:		
Conn			
Serve SER			
Conn SER		ОК	Cancel

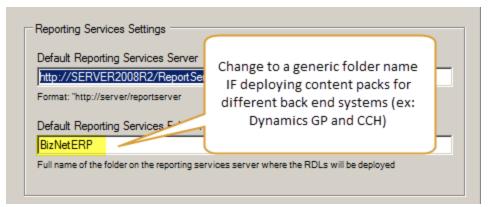
t. Type **Domain Admins** in the object name field, or the name of any administrator user that should have sysadmin rights to the BizNet SQL instance. Click **OK**.

Select User or Group	x
Select this object type:	
User, Group, or Built-in security principal	Object Types
From this location:	
SERVER2012-LD	Locations
Enter the object name to select ( <u>examples</u> ):	_
domain admins	Check Names
Advanced OK	Cancel

u. Select the Server Roles page and check the sysadmin checkbox.

8	Login - New	-		x
Select a page	Script			
Connection				
Server: SERVER2012/d/sql2008r2 Connection: SERVER2012-LDVdavis				
Progress				
Ready				
	ОК		Cance	<b>:</b>

- v. Once completed, return to the Content Installer to continue with the installation.
- 7. The Content Deployment dialog will open next. Most values will be automatically completed for you in this dialog.
  - a. **IMPORTANT** If you will be installing content packs for multiple back end systems (example, , change the **Default Reporting Services Folder Path** to something generic like "" to ensure the content is deployed to the same folder. Do this for each content pack being installed. This is important because BizInsight can be pointed to only one reporting services folder so all content must be deployed to the same folder.



b. Skip this step if you are using Sage 100 ProvideX. Adjust the Server Name field if your accounting system database is on another server.

Overwrite Datasources	Data Source Name: BizNetERP
	Server Name:
Overwrite Reports	SERVER2008R2
Preserve Folder Structure	Database Name:
	master
Use Folders for Datasources	Use Windows Authentication
	C Prompt For Credentials

c. Skip this step if you are using Sage 100 ProvideX.

Adjust the **Database Name** field to point to your accounting system database. If your accounting software uses a system or control database, provide the name of that database rather than a company database name.

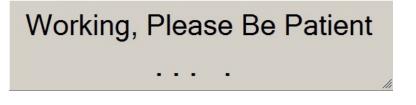
Overwrite Datasources	BizNetERP
_	Server Name:
<ul> <li>Overwrite Reports</li> </ul>	SERVER2008R2
Preserve Folder Structure	Database Name:
Freserve Folder Structure	BizNetERP
Use Folders for Datasources	Use Windows Authentication
	C Prompt For Credentials

d. Skip this step if you are using Sage 100 ProvideX - data can only be retrieved using Windows authentication.

Select the desired authentication method - Windows authentication or Prompt for Credentials.

BizNetERP
Server Name:
SERVER2008R2
Database Name:
BizNetERP
Use Windows Authentication
C Prompt For Credentials

e. Click Deploy Content to continue.



The **Content Deployed Successfully** dialog will open and display the Web Service and the Report Manager URLs. Click **Close**.



If you encounter an error deploying the DataSet Content, contact BizNet Software Support for assistance.

8. The content installer will continue automatically installing elements. You will see the content installer window update with green checks as the installer completes the elements.

🐝 BizInsight (	ontent Installer	x
	Relevant Informati	ion
Automatic Install         Manual Install Stages         Install Report Server         Create Report Server User         Deploy DataSet Content         Deploy MetaData Content         Deploy Function Content         Admin Tool         Config Tool	<ul> <li>Reporting Server Found</li> <li>Reporting Server User Found</li> <li>DataSet Content Found</li> <li>MetaData Content Found</li> <li>Function Content Found</li> <li>Users Need To Be Added by Admin Tool</li> <li>Settings Need To Be Configured by Config Tool</li> </ul>	
5.a		
Exit	<u>č</u>	2

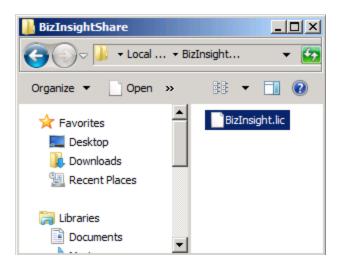
### 🔨 IMPORTANT

If the Deploy MetaData step fails with a message that the user does not have sysadmin rights, see "Sysadmin Error Workaround" on page 144.

9. The License Administration Tool will open. Click on the browse button.



Browse to the directory that contains the BizInsight license file.



10. Click the **Validate License** button to review the license information. The number of licenses purchased will be displayed.

License Administration Tool - SERVER2008R2\linda	
Administration Path	
C:\BizInsightShare\Admin\BizInsight.lic	
Network share where your license file is stored.	
Validate License	
BizNet Software Test License Expiration 01/31/2029	
Developer 1	
Designer 2 Viewer 2	
DrillDown 2	
Configure Users	
	Exit

11. Click on the **Configure Users** button to add your BizInsight users and assign them to a BizInsight user type (Developer, Designer, Viewer or Drilldown). Click **Commit Changes** when finished.

**WARNING** Do not add your own login using the Admin Tool unless you know for sure that you have another login available with sysadmin rights to the SQL Server instance. Early versions of the content installer (pre version 1.6) will remove existing permissions for users, including those with sysadmin rights. If uncertain, skip this step and confirm sysadmin access will not be lost then return to complete the Admin Tool step.

🐝 License Administration Tool	- SERVER2008R2	linda	<u>_   ×</u>
Administration Path	🖉 Current Users		
C:\BizInsightShare\Admin\BizInsi	User Type	Users	
Network share where your license	Designer 💌	domain∖linda	
	Designer 💌	domain \albert	
Validate License	Viewer 💌	domain \marilyn	
BizNet Software Test License	Viewer 💌	domain\frank	
Expiration 01/31/2029	•		
Developer 1 Designer 2 Viewer 2 DnillDown 2 Configure Users			
	Add Row	Delete Row	Commit Changes



To avoid errors when the License Administration Tool sets up security, be sure to include the domain in front of the login ids.

12. You will be prompted to assign the necessary folder permissions and Reporting Services security to the users. Click **Yes**.



For more information about the permissions that are set, see "Permission Details" on page 201.

13. The **Configuration Tool** dialog will open. This dialog is already pre-populated with appropriate default values.

ierierai	User Experience Performance Security	
	rver MetaData Connection connection information for BizInsight databases. Database instance name not required if using default.	
SERVER	R2008R2	
-Configu	ration Path	
-	ration Path ork share where the content files are stored	
Netwo		
Netwo	ork share where the content files are stored	
Netwo	ork share where the content files are stored /ER2008R2\ConfigurationPath	1

Basic options to consider adjusting are listed below.

Tab Name	Option	Purpose
General	Content Path Override	If your user profiles are remapped to network directories instead of to local hard drive locations, use this option to specify a default local directory to which the BizInsight Scan for Content feature can copy the BizContent add- in files.
Performance	Query Timeout	If your organization has a large chart of accounts and many transactions each month, it may be advisable to adjust this setting to a higher value. The default is 3 1/2 minutes but customers with significant data volumes may benefit from a larger timeout setting when drilling down to transaction detail.

Tab Name	Option	Purpose
Security	SQL Authentication Prompt	If BizInsight users will be using SQL authentication to retrieve data from the accounting system database, change this option to the <b>Ask only once</b> radio button to ensure that users only have to provide their credentials once for a given Excel session. IMPORTANT Sage 100 ProvideX customers cannot use SQL authentication.

Regardless of whether changes were made, click **Configure now** to produce an app.config file that will be saved to the Configuration Path.

Click **Exit** to close the tool. For more information about this tool, see "Config Tool" on page 204.

14. After automatic install is complete, relevant information about the installation is displayed. Click **Close**.

🖉 Automatic Install Completed		_ 🗆 🗙		
The installaton has completed successfully. Please record the information below to be used during the installation of BizInsight.				
Copy and Paste the following into Application Settings of BizInsight.				
Config Path:	\\SERVER2008R2\ConfigAdminPath			
	C:\BizInsightShare			
Admin Path:	\\SERVER2008R2\ConfigAdminPath			
	C:\BizInsightShare			
Report Server Url:	http://SERVER2008R2/ReportServer			
Report Folder:	<u>BizNetERP</u>			
Click the Configure SQL Button Select the Use SQL Server for MetaDat Copy and paste the following into Datab				
Sql Server MetaData Database and Instance Name:	SERVER2008R2			
Close	Copy to Clipboa	rd //		

If you chose to use separate folders for the Admin and Config files, the dialog

will look similar to the following:

🖄 Automatic Install Completed			
The installaton has completed successfully. Please record the information below to be used during the installation of BizInsight.			
Copy and Paste the following into Application Settings of BizInsight.			
Config Path:	\\SERVER2008R2\ConfigurationPath		
	C:\BizInsightShare\Config		
Admin Path:	\\SERVER2008R2\AdministrationPath		
	C:\BizInsightShare\Admin		
Report Server Url:	http://SERVER2008R2/ReportServer		
Report Folder:	<u>BizNetERP</u>		
Click the Configure SQL Button Select the Use SQL Server for MetaDat Copy and paste the following into Datab			
Sql Server MetaData Database and Instance Name:	SERVER2008R2		
Close	Copy to Clipboar	d	

15. The content installer will indicate that all elements have been successfully installed. Click **Exit**.

### Step 4: Assign rights in SQL Server Security

BizInsight users will need permissions to retrieve data from the accounting system database or if the content pack is designed to retrieve data using a SQL linked server, the users will need rights to the master database in SQL Server.

**NOTE** If you are managing SQL Server security with an Active Directory group, just add the new BizInsight user to that Active Directory group and go to the next step.

1. Click on Start > Programs > Microsoft SQL Server Version > SQL Server Management Studio.

Administrator			
	😏 My Computer		
5 5 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Microsoft Update Windows Catalog Windows Update Accessories Microsoft SQL Server 2008	s +	
<ul> <li>□</li> <li>□</li></ul>	Microsoft SQL Server 2008 R2  Startup	~	s Services Iration Tools
100 C	Internet Explorer Outlook Express	~	ition Services nance Tools
All Programs 🔸 🗾	Administrative Tools  Adobe Reader X		and Export Data (32-bit) rver Business Intelligence Development Studio
	🖉 Log Off 🛛 🚺	SQL Sei	rver Management Studio
🍠 Start 🛛 🚱 🏉			

2. The **Connect to Server** dialog will open. Connect to the SQL Server instance that hosts your accounting system database. Sage 100 ProvideX customers, this will be the instance that contains the linked servers.

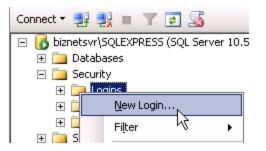
Jense Connect to Server		×	
SQL Server 2008 R2			
Server type:	Database Engine	•	
Server name:	server2008r2\BizNet	-	
Authentication:	Windows Authentication	•	
User name:	SERVER2008R2\Vinda	~	
Password:			
	Remember password		
Connec	t Cancel Help Option	s >>	

3. In the left pane, expand **Security.** Look for your existing users to determine whether they have been setup to use their Windows domain account or a SQL Server account. You can tell one from the other by the presence of the domain in front of the user name.



**NOTE** If the user's login already exists in SQL Server, right-click their login id and choose Properties. Then click <u>here</u> to jump to the User Mapping step.

4. Right-click on Logins and click New Login.



5. In the Login - New dialog box, enter the user's name in the Login name field. If your existing users were setup with their Windows logins, click on Search to browse for an existing Windows login id. If your existing users were setup with a SQL account, type the new user's login id and change the radio button to SQL Server authentication.

🚪 Login - New			
Select a page	🔄 Script 👻 📑 Help		
General Server Roles Suser Mapping	Login <u>n</u> ame:	YourDomain\Idavis	S <u>e</u> arch
Securables	Windows authentication		
🚰 Status	SQL Server authentication		
	Password:		
	Confirm password:		
	🗖 Specijfy old password		
	<u>O</u> ld password:		
	Enforce password polic	y.	
	Enforce password egpir	ation	
	🔽 🛛 ser must change pass	word at next login	
	O Mapped to certificate	<b>T</b>	
	O Mapped <u>t</u> o asymmetric key	· · · · · · · · · · · · · · · · · · ·	
	Map to Credential	<b></b>	Add
Connection	Mapped Credentials	Credential Provider	
Server: Server2003			
Connection: SERVER2003\Administrator			
View connection properties			
Progress			Remo <u>v</u> e
Ready	Default <u>d</u> atabase:	master 💌	
- 14 A B B	Default language:	<default></default>	
		ОК	Cancel

**IMPORTANT** SQL authentication will not work for Sage 100 ProvideX accounting systems. If you do not have an Active Directory domain, each user's login will need to be created as a local login on the Sage 100 ERP data server with the same login id and password that the user uses on their client workstation to mimic Windows authentication.

6. Click on **User Mapping** in the left pane. Check the **Map** checkbox next to the accounting system database.

General Server Roles User Mapping	Users ma	ppe <u>d</u> to this login:			
Securables	Мар	Database	User	Default Schema	<b>_</b>
Status		001			
		AccPac			
		amwsys			
		BizInsight			
		BizInsightDB			
		BizNetERP			
		ССН			
		Company01			
		Company11			
		CPU			-

If your content pack uses linked servers (Sage 100, QAD SE or EE, etc.), click the checkbox next to the master database.

🚪 Login - New				<u>_ D ×</u>
Select a page General Server Roles	Script -	The Help		
Iser Mapping	Map	Database	User	Default Schema 🔺
🚰 Status		MAS_ABX		
		MAS_BizNetMR		
		MAS_MFG		
		MAS_SYSTEM		
		mas500_app		
		master		
		model		
		msdb		
		ReportServer		
		ReportServer_Epicor		<b></b>
$h \sim h \sim h$	$\sim$		····-	A

7. Once the database is checked in the upper pane, check the **db\_datareade**r role membership in the bottom pane. Click **OK**.

	Database <u>r</u> ole membership for: master
Connection	db_accessadmin
Server: Server2003 Connection: SERVER2003\Administrator View connection properties View connection properties	□       db_backupoperator         ☑       db_datareader         □       db_ddladmin         □       db_denydatareader         □       db_denydatareader         □       db_denydatawriter         □       db_owner         □       db_securityadmin
C Ready	✓ public □ RSExecRole
	OK Cancel

8. If the accounting system stores company data in separate databases, repeat the steps of checking the database and the db\_datareader role for each company database.

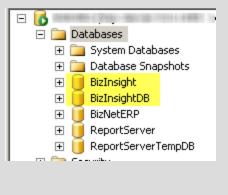
# Step 5: Implement Column Based Security (Optional feature)

The Security Tool for BizInsight is an application that activates or deactivates column security and configures restriction for user access. When the column based security mode is activated, all content modules installed on the server are impacted. See "BizInsight Column Based Security Overview" on page 152 for more information about Column Based Security.

#### System Requirements

Verify that your environment meets the following system requirements for Column Security before proceeding:

- BizInsight 5.0.35.0 and later is installed on all client machines.
- Existing BizInsight and BizInsightDB databases created using a Content Installer and were created directly in SQL Server (not converted using the Access to SQL conversion tool).



- Reporting Services versions 2008, 2008 R2, 2012, 2014 or 2016
- 1. If you have not already downloaded the BizInsight Tools.zip., log into the BizNet Software portal (http://biznet.flexnetoperations.com) and download the file. You will find the tools with the BizInsight download file.
- 2. Extract the contents and open the Security Tool folder..

3. Double-click the **Security Application.exe** to launch the Security Tool.



4. The Security Tool dialog will open.

Server	Connect
🗖 SQL Auth	entication
Username	
Password	
To activate or	denetivete energiturende alegere alegele er werkende helen.
	deactivate security mode, please check or uncheck below.
🗖 Enable Se	ecurity
🗖 Enable Se	
Enable Se	ecurity
🗖 Enable Se	ecurity
Enable Se	ecurity nain restriction in Username

5. In the **Server** field, type in the Server name and, if applicable, the instance name for the SQL Server that hosts the SQL metadata databases (BizInsight and BizInsightDB). The connection will be made using Windows Authentication by default. Check the **SQL Authentication** checkbox to switch to SQL credentials and supply those credentials in the Username and Password fields. Click **Connect**.

2	Security Tool	x
	Server w2k3r2 Connect	
	SQL Authentication	
	Username	
	Password Successfully connected to the server "w2k3r2".	
	To activate or deactivate	
	Enable Security	
	Apply domain restriction in Username	

6. Click **OK** and the tool will create the tables needed for Column Security.

Table Created	×
The SecuritySettings and ColumnSecurity tables	are created.
ОК	

7. Click the **Enable Security** checkbox to turn on Column Security. This will enable the **Secure Column** field.

Security Tool
Server w2k3r2 Connect
SQL Authentication
Username
Password
To activate or deactivate security mode, please check or uncheck below.
Enable Security
Apply domain restriction in Username
Security SQL SELECT UPPER(RTRIM(DomainUser)) AS DomainUser, UPPE
Secure Column CompanyCode
Commit Configure Users Exit

8. To enable security restrictions by domain\username, check the **Apply domain restriction in Username** checkbox. This will cause the security tool to evaluate the usernames entered and enforce a requirement that the user's domain be present before their record can be committed.

Security Tool	X
Server w2k3r2 Connect	
Username	
Password         To activate or deactivate security mode, please check or uncheck below.         ✓       Enable Security         ✓       Apply domain restriction in Username	
Username Value Import File	
* Delete Row(s)	
Domain Check Failed	×
One or more rows in the username column does not have a domain. Please verify the	e username column for each user. Eg, Domain\Username
ОК	

- 9. Disregard the Security SQL field. This field contains a generic query to read from the ColumnSecurity table. This field cannot be modified and is for display only.
- 10. Type in the column name that will be used to restrict user access in the **Secure Column** field. The Secure Column field contains a default value of "CompanyCode". Depending on the ERP system, the secure column value will be different. In most circumstances, securing the company column is the ideal method to restrict users from accessing confidential information. This column name must exist in all RDLs across all content packs to be able to be used for column restriction.

Enable Security     Apply domain restriction in Username			
Security SQL	SELECT UPPER(RTRIM(DomainUser)) AS DomainUser, UPPE		
Secure Column	Company mit Configure Users Exit		

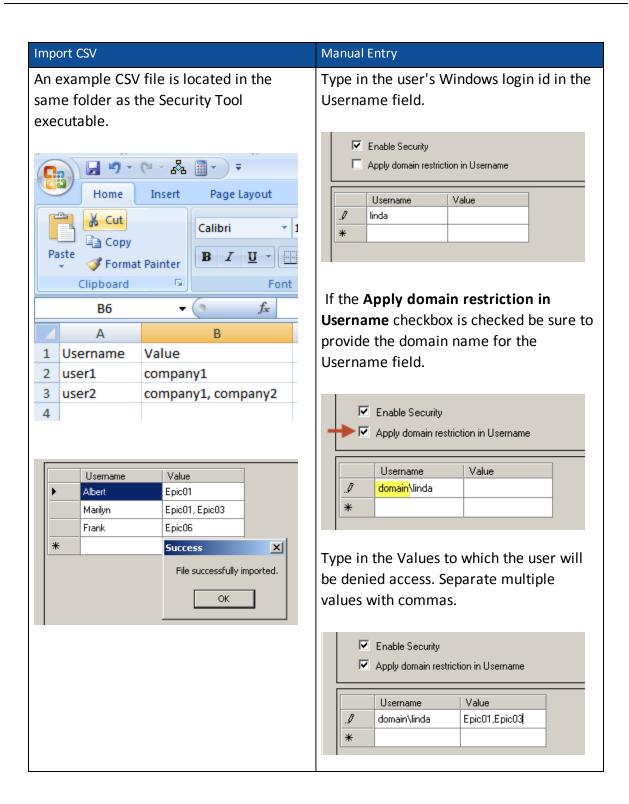
11. Click **Commit** to write the Secure Column value to the database.

Security SQL	SELECT UPPER(RT	RIM(DomainUser)) A	AS DomainUser, UPPE
Secure Column	Company		
	Commit Configu	ure Users	Exit
Co	mpleted	×	
2	Security Settings table suc	cessfully updated.	
	ОК		

12. Click **OK** and the Security Tool dialog will update to display a section to add user restriction values. Security is based on an "Exclusion Method". The IT administrator must provide a restricted value to prevent user access. **Users not listed in this dialog will have access to all data**.

🖉 Security Tool			×
Server w2k3r2			Connect
SQL Authentication			
Username			
Password			
To activate or deactivat	e security mode, pleas	e check or unche	ck below.
🔽 Enable Security			
Apply domain restric	tion in Username		
Username	Value		Import File
*			
			Delete Row(s)
			Commit
			Back
			Exit

13. Use the **Import File** button to import a CSV file of usernames and Values or manually type in the values to which the user should be denied access in the Values field.



14. When all usernames and values have been entered, click the Commit button. The application will commit the changes to the ColumnSecurity table. Click OK to the next two messages and the Dialog will update and display rows for each username/value combination.

omp	leted		×	Completed	×
Sec	Security Settings table successfully updated.			Users successfully adde	d to the table.
	ОК			ОК	]
	Username	Value		Import File	
•	Albert	Epic01			
•	Albert Marilyn	Epic01 Epic01	_	Delete Row(s)	
►			-	Delete Row(s)	
►	Marilyn	Epic01		Delete Row(s)	
► 	Marilyn Marilyn	Epic01 Epic03	-		
	Marilyn Marilyn	Epic01 Epic03			
	Marilyn Marilyn	Epic01 Epic03		Commit	

15. Use the **Delete Row(s)** button to remove any entries that are not wanted. Be sure to highlight the entire row to be deleted.

		Username	Value	Import File
		Albert	Epic01	
		Marilyn	Epic01	Delete Row(s)
Q	$\mathbf{ h}$	Marilyn	Epic03	5
		Frank	Epic06	Commit
	*			

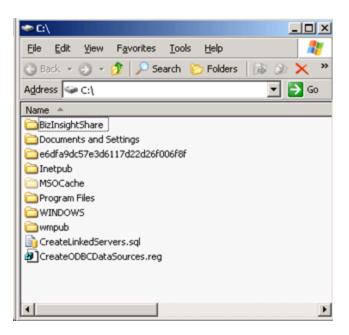
- 16. Click **Exit** to close the tool.
- 17. Remove the two biz files (BizInsight.biz and BizInsightDB.biz) from the Configuration Path directory. If you are not sure where the Configuration Path is located, go to any BizInsight workstation. Start Excel and click on the **Application Settings** button on the BizInsight ribbon.

For security to be fully implemented, each BizInsight workstation must be configured to use SQL databases. This is covered in the section titled "Configure BizInsight" later in this guide.

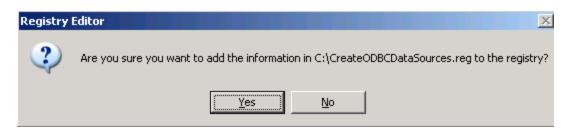
## Step 6: Add Registry Entries and Linked Servers

Skip this step if you used the Content Installer to automatically create the ODBC data sources and Linked Servers.

1. Browse to the directory to which the files were saved. If you did not close the Windows Explorer window that opened during the Content Installer process, it should still be open.



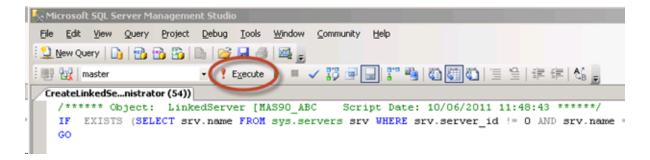
- 2. Double-click the file named CreateODBCDataSources.reg.
- 3. Click Yes to confirm the addition of the information to the registry.



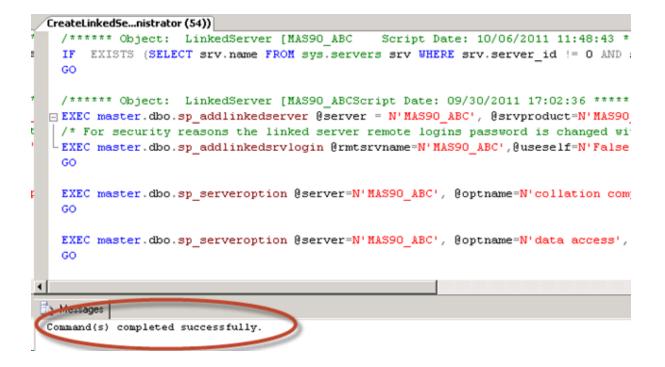
4. Click OK at the Success message.



- 5. Double-click the file named **CreateLinkedServers.sql**. This file should automatically open in SQL Management Studio.
- 6. Click the Execute button.



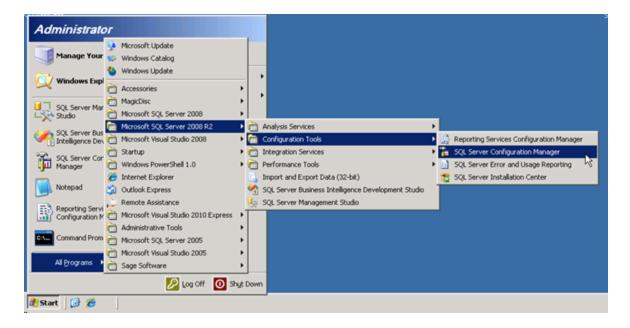
7. The Messages window should open indicating that the script ran successfully.



# Step 7: Grant Rights to Service Account's Temp Directory

Some BizContent RDLs require access to the temp directory of the SQL Server service account to perform advanced manipulation of the data retrieved from Sage 100. When these RDLs are executed by BizInsight users, SQL Server will impersonate the BizInsight user's Windows id when trying to access the temp directory. To avoid permissions issues, the BizInsight user accounts should be granted write access to the SQL Server service account's temp directory.

1. Click on Start > All Programs > Microsoft SQL Server version > Configuration Tools > SQL Server Configuration Manager.



2. Double-click the SQL Server service, usually SQL Server (BizNet), to open the Properties dialog.

🚡 Sql Server Configuration Manager					
Elle Action View Help					
← →   🖻 🔛 😫   🔮   ④ 🔍 ④ 📀					
SQL Server Configuration Manager (Local)	Name	State	Start Mode	Log On As	Process ID
SQL Server Services	SQL Server Browser	Stopped	Other (Boot, System	NT AUTHORITY(LOC	0
SQL Server Network Configuration	SQL Server (BIZNET)		Automatic	NT AUTHORITY NET	2620
主 曼 SQL Native Client 10.0 Configuration		Stoppe SQL Server (B)	ZNET) Properties		? ×
	SQL Full-text Filter		ice   FILESTREAM   Ad		
	SQL Server Repor	Runnin Log on Sen	ICE   FILESTREAM   AD	variced	1
		Log on as:			
		Built-in a	to and		
		-			
		Network	Service	<u> </u>	
		C This acc	ount		
		Account	Name:	Brgv	rse
		Password	t		
			1		
		Confirm p	assword:		
			,		
		Service statu	a: Run		
		Jervice stat	n. Hunr	-9	
		Start	Stop	Pause Best	tant
				r r	
			OK Cancel	Apply	Help

3. On the Log On tab, note the name of the account being used for the service.

SQL Server (SQLEXPRESS) Properties	<u>?</u> ×
Log on as:     C Built in account:     Network Service     This account:     Account Name:     Password:     Confirm password:	Browse
Service status: Running Start Stop Pause	Restart
OK Cancel Apply	Help

4. Browse to the temp directory for the service account and add the BizInsight users to this directory giving them Modify permissions.

**IMPORTANT** Be sure to change the permissions only for the folder named "temp" and not higher level folders.

**NOTE** It may be necessary to change Windows Explorer's Folder Options to Show hidden files and folders as the temp directory is usually located in the account's profile directory.

Windows Server 2003:

Temp directories are located in C:\Documents and Settings\profile name\Local Settings.

How to show hidden files and folders:

http://www.microsoft.com/resources/documentation/windows/xp/all/proddo cs/en-us/win\_fcab\_show\_file\_extensions.mspx?mfr=true

Windows Server 2008 and higher:

User temp directories are usually located in C:\Users\profile name\App Data\Local.

Built-in service account temp directories are located in located in C:\Windows\ServiceProfiles.

How to show hidden files and folders: <u>http://windows.microsoft.com/en-</u>US/windows7/Show-hidden-files

# Step 8: CheckTCP/IP, SQL Browser and Firewall Exceptions

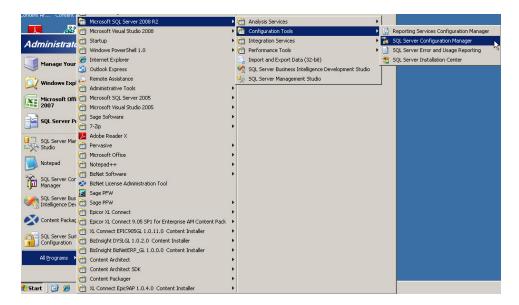
The XMLFast feature added in an earlier BizInsight build requires the following server configuration changes:

- The TCP/IP protocol must be enabled for SQL Server and the SQL Browser Service must be running. see "Enable TCP/IP" below.
- Server firewall exceptions must be added for TCP Port 1433, UDP Port 1434 and a program exception for sqlservr.exe. see "Add Windows Firewall Exceptions" on page 66

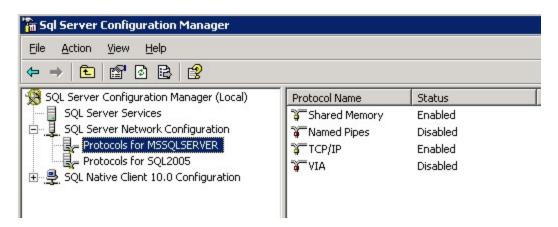
Customers are strongly encouraged to make these changes in order for the XMLFast feature to work. While the XMLFast feature can be turned off on the client work-station in Application Settings, doing so will result in significantly slower data retrieval times.

### Enable TCP/IP

1. Click on Start > All Programs > Microsoft SQL Server 2008 (2008 R2) > Configuration Tools > SQL Server Configuration Manager.



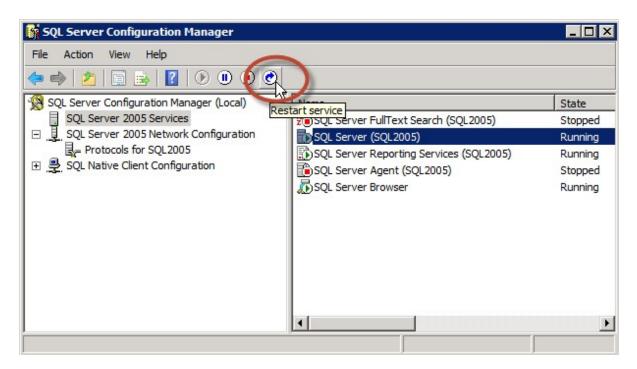
2. Expand SQL Server Network Configuration and select the Protocols for *InstanceName* that corresponds to the SQL Server instance that hosts the accounting system database.



3. Verify that the **TCP/IP** Protocol is "Enabled". If it is not enabled, double-click on the protocol and change its properties to enabled. You will receive a warning that the service will need to be stopped and restarted:

Warning			×
1	Any changes made will be sa effect until the service is stop	ved; however, they will not take pped and restarted.	
		ОК	

4. Go to the **SQL Server Services** section. Select the SQL Server service and click on the restart the service button.



5. In the SQL Server Services section, verify that the SQL Server Browser service is started. If it is not, double-click on the service to open the service properties.

SQL Server Browser Properties	? ×
Log On Service Advanced	
Log on as:         Built-in account         Local Service         This account:         Account Name:         Password:         Econfirm password:	-
Service status: Running <u>Start Stop P</u> ause <u>R</u> estart	
OK Cancel Apply H	elp

6. Click on the Service tab and make sure the Start Mode is set to "Automatic".

E (	General	
E	Binary Path	"C:\Program Files\Microsoft SQL Se
E	Error Control	1
E	Exit Code	0
ŀ	Host Name	SERVER2003
P	Name	SQL Server Browser
F	Process ID	2096
_	5QL Service Type	SQL Browser
1	Start Mode	Automatic 🚽 🗸 🗸
9	State	Automatic Disabled Manual

7. On the Log On tab, click on the Start button to start the service

SQL Server Browser Prop	perties	? ×
Log On Service Advar	nced	
Log on as:		
• <u>B</u> uilt-in account:		
Local Service		] [
C T <u>h</u> is account:		
Account <u>N</u> ame:		Browse
P <u>a</u> ssword:	*****************	
<u>C</u> onfirm password:		
Service status:	Stopped	
<u>Start</u>	Biop <u>P</u> ause	<u>R</u> estart
OK	Cancel <u>A</u> ppl	ly Help

### Add Windows Firewall Exceptions

This step may not need to be performed if the Windows Firewall is turned off on the server.

Server 2003 (click here to go to the Server 2008 instructions)

1. Click on Start > Control Panel > Windows Firewall



2. On the **Exceptions** tab, click the **Add Port** button.

🔯 Windows Firewall	×
General Exceptions Advanced	
Windows Firewall is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some programs to work better but might increase your security risk.	
Programs and Services:	
Name	
✓ File and Printer Sharing	
Remote Desktop     UPnP Framework	
Add Program Add Port	
Display a notification when Windows Firewall blocks a program	
OK Cancel	

3. In the Add a Port dialog, enter a name for the exception entry and type "1433" for the port number. Click OK.

	to open a port through Windows Firewall. To find the port ol, consult the documentation for the program or service you	-
<u>N</u> ame: Port number:	TCP 1433	
	© ICP ○ UDP	
Change scope	OK Cancel	]

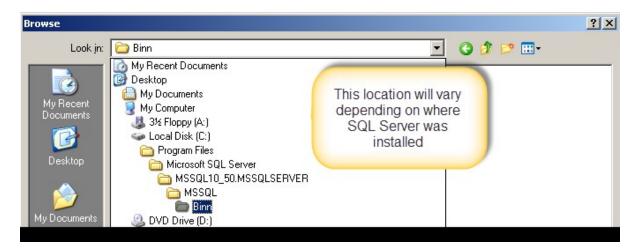
4. Add a second port exception for UDP 1434.

Add a Port		×
	to open a port through Windows Firewall. To find the port ol, consult the documentation for the program or service yo	u
<u>N</u> ame:	UDP 1434	
Port number:	1434	
	C <u>I</u> CP	
Change scope	OK Cancel	

5. Click the Add Program button then click the Browse button

Add a Program	×
To allow communications with a program by adding it to the Exception select the program, or click Browse to search for one that is not listed	
Programs:	
72 7-Zip File Manager	
🗈 Data Profile Viewer	
Patabase Engine Tuning Advisor	
Patabase Engine Tuning Advisor	
🖉 Database Update Wizard	
🗾 🔥 Deployment Wizard	
🛛 🔥 Deployment Wizard	
🔄 🖾 Execute Package Utility	
🔚 🔛 Import and Export Data (32-bit)	
Conternet Explorer	
MagicDisc 🔁	•
Path: C:\Program Files\7-Zip\7zFM.exe Bro	wseh
Change scope OK C	ancel

6. Browse to the SQL Server installation's Binn directory and select sqlservr.exe.



Browse					<u>?</u> ×
Look jn:	🗀 Binn		• 0	🧊 📂 🖽 -	
My Recent Documents Desktop My Documents My Computer	DllTmp32 Resources DatabaseMail.e DCEXEC.EXE fdhost.exe SQLAGENT.EXE SQLIOSIM.COM SQLIOSIM.EXE sqlmaint.exe sqlsubss.exe xpadsi.exe				
My Network Places	File <u>n</u> ame: Files of <u>type</u> :	sqlservr.exe Applications (*.exe;*.com;*.ic	d)	•	<u>O</u> pen Cancel

7. Close the Firewall dialog after making these additions.

#### Server 2008

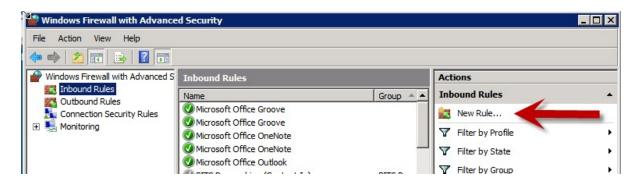
1. Click on Start > Administrative Tools > Windows Firewall with Advanced Security

Microsoft Office Excel 2007	Control Panel	System Configuration Task Scheduler
Ease of Access Center	Administrative Tools 🔹 🕨	Windows Firewall with Advanced Security Windows Server Backup Cor
SQL Server Configuration Manager	Help and Support	Win
	Windows Security	
All Programs		
Start Search	0 • •	
🎝 Start 🛛 🚠 💻 🏉		

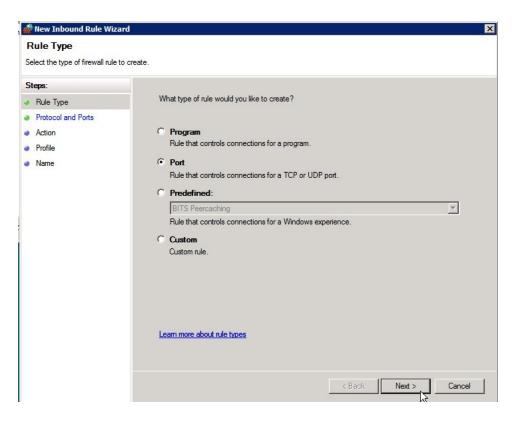
2. Click on Inbound Rules.



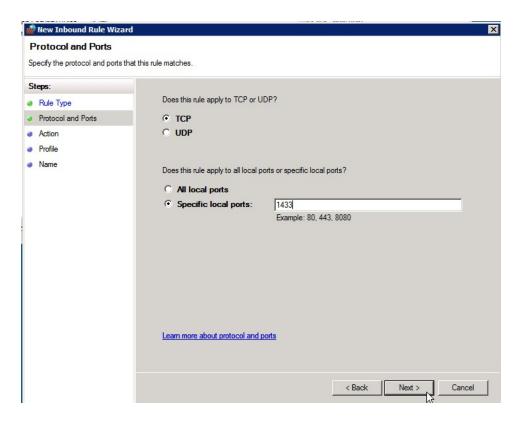
3. Click on New Rule.



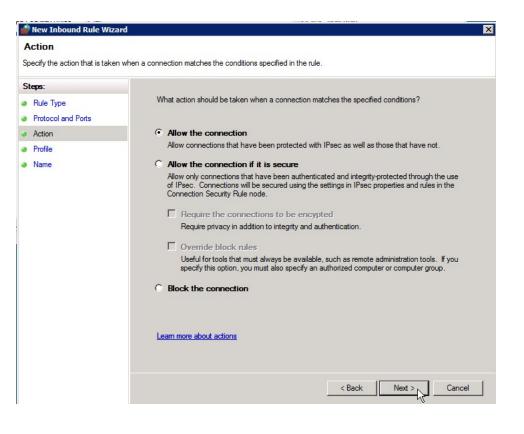
4. Choose the **Port** radio button and click **Next**.



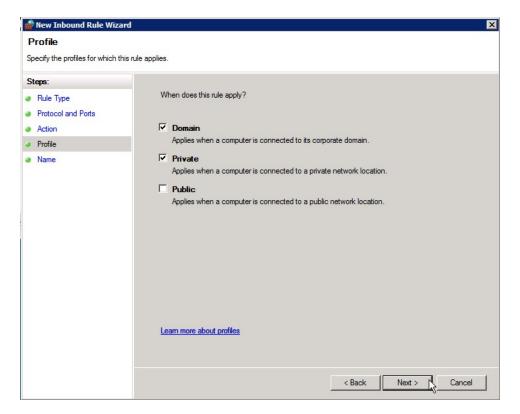
5. Leave the TCP option selected and type in port 1433. Click Next.



6. Leave the Allow the connection radio button selected and click Next.

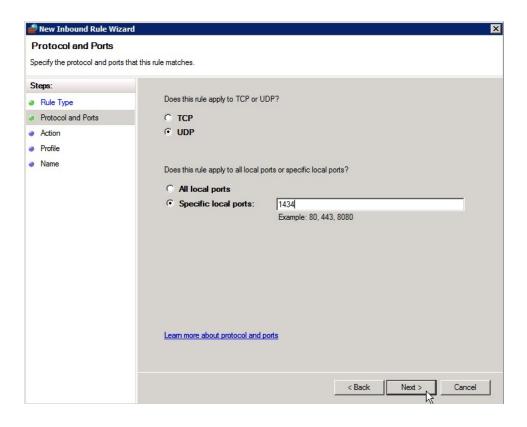


7. Uncheck the **Public** checkbox (unless users are connecting using a public network location) and click **Next**.

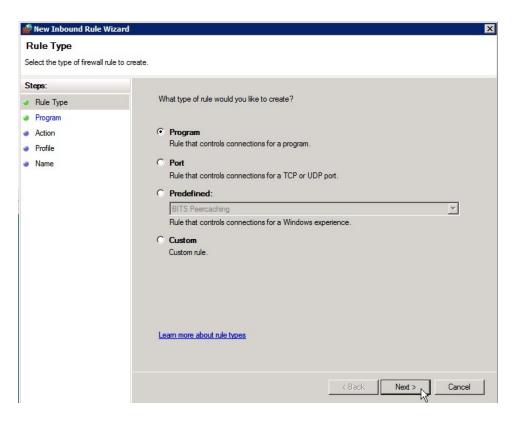


8. Type a name and description for the exception and click Finish.

9. Repeat these steps to add a UDP port exception for port 1434.

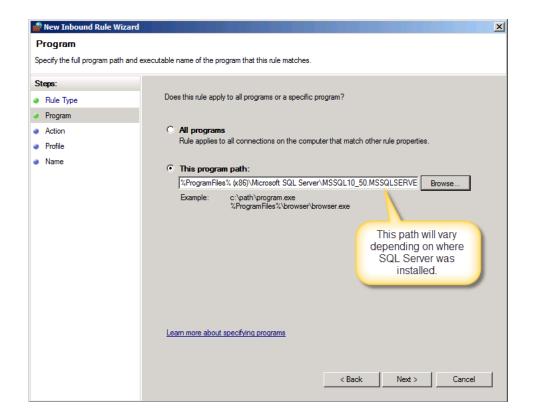


10. Add a third new inbound rule for a program exception.

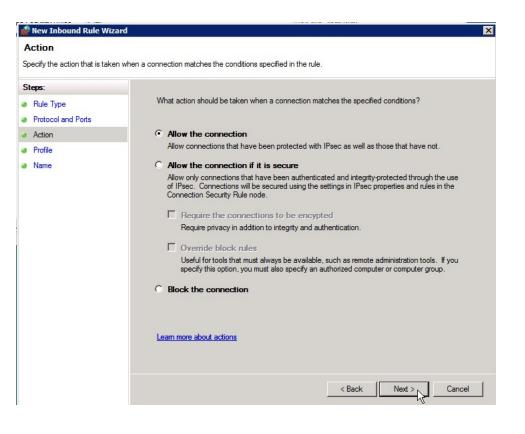


11. Click on the **Browse** button and browse to the SQL Server installation's Binn directory and select **sqlservr.exe**. Then click **Next**.

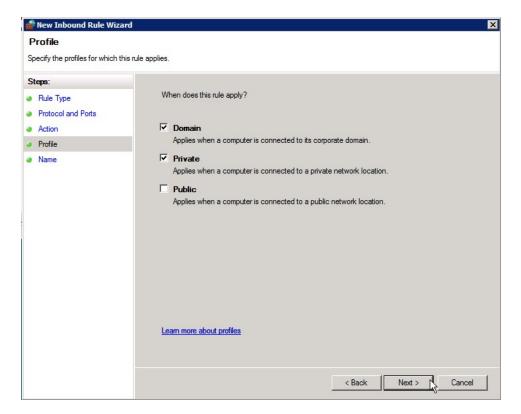
💣 Open				×
- MSSQL.1	✓ MSSQL	▼ 60 S	Gearch	<u> 2</u>
Organize 👻 📗 Views	▼ Sew Folder			0
Favorite Links  Documents  Recently Changed  Desktop  Computer  Pictures  Music  Searches  Public	Name A FTERef Resources DatabaseMail90 FTSStub msftefd SQLAGENT90 sqlmaint Sqlservr sqlstubss90 xpadsi90	•         Date modified         •           1/13/2012 4:05 PM         1/13/2012 4:05 PM           1/13/2012 4:05 PM         10/14/2005 4:31           10/14/2005 4:34         8/26/2005 5:00 PM           8/26/2005 5:00 PM         10/14/2005 4:51           10/14/2005 4:51         10/14/2005 4:51           10/14/2005 4:51         10/14/2005 4:53	Type File Folder File Folder Application Application Application Application Application Application Application	▼         Size         ▼         Ta           17 KB         15 KB         15 KB         63 KB           91 KB         312 KB         75 KB         75 KB           28,095 KB         16 KB         48 KB
Folders	sqlservr		Programs (*.e	xe)



12. Leave Allow the connection selected and click Next.



13. Uncheck the **Public** checkbox (unless users are connecting using a public network) and click **Next**.



14. Type a name and description for the exception and click Finish.

## Step 9: Run Content Installer for Additional Content Pack(s)

1. The Welcome dialog will open. Click Next.



2. Review the End User License Agreement and if you agree to the terms, check the I accept the terms in the License Agreement checkbox and click Next.

Please read the following license agreement careful	lly SizNetsoftw
End User License A	Agreement
	"I AGREE" BUTTON AT BY INSTALLING AND EE TO ACCEPT ALL OF
I accept the terms in the License Agreement	

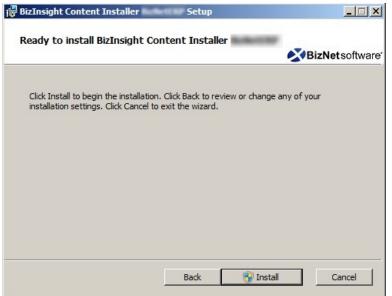
3. Click on the desired **Setup Type** button.

	e Setup Type se the setup type that best suits your needs	
	BizNet	softwa
Γ	Typical	
-	Installs the most common program features. Recommended for most users	i.
	Custom	
	Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users.	
	Complete	
	All program features will be installed. Requires the most disk space.	

#### Custom setup type options that are available:

Select the way you	u want features to be insta	helled		
Select the way yo	a want reatures to be insta	ilieu.		BizNetsoft
Click the icons in t	ne tree below to change th	e way feat	hures will be insta	alled
	ie u ee below to change ut	e way reat	uies wii de insta	ancu.
	zInsight 1.0.0.0	Ca		
	esktop Shortcut			
Pr	ogram Menu Shortcut			
		-		00710
			is feature requin ur hard drive.	es 92/MB on
•		F		
<u></u>				
	C:\Program Files (x86)\Bizt	Vet Softwa	re\BizNetERP	Browse
	1.0.0.0\			-

4. Click Install.



5. Click Yes to any User Account Control messages.

🌍 User	r Account Contr	ol	x
		o allow the following program from an unknown ake changes to this computer?	
	Program name:	C. Carer T. D. Donitor, Davids Balant, D. Philosophi, Republic Content London and	
	Publisher:	Unknown	
	File origin:	Hard drive on this computer	
•	Show details	Yes No <u>Change when these notifications appresented</u>	ear

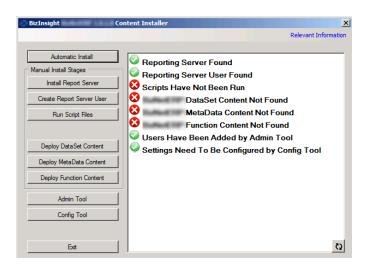
6. When the installer completes, an icon will exist on the desktop if you did not disable the creation of shortcuts.



7. Double-click the shortcut on the desktop to launch the content installer. If you chose a Custom installation and disabled the creation of shortcuts, you

must browse to the directory to which the content installer files were extracted and double-click the BizNet Content Installer.exe. If you installed to the default directory location, that directory can be found in C:\Program Files (x86)\BizNet Software.

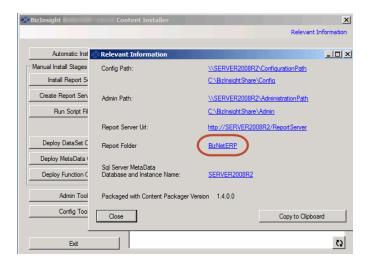
8. The content installer will inspect the server and determine what elements already exist and indicate their presence with a green check mark.



Sage 100 ProvideX customers will see the following:

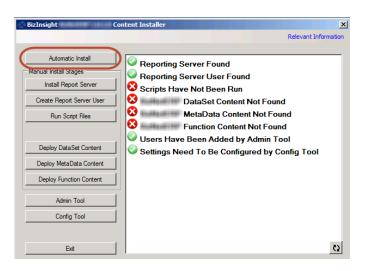
🖉 BizInsight 🛛 🛛 Cor	itent Installer
	Relevant Information
Automatic Install Manual Install Stages	<ul> <li>Reporting Server Found</li> <li>Reporting Server User Found</li> </ul>
Create Report Server User	Link Servers Found     DataSet Content Not Found     MetaData Content Not Found
Link Servers Deploy DataSet Content	<ul> <li>Function Content Not Found</li> <li>Users Have Been Added by Admin Tool</li> <li>Settings Need To Be Configured by Config Tool</li> </ul>
Deploy MetaData Content	
Deploy Function Content	
Admin Tool	
Config Tool	
View Additional Files	
Exit	45

9. Click on the **Relevant Information** link in the upper right corner and make a note of the **Report Folder** name:



**Note** If the Relevant Information dialog does not contain any information and BizInsight is already installed, go to a workstation where BizInsight is installed. Open Excel on the workstation, click on the **Application Settings** button on the BizInsight ribbon and copy the values provided for the **Configuration Path**, the **Administration Path**, the **Default Reporting Services Server** and the **Default Reporting Services Folder Name** fields.

10. Click Automatic Install.



11. The content installer will deploy the MetaData and function content. The path will be automatically defaulted to the path last used. Click **OK**.

Pre Installation Question					
Deploy Local Content					
Please choose a directory location for the Confi	iguration Path: C:\\	BizInsightShare\Config			Browse
This directory will become a shared network directory	ectory after the installa	ation process.			Override Configuration Path
	Ok		Ca	ncel	]

- 12. The content installer will open the content deployment dialog. Most paths will not need to be changed. But you must check the following to make sure they are correct:
  - a. Make sure the folder name is the folder name currently being used. If the folder is not the same as shown in the Relevant Information dialog, change that field to match the folder that is currently being used.

Content Deployme	nt		
-Content Location	🔀 Relevant Information		<u>_     ×</u>
	Config Path:	\\SERVER2008R2\ConfigurationPath	
C:\Program Files (x86)\BizNet		C:\BizInsightShare\Config	
Directory where you installed the co	ntent1		
	Change the folder name if	\\SERVER2008R2\AdministrationPath	
-Reporting Services Settings -	it does not match the information from the	<u>C:\BizInsightShare\Admin</u>	
Default Reporting Services Se		http://SERVER2008R2/ReportServer	
http://SERVER2008R2/Repo		BizNetERP	
Format: "http://server/reportserver	hepoit rolder	DIZIVELENT	
Default Reporting Services Fol MSGP	der P Sql Server MetaData Database and Instance Name:	SERVER2008R2	
Full name of the folder on the report	ing ser		
	Close	Copy to Clipbo	bard
Deployment Options	Data Source Name:		

b. Sage 100 ProvideX customers, skip this step.

Adjust the **Server Name** field if your accounting system database is on another server. **NOTE** The server name will default to the last server used. This may not be the right server for the content pack being deployed.

c. Sage 100 ProvideX customers, skip this step.

Adjust the **Database Name** field to point to your accounting system database. If your accounting software uses a system or control database, provide the name of that database rather than a company database name. **NOTE** The database name will default to the last database used. This may not be the right database for the content pack being deployed.

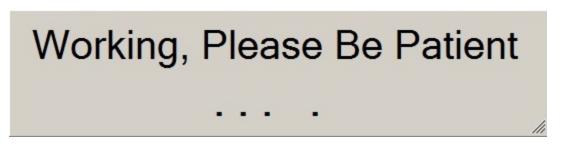
13. Sage 100 ProvideX customers, skip this step - you must use Windows authentication.

Select the desired authentication method - Windows authentication or Prompt for Credentials.

**IMPORTANT** You must use the same authentication method as selected for other content packs.

Deployment Options	Datasource Configuration Data Source Name:	
Overwrite Datasources	MSGP	
✓ Overwrite Reports	Server Name: SERVER2003	
Preserve Folder Structure	Database Name: Dynamics	
Use Folders for Datasources	Use Windows Authentication	
	Prompt For Credentials	
	Deploy Content Exit	

- 14. Click Deploy Content.
- 15. The content installer will display a status message to indicate that it is working.



- 16. Once complete, the installer will display links to the Reporting Services sites. Click **OK** to continue with the installation.
- 17. The License Administration Tool will open. Unless you need to add new users, click Exit.

License Administration Tool - SERVER2008R2\linda		<u>_     ×</u>
Administration Path		
Network share where your license file is stored.		
Validate License		
Configure Users		
	C	Exit

18. The content installer window will display the results of the automatic install. Click **Close.** 

19. Click Exit to close the content installer.

🖉 BizInsight Co	ntent Installer
	Relevant Information
Automatic Install Manual Install Stages Install Report Server Create Report Server User Run Script Files	<ul> <li>Reporting Server Found</li> <li>Reporting Server User Found</li> <li>Scripts Have Been Run</li> <li>DataSet Content Found</li> <li>MetaData Content Found</li> </ul>
Deploy DataSet Content Deploy MetaData Content Deploy Function Content	<ul> <li>Function Content Found</li> <li>Users Have Been Added by Admin Tool</li> <li>Settings Have Been Configured by Config Tool</li> </ul>
Admin Tool Config Tool Exit	(2)

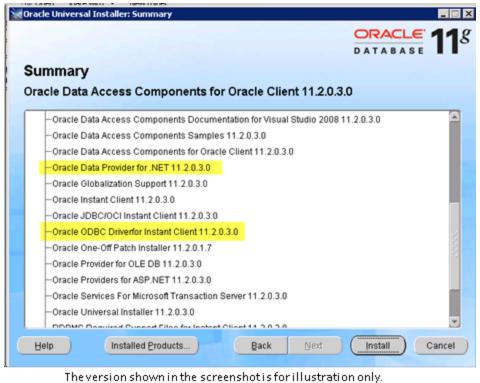
20. Repeat the above steps for each content pack that needs to be installed.

# Installation Activities for Client Workstation(s)

Step 1: Install Oracle Data Access Components (ODAC)	
Step 2: Install BizInsight	
Installing BizInsight for the Non-Administrative User	
Step 3: Configure BizInsight	102
Step 4: Verify the BizInsight Installation	112
Step 5: Install BizInsight Desktop Edition	

#### Step 1: Install Oracle Data Access Components (ODAC)

If your accounting system is using an Oracle database, you must install the Oracle ODBC driver and ODP.Net on each client workstation in order for BizInsight to be able to retrieve data from the Oracle database. If your accounting system does not use an Oracle database, this step can be skipped.



Install the ODAC version appropriate for your Oracle databse

#### IMPORTANT

When installing the Oracle Client, it is insufficient to install the Runtime Engine as that does not install the Oracle ODBC driver.

### Step 2: Install BizInsight

**IMPORTANT** If you are implementing BizInsight in a Terminal Services/Citrix environment, stop here and switch to the document titled "Citrix Terminal Services Installation Guide" for alternate setup steps for that type of implementation.

- 1. Locate the BizInsight product installation files that you downloaded from the portal site and extract the contents.
- 2. Extract the .zip contents to any directory that is accessible from the client workstation.
- 3. Double-click the **Setup.exe**.

**NOTE** As of the 5.0.35.2 release, there is a single Setup.exe for all supported Office versions.

4. The installation will check to see if Microsoft .Net Framework 4.0 is installed. If not installed, the following dialog will display. Click **Accept**.

🐹 and an H. Communi Setup		
For the following components:		
Microsoft .NET Framework 4 (x86 and x64)		
I Please read the following license agreement. Press the page down key to see the rest of the agreement.		
MICROSOFT SOFTWARE SUPPLEMENTAL LICENSE TERMS		
MICROSOFT .NET FRAMEWORK 4 FOR MICROSOFT WINDOWS OPFRATING		
View EULA for printing		
Do you accept the terms of the pending License Agreement?		
If you choose Don't Accept, install will close. To install you must accept this agreement.		
Accept Don't Accept		

5. The installation will then check to see if the Microsoft Office Primary Interop assemblies for the installed Excel version are installed as well as a specific Microsoft Update that is necessary for proper Excel add-in functionality. If not found, the following dialog will display. Click Install.



6. The splash dialog will open. Click Next to continue.



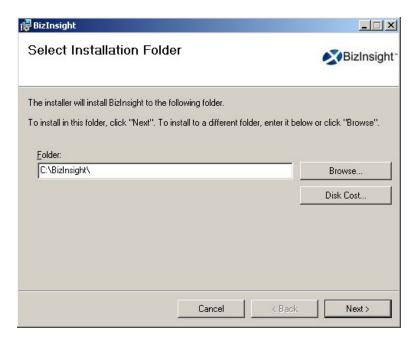
7. The Welcome dialog will open. Click **Next** to continue.



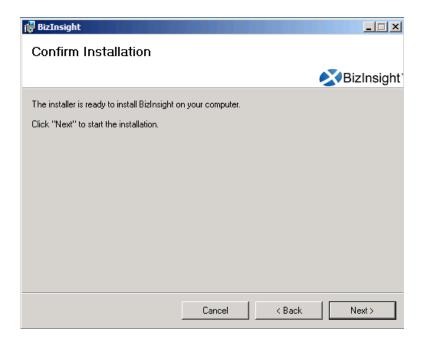
8. The License Agreement dialog will open. Read through the agreement and if you agree with the terms, click the I agree radio button and then click Next.

17		×
1	nd-User License Agreement	
	Please read the following license agreement carefully	re <sup>.</sup>
	End User License Agreement	
	NOTICE TO ALL USERS: PLEASE READ THIS AGREEMENT CAREFULLY. BY CLICKING THE "I AGREE" BUTTON AT THE BOTTOM OF THIS PAGE OR BY INSTALLING AND USING THE SOFTWARE, YOU AGREE TO ACCEPT ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT AND YOU AGREE THAT THIS AGREEMENT IS ENFORCEADLE AS THAT THIS AGREEMENT IS INCOD CEADLE AS THAT THIS AGREEMENT IS	
-	Print Back Next Cancel	]

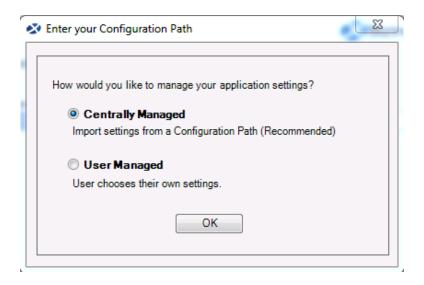
9. Accept the default installation directory or browse to a location of your choice. Click **Next**.



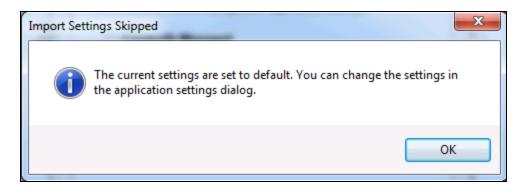
10. Click Next at the Confirm Installation dialog.



11. When installing BizInsight versions 5.0.35.1 or higher, the **Enter your Configuration Path** dialog will open. If you have an app.config file produced by a Content Installer in your Configuration Path, leave the default option. Click **OK**.



If you do not have a Content Installer created app.config file, choose the **User Managed** radio button to proceed. You will need to supply the key paths when configuring BizInsight for the user. When you click OK, the Import Settings Skipped dialog will open. Click **OK**.

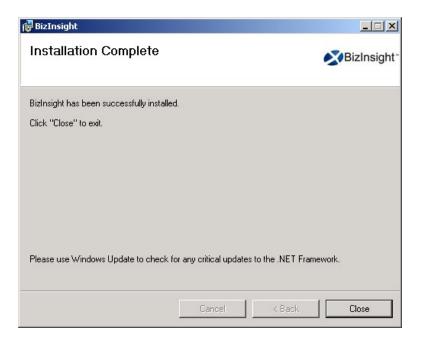


12. If the Centrally Managed option was selected, click the Browse button and browse to the Configuration Path shared directory.

3	Enter your Configuration Path
	Please provide the shared directory path to the configuration file.
	\\ servername \Configuration Path
	Check below if you would like to remove the existing settings and take the settings from the configuration path.
	Import Settings Skip

Click Import Settings.

13. Once the installation completes, click Close.



# Installing BizInsight for the Non-Administrative User

If you have installed BizInsight while logged in as a different login than the BizInsight end user, you will need to perform the following additional steps in order to get BizInsight functioning for this user.

- 1. After completing all of the preceding steps to install BizInsight, log out of the client workstation and log back in as the BizInsight user.
- 2. Open Windows Explorer and browse to the reg5 subdirectory of the BizInsight local directory.
- 3. Double-click the file named "**Register BizInsight for Excel** *xxxx* **OnDemand.bat**", where "xxxx" is the Excel version (2003, 2007, 2010 or 2013).
- 4. If the workstation is running Windows 7 with User Account Control ("UAC") enabled, click Yes to all UAC pop-ups. Click Yes or OK to all dialogs that open.

Registr	y Editor			
<u>^</u>	Adding information can unintentionally change or delete values a correctly. If you do not trust the source of this information in Ex not add it to the registry.			
	Are you sure you want to continue?			
		[	Yes	No
RegSyr	32			
i	DllRegisterServer in\bin5\adxloader.dll succeeded.			

**IMPORTANT** If you get the following error when running the .bat file, you must edit the file named "Register BizInsight for Excel xxxx OnDemand.bat" to add the file directory path to each regedit.exe line.

OK



To edit the "Register BizInsight for Excel xxxx OnDemand.bat", open it with Notepad and add the file directory path to each regedit.exe entry in the file. For example:

Register BizInsight for Excel 2013 OnDemand.bat - Notepad	_ 🗆 🗙
File Edit Format View Help	
regedit.exe C:\BizInsight\Excel2013_UNregister.reg del %userprofile%\AppData\Local\Microsoft\Office\Excel15.CUSTOMUI del %userprofile%\Local Settings\Application Data\Microsoft\Office\Excel15.C \bin5\adxregistrator.exe /uninstall="BizInsightxL.dll" /privileges=user \bin5\adxregistrator.exe /install="BizInsightxL.dll" /privileges=user regedit.exe C:\BizInsight\Excel2013_register_OnDemand.reg	USTOMUI

5. When the .bat file completes, start Excel and continue with the next steps.

## Step 3: Configure BizInsight

1. If you used the Content Installer to create an app.config file to use for Centrally Managed settings, you can skip this step.

You will need to know the paths for the BizInsight implementation. Go to the server and start the Content Installer. Click on the Relevant Information link and make a note of the values shown.

	x
_	Relevant Information

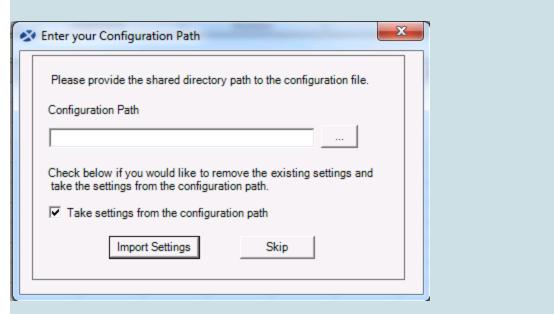
2. While logged in as the BizInsight end user, open Excel.

The next steps depend on whether you chose the Centrally Managed option at the end of the BizInsight installation or chose to manage your settings at the user level. Click <u>here</u> to jump to the Centrally Managed steps.

If you installed an older BizInsight version that prompted for these paths during installation, follow the User Managed Settings Steps.

User Managed Settings Steps (blue background)

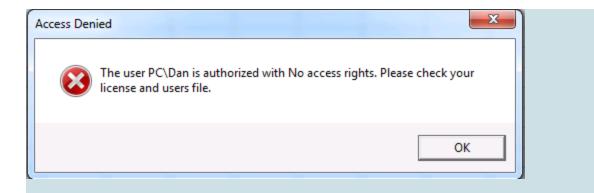
3. If you receive the following dialog, click Skip.



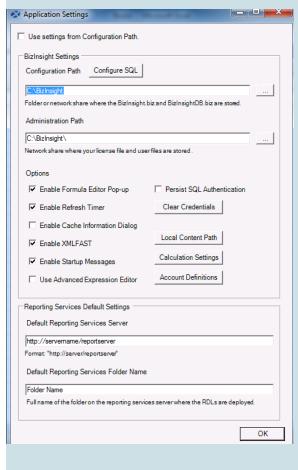
Click **OK** to the next message regarding the use of default settings.

Import Settings Skipped	x
The current settings are set to default. You can change the the application settings dialog.	settings in
	ОК

If you receive the following error, go back to the server and grant the user BizInsight security rights, see "Assign BizInsight Security to Users" on page 157.



4. The Application Settings dialog will open. If it does not open, click on the Application Settings button on the BizInsight ribbon.



Perform the following steps:

#### a. Provide Essential Paths

You must provide values for the **Configuration Path**, the **Administration Path**, the **Default Reporting Services Server** and the **Default Reporting Services Folder Name** fields.

Application Settings
Use settings from Configuration Path.
BizInsight Settings Configuration Path Configure SQL
C:\BizInsight
Administration Path
C:\BizInsight\
Options
Enable Formula Editor Pop-up     Persist SQL Authentication (Session Only)     Enable Startup Messages
Enable Refresh Timer     Clear Credentials
Enable Cache Information Dialog
Enable XMLFAST     Calculation Settings
Use Advanced Expression Editor Account Definitions
Reporting Services Default Settings
Default Reporting Services Server
http://servemame/reportserver
Default Reporting Services Folder Name
Folder Name Full name of the folder on the reporting services server where the RDLs are deployed.
ОК

You should have looked up these values at the start of this section.

b. **SQL Credentials Steps** (skip if not using SQL credentials for data retrieval from the Accounting database)

If you configured the Reporting Services data source to use SQL credentials during content deployment, check the **Persist SQL Authentication** checkbox.

Application Settings	<u>_     ×</u>
BizInsight Settings	
Configuration Path Configure SQL	
\\servername\BizInsightShare\ConfigurationPath	
Folder or network share where the BizInsight.biz and BizInsightDB.biz are stored. Administration Path	
\\servername\BizInsightShare\AdministrationPath	
Network share where your license file and user files are stored. Options	
Enable Formula Editor Pop-up	Only)
Enable Refresh Timer     Enable Startup Messages	
Enable Cache Information Dialog	

c. Click on the Local Content button. If the default path displayed is not a local directory, click on the Override checkbox and change the path to a directory that resides on the local computer, C:\BizInsight is suggested.

Cverride	
Local Content Path	
\\dcserver\UserProfiles\linda	
Iser folder on this machine where content can be stored.	
	ОК
Re-directed profile directory	
stablish Local Content Path	×
✓ Override	X
stablish Local Content Path ✓ Override Local Content Path c:\BizInsight	×
✓ Override Local Content Path c:\BizInsight	
<ul> <li>Override</li> <li>Local Content Path</li> </ul>	

#### d. SQL MetaData Databases and Column Security Steps

If the BizInsight SQL metadata databases (BizInsight and BizInsightDB) were implemented during the server setup, click on the **Configure SQL** button. If the **Application Settings** dialog does not have this button, BizInsight is not the right version. You need to uninstall and install the most current BizInsight version.

Application Settings	
BizInsight Settings Configuration Path Configure SQL	
The second	
Folder or network share where the BizInsight.biz and BizInsightDB.biz are stored.	
Administration Path	

**IMPORTANT** This step is essential to complete Column Based security configuration. See " BizInsight Column Based Security Overview" on page 152 for more information about this optional security feature.

i. Check the Use SQL Server for MetaData checkbox and enter the SQL Server name, and instance name if applicable, where the BizInsight SQL databases (BizInsight and BizInsightDB) are located. The format should be *servername\instancename*.

SQL Server MetaData Connection
✓ Use SQL Server for MetaData
Use SQL Authentication
Username
Password
Database server and instance
om+om/2002
SQL connection information for BizInsight databases Database instance name not required if using default
ОК

 ii. If users will be connecting to the SQL metadata databases using SQL authentication, check the Use SQL Authentication checkbox. You will get the following Warning message indicating that the credentials provided will be stored in clear text in a configuration file in the user's profile.

SQL Autho	entication Warning	×
<u>^</u>	You have enabled SQL Authentication for metadata connections. This information will be stored in an unencrypted format in the user profile configuration file. Uncheck this option if you wish to use Windows Authentication.	
	ОК	

SQL Server MetaData Connection	×
✓ Use SQL Server for MetaData	
✓ Use SQL Authentication	
Username bizuser	
Password *****	
Database server and instance	
anni ann (2010)	-
SQL connection information for BizInsight datat Database instance name not required if using def	
	ОК

**IMPORTANT** This dialog allows you to use a different method of connectivity to the BizInsight MetaData databases than for the accounting system database.

- e. Close the Application Settings dialog.
- 5. Re-start Excel.
- 6. Click on the BizInsight tab and then click on the BizInsight Explorer button to load the Navigation Pane.



7. Skip to the next white background step.

Centrally Managed User Settings (green background)

8. If you are using Centrally Managed settings, you will see Scan for Content run when you first open Excel. Click **OK** and restart Excel.



9. You should see the Navigation Pane display on the left side in Excel.

						5					
X∎		5.0			Book	1 - Excel			? 🗹	- 0	×
FILE		HOME	INSERT	PAGE LAYO	DUT FO	RMULAS	DATA	REVIEW	VIEW	BizInsigh	t 🕨
Paste	→ →	- B I	- 11 <u>U</u> - A <sup>*</sup> <u>A</u> - Font	A Alignm	ent Numb	E Forr	ditional For nat as Table Styles * Styles		Cells Editi		~
npo	Juru	-	Tone				Styles				
L3			$\times \checkmark$	$f_x$							~
»		А	В	С	D	E	F	G	н	I	
<i>"</i>	1										
	2										
	3										
Ē	4										
jsi (	-										
BizInsight	6										
ш	7										
	8										
	9										
	10										
~	11										
	12										
**	13										-
*		(	Sheet1	+			E 4				▶
READ)	r			_		E		<b>.</b>		-+ 10	10%

10. If you receive the following error, go back to your server and make sure all of the configuration changes have been made for XMLFast (see "CheckTCP/IP, SQL Browser and Firewall Exceptions" on page 60) and make sure the end user has the db\_datareader and db\_datawriter permissions to the SQL metadata databases (BizInsight and BizInsightDB).

Menu Data	
There was a problem locating a valid .biz file. Please consult your a	dministrator for help.
Don't ask me again. Please suppress all further error messages.	ОК

Click **OK** to this message as well as the one that follows:



If you receive the following error, go back to the server and grant the user BizInsight security rights, see "Assign BizInsight Security to Users" on page 157.

Access De	nied	
8	The user PC\Dan is authorized with No access rights. Please check your license and users file.	
	ОК	

You are now ready to test the installation. Proceed to "Verify the BizInsight Installation".

# Step 4: Verify the BizInsight Installation

You must create or refresh an existing report to verify the BizInsight installation. If the user just installed is a Viewer or Drilldown user, you must verify the installation by refreshing a report that has already been created by a Designer user. Locate an existing report, open it in Excel and right-click on a cell and choose **BizNet Refresh**. If it refreshes without error, the installation is complete.

If an existing report does not exist, the following steps can be used to create a simple report with which to verify the installation.

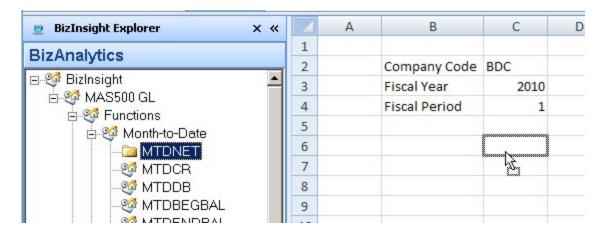
**Note** Your login id must be setup as a Designer user to be able to perform these steps; you may need to temporarily add your login as a Designer user using the Admin Tool to perform these steps. The Admin Tool can be accessed from the Content Installer interface on the server.

**WARNING** Do not add your own login using the Admin Tool unless you know for sure that you have another login available with sysadmin rights to the SQL Server instance. Early versions of the content installer (pre version 1.6) will remove existing permissions for users, including those with sysadmin rights. If uncertain, skip this step and confirm sysadmin access will not be lost then return to complete the Admin Tool step.

1. In separate cells in your Excel worksheet, type in a valid Company Code, Fiscal Year and Period.

	А	В	С	D
1				
2		Company Code	BDC	
3		Fiscal Year	2010	
4		Period	1	
5				
6				
7				
8				

2. In the Navigation Pane, expand *YourContentPackName* > Functions > Month to Date. Click on a Net function and drag it into a cell in the Excel worksheet.



If the Function Arguments dialog does not automatically open, click on the Excel Insert Function button (fx)

(G)=MTDNET()						
	A	В	С			

3. Click on the cells containing your input parameters and then click **OK** 

1	А	В	С	D E	F	G	Н	1	J	K	L
1								-			
2		Company Code	BDC								
2 3		Fiscal Year	2010								
4		Period	1	Function Argu	iments						? ×
5				MTDNET							1
5 6 7 8 9 10 11 12 13 14 15 16 17 18			C\$3,C4)	Company	\$C\$2		1	= "BDC"			-
7					\$C\$3			= 2010			
8				Period				= 1			
9											
10				Segment1			10.51	=			-
11				Segment2	1			-			-
12								-			
13				Month To Date	Net Amount.						
14						Period Es	tablish repor	ting period.			
15											
16											
17				Formula regult	= -13440.24						
18									-		
19 20				Help on this fur	nction				OK	Ca	ncel
20											

4. If the function returns data or a zero, your installation and configuration are correct.

	А	В	С	D
1				
2		Company Code	BDC	
3		Fiscal Year	2010	
4		Period	1	
5				
6			-13440.2	
7				

Once the installation is confirmed, save this report to a shared directory to use for verifying the installations of Viewer and Drilldown users. These users cannot add functions to reports so you will need an existing report that you can refresh to confirm there are no errors. To verify the installations for Viewer and Drilldown users, install and configure , open this report, right-click and choose Refresh.

## Step 5: Install BizInsight Desktop Edition

If you are implementing a System Connector release, the BizInsight Desktop Edition product must also be downloaded and installed on the client workstation.

- 1. Download the BizInsight Desktop Edition product from the customer portal site, http://biznet.flexnetoperations.com.
- 2. Extract the contents and double-click the setup.exe
- 3. The installer will prompt to download the BizNet API. Click Install.

😿 BizInsight - Desktop Edition Setup	x			
The following components will be installed on your machine:				
BizNet API 1.0.3				
Do you wish to install these components?				
If you choose Cancel, setup will exit.				
Install				

If the .msi is run before running the setup.exe, the following error will occur:				
	×			
The BizNetAPI is required for this program. Instal retry	II BizNetAPI and then			
	ок			

- 4. If a User Account Control dialog opens, click Yes.
- 5. The End User License Agreement dialog will open. Review the license terms and if you agree with the terms, select the I agree radio button and click Install.

📸 BizInsight - Desktop Edition	Setup	_		x
	Please read the BizInsight - D License Agreement	esktop	Edition	
End User License Agreement (Subscription Based)			-	^
	NOTICE TO ALL USERS: I THIS AGREEMENT CARE CLICKING THE "I AGREE THE BOTTOM OF THIS P. INSTALLING AND USING	FULLY " BUTI AGE OI	. BY ON AT	
	✔ I accept the terms in the License A	greement		
Print	Back Install		Can	cel

6. Click **Finish** when the installation completes.

😸 BizInsight - Desktop Edition	😸 BizInsight - Desktop Edition Setup			x
Completed the BizInsight Edition Setup Wizard Click the Finish button to exit the Set			·	
	Back Fini	sh	Can	cel

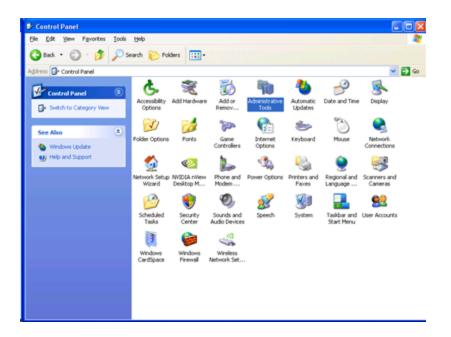
# Appendices

Adjusting the Sage 100 ODBC paths	
Manually Deploying Content Reporting Services Reports	
Manually Installing BizContent Add-ins	
Converting V4 Reports to BizInsight 5.0	141
OptimizeCache Adjustments	
Sysadmin Error Workaround	144
BizInsight Column Based Security Overview	
Assign BizInsight Security to Users	157
Content Installer Manual Install Steps	
Install Report Server	167
Create Report Server User	172
Create Linked Servers	173
Run Database Scripts	
Deploy Data Set Content	190
Deploy MetaData Content	
Deploy Function Content	
Administration Tool	
Config Tool	
Relevant Information	211
Re-Create Custom Objects	212
Retrieving Custom Properties	213

### Adjusting the Sage 100 ODBC paths

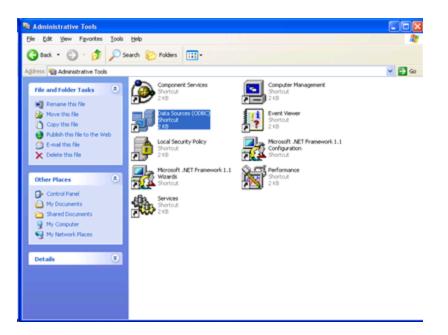
The Content Installer retrieves the paths to the Sage 100 company data directories from the SOTAMAS90 ODBC data source. If the paths in that data source are UNC or mapped drive paths, they must be changed in order for BizInsight to be able to retrieve data from the Sage 100 companies.

1. Click on Start > Control Panel to open the Control Panel. Double-click on Administrative Tools.



**IMPORTANT** For Sage 100 implementations that are using the 32-bit ODBC driver on 64-bit hardware, the 32-bit ODBC manager must be run from the %systemdrive%\Windows\SysWoW64 directory. Double-click the Odbcad32.exe and continue to the next step.

2. Double-click Data Sources (ODBC).

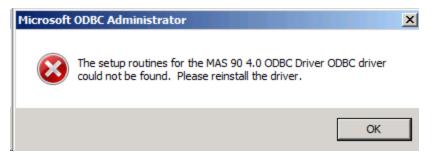


3. On the User DSN tab, select the SOTAMAS90 data source and click Configure.

👼 ODBC Data Source A	dministrator	×			
User DSN System DSN	File DSN Drivers Tracing Connection P	ooling About			
User Data Sources:					
Name	Driver	Add			
dBASE Files Excel Files	Microsoft Access dBASE Driver (*.dbf, *.ndx Microsoft Excel Driver (*.ds, *.xdsx, *.xdsm, *.x	Remove			
MS Access Database SOTAMAS90	Microsoft Access Driver (*.mdb, *.accdb) MAS 90 4 0 ODBC Driver	Configure			
•					
An ODBC User data source stores information about how to connect to the indicated data provider. A User data source is only visible to you, and can only be used on the current machine.					
[	OK Cancel Apply	Help			

If you get the following error, you are in the 64-bit ODBC administrator and the ODBC driver is 32-bit and must be managed using the 32-bit ODBC administrator tool. Refer to the note <u>earlier in this section</u> for information on

where to find the 32-bit ODBC administrator tool.



4. Change the **Database Directory** field from the UNC path (or mapped drive path) to the local directory location of the Sage 100 data.

A ProvideX ODBC Driver Setup	? ×
Basic Server Logon Options Debug About	
Data Source Name: SOTAMAS90	
Description: MAS 90 4.0 ODBC Driver	
Database Directory: \\\server2008r2\MAS 90\\Version4\MAS90 (This directory, `d contain PROVIDEX.DDF)	
Definition File: Change to a local directory path, for example C:\Program FilesSage Software\MAS90 \Version4\MAS90	
OK Cancel Ap	oply

5. On the **Options** tab, change the paths to the Sage 100 ERP system files to local directories.

**Prefix for data files:** [Sage100 database directory path]\SY\;[Sage 100 database directory path]\==\

Path to Views DLL: [Sage 100 database directory path]\Home

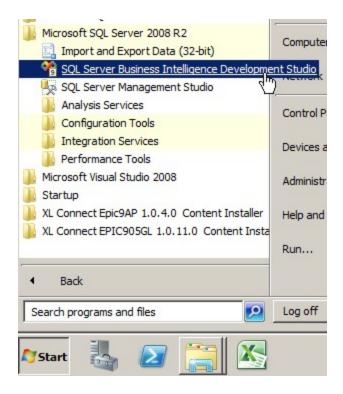
http://www.commonsteam.com/		<u>? ×</u>
Basic Server Logon Options [	Debug About	
	Software\MAS 90\Version4\MAS90\SY,C: ultiple entries separated by commas)	
Path to Views DLL: C:\Sage S	Software\MAS 90\Version4\MAS90\Home bry contains ProvideX DLL or shared object)	
Dirty Read: ☑ Burst mode: ☑ Key Restrict: □ Silent mode: □	Enforce DOUBLE: NULL Date: Strip trailing spaces: Cache Size MB: 4	
	OK Cancel App	ly

- 6. Click **OK** to save these settings.
- 7. Restart the Content Installer and restart the automatic installation.

#### Manually Deploying Content Reporting Services Reports

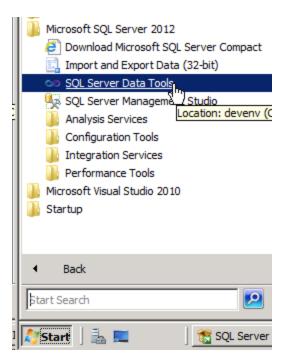
If the content installer does not detect your existing reporting services installation, it may be necessary to manually deploy the reporting services reports.

- 1. Run the content installer setup.exe to lay down the content files.
- 2. On the server where Reporting Services is installed (you'll have to make sure that it is installed and configured), open SQL Server Business Intelligence Development Studio.



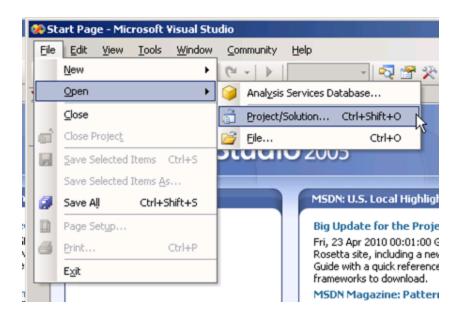
or Microsoft SQL Server 2012 > SQL Server Data Tools

*Note* The SQL Server Data Tools for BI ("SSDT BI") is a separate download for SQL Server 2014.



**IMPORTANT** If your server operating system is Windows Server 2008 or higher and User Account Control is enabled, Ctrl+Shift+Right-click on SQL Server Business Intelligence Development Studio (or SQL Server Data Tools) and choose "Run as administrator".

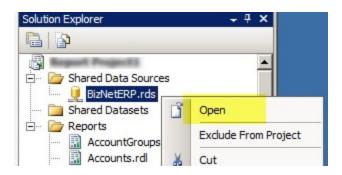
3. Click on File > Open > Project/Solution



4. Browse to the directory to which the content was installed, locate the Reporting Services folder and select the .sln file. If one does not exist, select the .rptproj file.

😚 Open Project	X
G → 📕 • Content • Server • Reporting Services •	<ul> <li>Search Reporting Services</li> </ul>
Organize 🔻 New folder	ii 🔹 🗍 🔞
File name: BizNetERP.sln	All Project Files (*.sln;*.dsw;*.vc      Open Cancel

5. Right-click on the shared data source and choose Open.



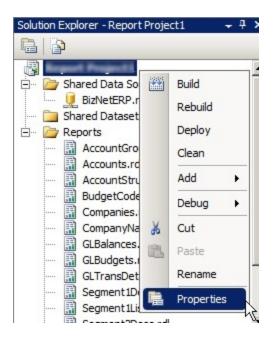
6. Click on Edit.

Shared Data Source Pr	operties	×
General Credentials	Change name, type, and connection options. Name: BizNetERP	
	Type:	
	Microsoft SQL Server	•
	Connection string:	$\frown$
	Data Source=localhostiinitial Catalog=BizNetERP	Edit
Help		OK Cancel

7. Enter the accounting system database server name (and instance name if applicable) in the **Server name** field. Select the accounting system database from the database drop down list. If your accounting system uses a system or control database, select that database instead of a specific company database. Once configured, click **OK**.

onnection Properties	? ×
Data source:	
Microsoft SQL Server (SqlClient)	Change
Server name:	
server2008r2	✓ Refresh
Log on to the server	
Use Windows Authentication	
C Use SQL Server Authentication	
User name:	
Password:	
Save my password	
Connect to a database	
Connect to a database     Select or enter a database name:     BizNetERP	
Select or enter a database name:	•
Select or enter a database name:     BizNetERP	Browse
Select or enter a database name:     BizNetERP	Browse
<ul> <li>Select or enter a database name:</li> <li>BizNetERP</li> <li>Attach a database file:</li> </ul>	Browse
<ul> <li>Select or enter a database name: BizNetERP</li> <li>Attach a database file:</li> </ul>	Browse Advanced

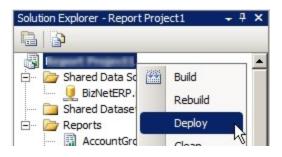
8. In the Solution Explorer, right-click on the top level and choose **Properties**.



9. Fill in the TargetReportFolder field with your preferred default folder name and complete the Target Server URL field with the reporting services *web service* url. Click OK.

General				
General	ErrorLevel	2		
	OutputPath	bin\Debug		
	Debug			
	StartItem			
	Deployment			
	OverwriteDatasets	False		
	OverwriteDataSources	False		
	TargetDatasetFolder	Datasets		
	TargetDataSourceFolder	Data Sources		
	TargetReportFolder	BizNetERP		
	Target Report Part Folder	Report Parts		
	TargetServerURL	http://server2008r2/reportserver_ SQL Server 2008 R2		
	TargetServerVersion			

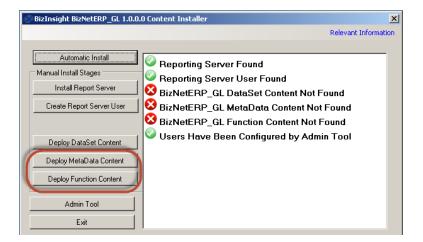
10. Right-click on the top level in the Solution Explorer and choose **Deploy**.



11. Once the RDLs are deployed, double-click on the content installer icon on the desktop.



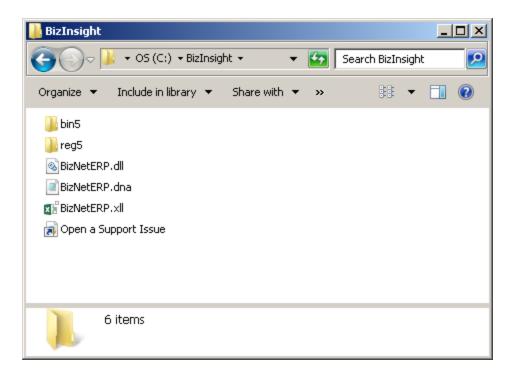
12. Run the **Deploy MetaDataContent** and **Deploy Function Content** options in the Manual Install Steps section to complete the content pack installation.



#### Manually Installing BizContent Add-ins

If you are using a BizInsight version that is older than , you will need to register the BizContent add-ins manually in Excel. BizNet Software recommends upgrading to the latest BizInsight version but if that is not possible, perform the following steps:

1. Browse to the BizInsight shared directory and copy the content add-in files (.dll, .xll and .dna) to the directory to which you installed the BizInsight client. If you are using separate config and admin folders, the client add-in files will be in the config folder.



The remaining steps vary based on the Office version installed:

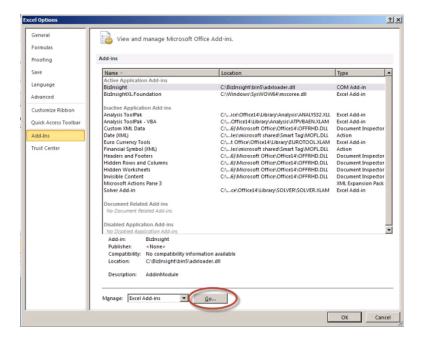
Office 2010/2013 steps Excel 2007 steps Excel 2003 steps

#### Excel 2010/2013

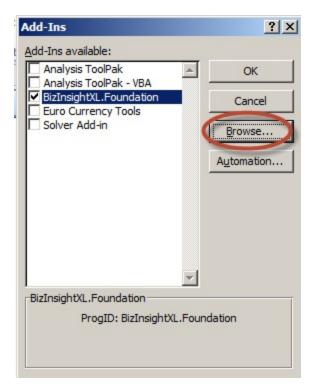
1. Click on File > Options.

<b>X</b>	
File Home	Insert
Save	
Save As	
🚰 Open	
Close	
Info	
Recent	
New	
Print	
Save & Send	
Help	
Doptions 🞝	
Exit	

7. Click on **Add-ins** in the left pane and then click on **Go** at the bottom on the right pane.



2. In the Add-ins dialog, click on the **Browse** button.



3. Browse to the directory to which you installed BizInsight and select the .xll file in that directory. Then click **OK**.

Browse				×
<b>→</b>	mputer 👻 Local Disk (C:) 👻 BizInsight 🕤		Search BizInsight	2
Organize 🔻 New fo	older		:== -	
Microsoft Excel	Name *		Date modified	Туре
_	🍌 bin5		8/17/2013 11:50 AM	File folder
🔆 Favorites	🔒 reg5		8/17/2013 11:50 AM	File folder
Desktop	BizNetERP		2/2/2012 11:19 AM	Microsoft E
Recent Places	👩 Open a Support Issue		5/9/2013 12:32 AM	Internet S
Documents Music  Pictures Videos				
🚢 Local Disk (C:)				
	▼ 4			
	File name: BizNetERP	▼ 4	Add-Ins	-
		Tools 👻	ОК С	ancel

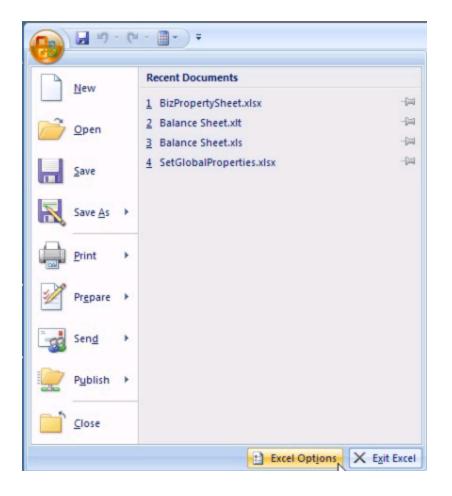
The Add-ins dialog should now look like the following:

Add-Ins	<u>? ×</u>
Add-Ins available:	
Analysis ToolPak Analysis ToolPak - VBA	OK
<ul> <li>BizInsightXL.Foundation</li> <li>BizNetERP</li> </ul>	Cancel
Euro Currency Tools	Browse
	Automation
BizInsightXL.Foundation ProgID: BizInsightXL	.Foundation

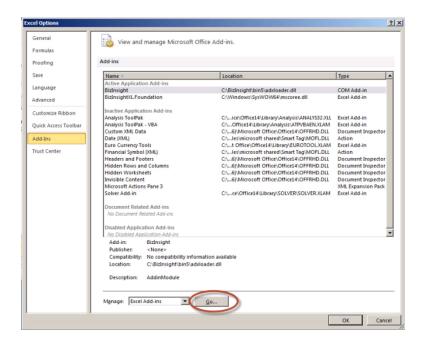
4. Click OK.

## **Excel 2007**

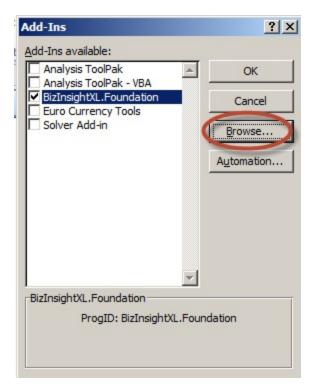
1. Click on the **Office** button and then click on the **Excel Options** button.



2. Click on **Add-ins** in the left pane and then click on **Go** at the bottom on the right pane.



3. In the Add-ins dialog, click on the **Browse** button.



4. Browse to the directory to which you installed BizInsight and select the .xll file in that directory. Then click **OK**.

Browse				×
•0 • 🚺 ⊽ 🔾	mputer 👻 Local Disk (C:) 👻 BizInsight 🤊		Search BizInsight	2
Organize 🔻 New fo	older		:== -	
Microsoft Excel	Name *		Date modified	Туре
_	in5		8/17/2013 11:50 AM	File folder
Favorites	🔒 reg5		8/17/2013 11:50 AM	File folder
Desktop	BizNetERP		2/2/2012 11:19 AM	Microsoft E
Recent Places	👩 Open a Support Issue		5/9/2013 12:32 AM	Internet Sh
Documents Music Pictures Videos				
Local Disk (C:)				
	▼ <u></u>			P
	File name: BizNetERP	• A	Add-Ins	-
		Tools -	ОК С	ancel

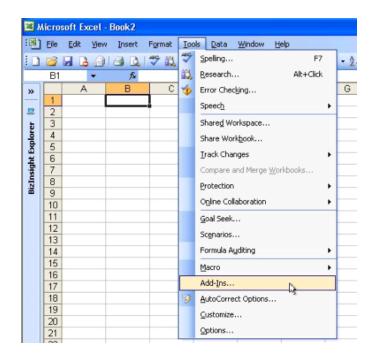
The Add-ins dialog should now look like the following:

Add-Ins	<u>? ×</u>
Add-Ins available:	
Analysis ToolPak Analysis ToolPak - VBA	OK
<ul> <li>BizInsightXL.Foundation</li> <li>BizNetERP</li> </ul>	Cancel
Euro Currency Tools	Browse
	Automation
BizInsightXL.Foundation ProgID: BizInsightXL	.Foundation

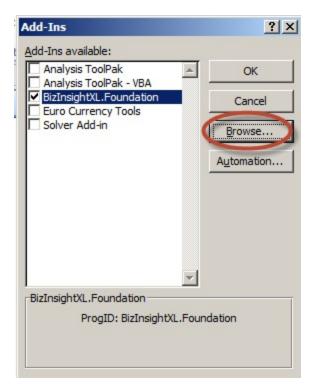
5. Click OK.

### **Excel 2003**

1. Click on Tools > Add-Ins



2. In the Add-ins dialog, click on the **Browse** button.



3. Browse to the directory to which you installed BizInsight and select the .xll file in that directory. Then click **OK**.

Browse				×
<b>→</b>	mputer 👻 Local Disk (C:) 👻 BizInsight 🕤		Search BizInsight	2
Organize 🔻 New fo	older		:== -	
Microsoft Excel	Name *		Date modified	Туре
_	🍌 bin5		8/17/2013 11:50 AM	File folder
🔆 Favorites	🔒 reg5		8/17/2013 11:50 AM	File folder
Desktop	BizNetERP		2/2/2012 11:19 AM	Microsoft E
Recent Places	👩 Open a Support Issue		5/9/2013 12:32 AM	Internet S
Documents Music  Pictures Videos				
🚢 Local Disk (C:)				
	▼ 4			
	File name: BizNetERP	▼ 4	Add-Ins	-
		Tools 👻	ОК С	ancel

The Add-ins dialog should now look like the following:

Add-Ins	<u>? ×</u>
Add-Ins available:	
Analysis ToolPak Analysis ToolPak - VBA	OK
<ul> <li>BizInsightXL.Foundation</li> <li>BizNetERP</li> </ul>	Cancel
Euro Currency Tools	Browse
	Automation
BizInsightXL.Foundation ProgID: BizInsightXL	.Foundation

4. Click OK.

## **Converting V4 Reports to BizInsight 5.0**

This version allows V4 customers to run their existing reports in 5.0 without the need to re-write their reports immediately. Customers are strongly urged to re-write their reports in order to be able to drill down on functions and take advantage of any new 5.0 capabilities not available with V4 functions. In addition, V4 customers who move to V5 will not benefit from the performance improvements made to the product unless V4 functions are converted to V5 functions.

~	"SUM", '	I <b>n.ExcelAddinModule1.Bizl 'CompanyCode=" &amp; "ABC", gment04 LIKE " &amp; "*", "Segn</b>	"FiscalYear=" & \$B\$4	l, "Fiscal Period	=" & \$B\$5, "Acco	unt LIKE " & '
	A	В	С		V4 function n Excel with	
1		ABC Distribution		5.0.54 III	stalleu.	
2		Income Statement				
З						
4	Fiscal Year	2009				
5	Fiscal Period	03				
6	1				Locations	
7			00	01	02	03
8						
9		Revenues				
10	400	Sales	0	235,767	7,734	4,848
11	425	Returns & allowances	(3,482)	0	0	0
12		Net Sales	(3,482)	235,767	7,734	4,848
13	450	Cost of Sales	0	(72,805)	(2,831)	(31,788)
14		Gross Margin	(3,482)	162,962	4,903	(26,939)

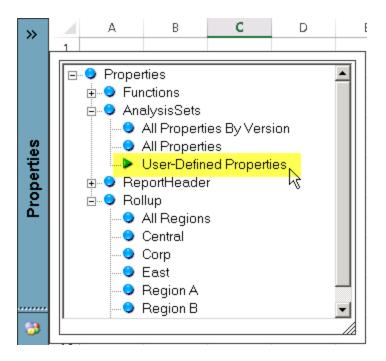
Customers upgrading to a 5.0 version of BizInsight from V4 will have to search for "BizAddIn.ExcelAddinModule1." and replace with nothing for their reports to run in the newer BizInsight version. The user's BizFunctions.xml must be copied to the content share directory that contains the 5.0 content client files (.dll, .dna, .xll). When searching your workbook, be sure to change the scope of your search from "Sheet" to "Workbook" to find all occurrences.

ind and Replace		?
Fin <u>d</u> Re <u>p</u> lace		
Find what: BizAddIn.ExcelAddinMoc	No Format Set	For <u>m</u> at 🔻
Replace with:	No Format Set	For <u>m</u> at 🝷
Within: Workbook - Match case		
	e cell c <u>o</u> ntents	
Look in: Formulas		Options <<
		opgions <<
Replace <u>All</u> <u>R</u> eplace Find Al	II <u>F</u> ind Next	Close

## OptimizeCache Adjustments

Most content packs come with special BizProperty settings named OptimizeCache. These properties establish what column to index for each in memory data cache and are essential for optimal report refresh times. We strive to design our content packs for the majority of customers. Given the flexibility provided by many accounting systems regarding account mask design, the differences in accounting system usage from customer to customer as well as individual report design differences, the default configuration may not be optimal for all customers and thus may need to be tuned for your specific use of your accounting system. As an example, we might optimize on Segment1 with the expectation that the natural account is in Segment1. Customers for whom their natural is not in Segment1 will need to adjust their OptimizeCache properties for the appropriate location of their natural account in their account masks.

Use the User-Defined Properties analysis set on the Properties menu to list any OptimizeCache properties that may exist for your implementation. For information on how to access the User-Defined Properties analysis set, see the section titled "Navigation Pane" in the User Guide.



If you feel you need to tune your BizInsight implementation, please refer to the document titled "*Report Performance Guide*" for instructions on how to optimize your in-memory caches.

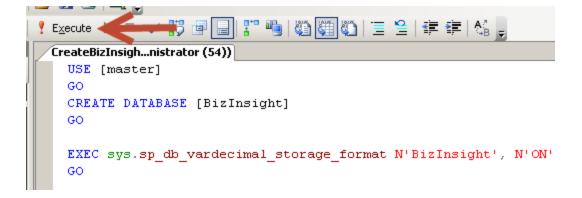
## Sysadmin Error Workaround

In some environments, the BizContent installer fails on the Deploy MetaData step with an error that the user does not have sysadmin rights. The following steps can be taken to workaround this issue. Before proceeding with these steps, be sure to check that the Windows account you're logged onto the server with does have sysadmin rights in SQL Server security. An account can be a domain admin or local administrator and not have sysadmin rights in SQL Server.

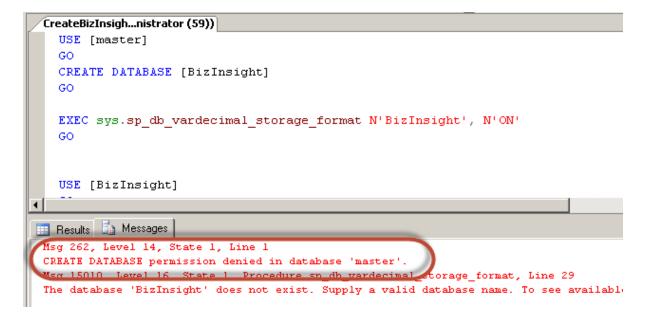
1. Open SQL Server Management Studio. Click on File > Open > File and browse to the scripts subdirectory of the Access To SQL Conversion Tool folder. Select the first script and click **Open**.

Open File		<u>?</u> ×
Look <u>i</u> n:	🛅 scripts 💽 🕑 🕶 🖄 🔍 🔀 🔠 🕶 Tools 🕶	
Desktop	CreateBizInsight.sql CreateBizInsightDB.sql	
My Projects		
My Computer		
	File <u>n</u> ame:	
	Files of type: All Files (*.*)	icel

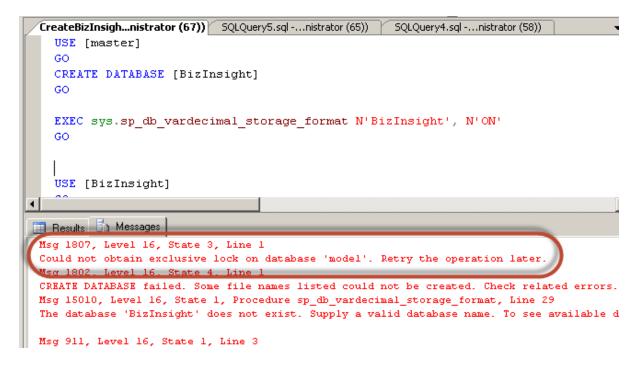
Execute the script to create the BizInsight database.



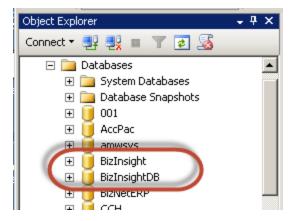
If the following error occurs, the login you are logged in with does not has sufficient rights to create the databases. Disconnect and log back in as a user with sysadmin rights.



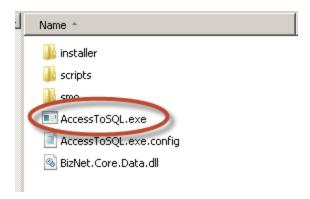
If an error occurs that an exclusive lock could not be obtained for the model database, you will need to stop and restart the SQL Server service.



Close the script and repeat steps 2 and 3 for the second script which will create the BizInsightDB database. Once both scripts are executed, you will see the two new databases added to the Databases section:



2. Open the Access to SQL directory and double-click the AccessToSQL.exe.



The application will prompt to install .NET 4 if not found on the local machine.

 Locate the biz files to convert. Press the search button and browse to the content installer's installation folder. The default location of the .biz files should be C:\Program Files (x86)\BizNet Software\ContentName and version\Content\Server\Shared Directory.

	nere the SQL Server database is located
	Browse For Folder
View Log	Program Files (x86)       ^         Acro Software       ^         Adobe       ^         AnjLab.com       ^         BizNet Software       ^         BizNetERP_GL 1.0.0.0       ^         Content       ^         Server       ^         Brother       ^         Make New Folder       OK

You will receive the following error if you select a folder that does not contain the Access-based .biz files:

No Biz Files		×
Biz files not foun	ıd.	
Retry	Cancel	

4. In the Machine name field, type in the sever name and instance name, if applicable, of the SQL Server installation where you want the SQL metadata databases created. Ex: servername\instancename.

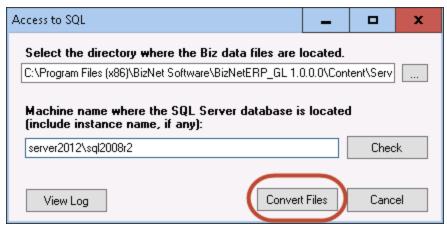
Access to SQL	-		x		
Select the directory where the Biz data files are located.					
C:\Program Files (x86)\BizNet Software\BizNetERP_GL 1.0	).0.0\Con	tent\Serv			
Machine name where the SQL Server database is (include instance name, if any): server2012\sql2008r2	s located	Chec	k		
View Log Convert	: Files	Canc	el		

If the server is not found, the following error will display:

Connection Error	×
Cannot connect to "W2k3SVR".	
ОК	

5. Click the **Check** button to enable the **Convert Files** button.

6. Click the **Convert Files** button to start the conversion process.



6. Once the conversion is complete, a log will be displayed.

🖶 frmLog					<u>_                                    </u>
FmLog 3/5/2014 5:44:43 PM 3/5/2014 5:44:50 PM 3/5/2014 5:44:51 PM 3/5/2014 5:44:51 PM 3/5/2014 5:44:51 PM 3/5/2014 5:44:52 PM 3/5/2014 5:44:52 PM 3/5/2014 5:44:52 PM 3/5/2014 5:44:53 PM 3/5/2014 5:44:53 PM 3/5/2014 5:44:55 PM 3/5/	BizCache BizProper Cleaning imported d recommendation Retrieving row cour BizInsight	Jakabasesdone sight found sightDB found dFunctions s sHistory y ata atadone tts BizNetProperty Hierarchy 75 → 75 RestrictedFunction	437 > 437 629 > 29 1 > 1 1494 > 1494 39 > 39		
				Save	Close

**NOTE** The RestrictedFunctions table count may be different from the original count. The process removes duplicate function names.

7. Click **Close** to close the log display. Then click **Cancel** to close the Access to SQL Tool.

- 8. Go back to the Content Installer and re-run the Deploy MetaData step. It should run without error.
- 9. Complete any remaining Content Installer steps. Be sure to run the Admin Tool step to ensure users are given rights to the SQL MetaData databases.

## BizInsight Column Based Security Overview

#### Disclaimer:

The following information is for general purposes only. The information is provided by BizNet Software and while we strive to keep the information up to date and accurate, we make no representations or warranties of any kind, express or implied, about the accuracy or reliability with respect to our internal research contained in this documentation. Any reliance you place on such information is therefore strictly at your own risk.

In no event will BizNet Software, Inc or BizNet Software, Inc. be liable for any loss or damage including without limitation, indirect or consequential loss or damage, or any loss or damage whatsoever arising from loss of data or profits arising out of, or in connection with, the use of the documentation.

In any ERP system, the balance between making data accessible to end users while denying access to those who should not have access is a difficult challenge. ERP security only at the application layer is not a truly secured system; the communication between the application and the data is exposed to users who are not authorized to access confidential information. BizNet Software has incorporated four layers of security into the BizInsight product. These security levels are as follows:

- 1. BizInsight License User Types Security
- 2. DataSet Security applies to RDL security on the Report Server.
- 3. MetaData Security applies to SQL Database and Shared Directory folder.
- 4. Column Security applies to all functionality on content packs. (Functions, Drill-downs, and Analysis Sets)

Of the above four security levels, two are specifically provided with the BizInsight product: BizInsight License User Types Security and Column Security. The other two items, DataSet Security and MetaData security, utilize the native security model provided with Reporting Services, SQL Server, and Windows NTFS security.

BizInsight uses Reporting Services to store the queries and datasets used for connectivity to the accounting system. Reporting Services provides its own security and BizInsight objects can be independently secured using the delivered Reporting Services security model. Users must be granted access to the BizInsight objects published to Reporting Services in order to utilize them.

BizInsight uses SQL databases (BizInsight and BizInsightDB) to store product metadata. BizInsight users must be provided access to these databases using native SQL Server security. In addition, the BizInsight shared directory is also a metadata repository and sufficient Windows NTFS security.

### BizInsight License User Types Security

This security level ensures that only licensed users are able to use the BizInsight product. In addition, BizInsight licensing is broken out into different user types: . The different user types have decreasing capabilities with the Designer user having the most capabilities. See the User Guide for more information regarding the different user types and their capabilities.

### **Column Security**

Column security is based on a security policy that specifies the rules and conditions under which a user can access a column value from a table. The column access restriction is based on individual user permissions. When defining the column to apply the restriction, the column must exist across all datasets from which BizInsight is retrieving data. In most business policies, restricting access by the "Company" column is the most frequently used security logic; however, BizInsight provides the flexibility to utilize other columns.

The column security design uses an optimistic method in restricting user access: IT administrators will need to provide the values to deny. Values not listed are inferred to be allowed. For example, if a user is permitted to access 97 out of 100 unique values, 3 restricted values will need to be defined when defining column security for that user. The remaining 97 values not defined in the security table will be able to be accessed by that user. All possible threats, vulnerabilities, and attacks and choosing the security design to implement are based on threat mitigation as first and performance second.

When column security is enabled and user restrictions are defined, access to the data will be restricted for the particular user. On the client machine, the user restriction policy applies to all content modules and functionality. Any access to functions, drill-down, and analysis set is denied if the restricted value is inserted in the feature. In the scenario of multiple parameters being passed to a function, if one of the parameter values is restricted, the security will deny access completely even though the user many have access to the non-restricted values.

### Security vs Performance

Design choices for securing a system affect performance, scalability and usability. The more secure a system becomes, the more companies must compromise in terms of performance and usability. In selecting the best balance between security and performance, the optimistic security design has proven to be the ideal option. The below research and development results are based on BizNet Software internal testing and illustrate the impact security has on performance. Results will vary depending on network connection, environmental setup, and Microsoft Office bitness.

Scenario: Excel 2010 64-bit BizData Iterations - 80,688 Dedicated Server and Client Machine	First Refresh (sec)	Second Refresh (sec)	Offline Mode	Number of Restricted Values
Baseline: Security OFF on SQL Database	114.57	113.18	69.07	N/A
Security ON with no restricted users	111.4	109.38	75.18	0
Security ON and restricted values apply to the current user	118.81	114.61	74.16	1
Security ON and restricted values apply to the current user	124.54	119.9	80.14	6*
Security ON and restricted values apply to the current user	132.14	126.58	86.39	12*
Security ON and restricted values apply to other users	114.97	120.16	69.28	N/A
Security ON and restricted values apply to all users	124.64	119.29	79.16	N/A

\* Multiple restricted columns is not currently supported

### Key Results:

- 1. When Security mode is activated with no restricted values in the security table, little to no significant reporting performance loss.
- 2. When Security mode is activated with restricted values in the security table, there is about a 10% loss in reporting performance.

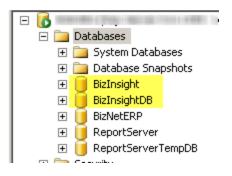
3. When Security mode is activated with double the amount of restricted values in the security table, there is about a double percentage loss in reporting performance.

### **Column Security Limitations**

- Only a single column can be restricted. Multiple column security is not supported.
- The column must exist across all content packs.
- The column must exist as a server side parameter on RDLs. Security on optional parameters is not supported.
- The column name should be uniform across all RDLs.
- Connected to an single ERP. Multiple ERP systems are not supported.
- Security is based on an 'Exclusion Method'. IT administrators must insert values to restrict access.

### **Requirements to Use Column Security**

- BizInsight 5.0.35.0 and later is installed on all client machines.
- Existing BizInsight and BizInsightDB databases created using a Content Installer and were created directly in SQL Server (not converted using the Access to SQL conversion tool).



• Reporting Services versions 2008, 2008 R2, 2012, 2014 or 2016

## Column Security User Experience

When a user tries to access data to which they have been denied access, the cell will display #VALUE.

	А	В	С
1			
2		Not Restricted	Restricted
3	Company	Epic01	Epic03
4	Year	2009	2011
5	Period	12	4
6	Book	TARGET	TARGET
7			
8			
9	4*	-535800.78	#VALUE!
10			

To confirm that the error is due to Column Security, check the event log by clicking on the **About** button on the BizInsight ribbon and then clicking on **Support Tools** > **View Events.** A #COLUMN\_SECURITY error will be logged there if the #VALUE is due to restricted access.

If the user refreshes a report that tries to retrieve data for a company to which they have no access, an error message will be displayed indicating they have requested restricted data:

Problem running formula 🛛 🔀
The refresh has encountered the following error in a formula:
#COLUMN_SECURITY
Would you like to cancel the current run?
Yes No

Analysis sets that try to retrieve restricted data will return #COLUMN\_SECURITY:

Refer to the Installation Guide for instructions on implementing Column Based Security.

## Assign BizInsight Security to Users

Each BizInsight user's Windows account name must be added to a .users file in the admin shared directory in order for that user to perform any BizInsight action. You will use the License Administration Tool to perform these steps.

To assign BizInsight security to your users, do the following:

1. On the server, double-click any content installer desktop icon. If the content installers were installed without desktop icons, browse to the installation directory and double-click the file named "BizNet Content Installer.exe". If the content installer was uninstalled, reinstall it.



If you do not want to reinstall the content installer, see "Manual Steps" on page 163.

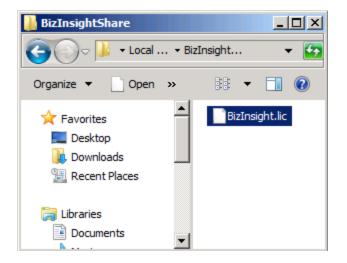
2. Click on the Admin Tool button.

🖉 BizInsight Co	ntent Installer
	Relevant Information
Automatic Install Manual Install Stages Install Report Server Create Report Server User Run Script Files	<ul> <li>Reporting Server Found</li> <li>Reporting Server User Found</li> <li>Scripts Have Been Run</li> <li>DataSet Content Found</li> <li>MetaData Content Found</li> <li>Function Content Found</li> </ul>
Deploy Data Set Content Deploy MetaData Content Deploy Function Content Admin Tool Config Tool	<ul> <li>Users Have Been Added by Admin Tool</li> <li>Settings Have Been Configured by Config Tool</li> </ul>
Exit	5

3. Click on the ellipses and browse to the admin share folder of your BizInsight shared directory.



4. Select your BizInsight license file and click Open.



5. Click on the **Validate License** button to check how many licenses you currently have. Your current license count will be displayed.

License Administration Tool - SERVER2003\Administrator	<u> </u>
Administration Path	
C:\BizInsightShare\AdminShare\BizInsight.lic	
Network share where your license file is stored.	
Validate License	
BizNet Software Test License Expiration 01/31/2029	
Developer 1 Designer 2 Viewer 2	
DrillDown 2	
Configure Users	
	Exit

6. Click on the **Configure Users** button. The **Current Users** dialog will open.

License Administration Tool	- SERVER2008R2	linda	
Administration Path	🖉 Current Users		
C:\BizInsightShare\Admin\BizInsi	User Type	Users	
Network share where your license	Designer 💌	domain \linda	
	Designer 💌	domain\albert	
Validate License	Viewer 💌	domain\marilyn	
BizNet Software Test License	Viewer 🗾	domain\frank	
Expiration 01/31/2029	•		
Developer 1 Designer 2 Viewer 2 DrillDown 2 Configure Users			
	Add Row	Delete Row	Commit Changes

7. You will now add your new BizInsight user and assign them a user type. Click on the **User Type** drop down and select the desired user type. If you want your user to be a Designer, choose Designer from the drop down list.

🖉 Current Users	;	<u>_                                    </u>
User Type	Users	
Designer 💌	domainNinda	
Designer 💌	domain\albert	
Viewer 💌	domain \marilyn	
Viewer 💌	domain\frank	
Designer Viewer DrillDown		

8. Type the user's name in the **Users** field in the format of domain\username.

**WARNING** Do not add your own login using the Admin Tool unless you know for sure that you have another login available with sysadmin rights to the SQL Server instance. Early versions of the content installer (pre version 1.6) will remove existing permissions for users, including those with sysadmin rights. If uncertain, skip this step and confirm sysadmin access will not be lost then return to complete the Admin Tool step.

🕙 Current Users		
User Type	Users	
Designer 💌	domain\linda	
Designer 💌	domain\albert	
Viewer 💌	domain\marilyn	
Viewer 💌	domain\frank	
Viewer 🗾	domain\winston	
•		
		,

9. Click on the **Commit Changes** button when finished. You will be presented with a message asking if you want to grant the user additional security permissions. Click **Yes**.

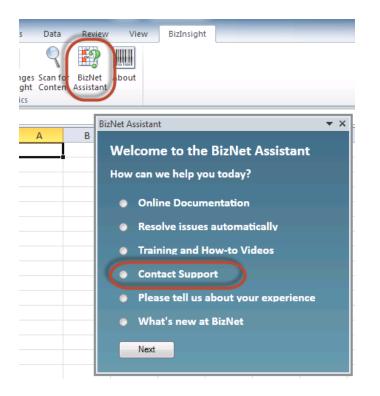


If you have entered more names for a particular user type than you have licenses, you will get an error similar to the following.



You will be returned to the **Current Users** dialog where you can remove a row so that you comply with the number of licenses your company purchased. Select the row to remove and click the **Delete Row** button.

To purchase additional licenses, use the BizNet Assistant button to open a support ticket indicating that you need to purchase additional licenses.



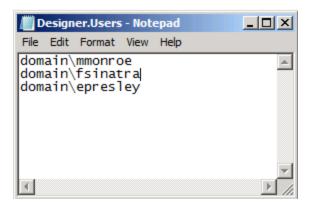
When you receive your new license, move your old license from the Administration Path shared directory and save the new license there. Do not rename the old license and leave it in the Administration Path; it must be removed from the directory in order for the new license count to take effect.

# Manual Steps

1. In the Admin shared directory, open the .users file with Notepad that corresponds with the BizInsight permissions the user should have. For example, if the user should have Designer permissions, you would open the Designer.users file.

*Tip* If you are not sure where to find the Admin shared directory, go to an existing user's workstation, open Excel and click on the **Application Settings** button on the BizInsight ribbon and copy the path provided for the Administration Path.

2. In the .users file, add the Windows account name of the BizInsight user. For more information on the different user types, refer to the User Types section of the User Guide.



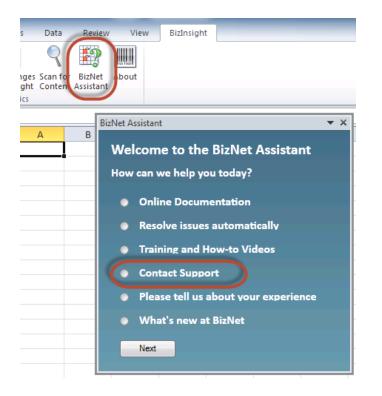
3. Save and close the file.

**IMPORTANT** As you add Windows account names to the .users files, add only as many as you have licenses. If you add more Windows account names than you have licenses or you have an extra line return in the file, users will get an error message similar to the following when they open Excel after BizInsight is installed.



If you are not sure how many licenses you have, open the .lic file that is in the Admin shared directory with Notepad and check how many licenses are shown for the user type you are adding.

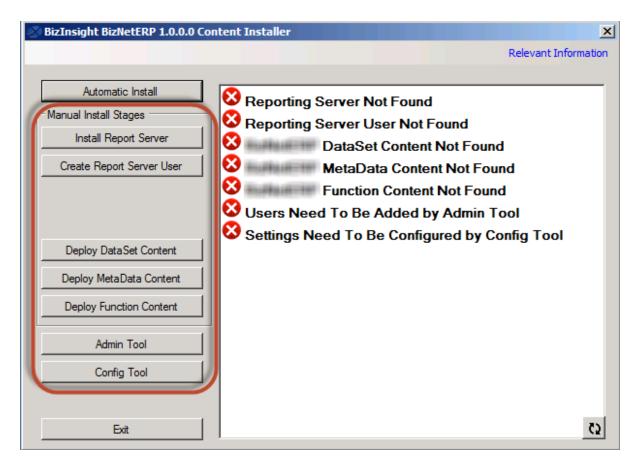
To purchase additional licenses, use the BizNet Assistant button to open a support ticket indicating that you need to purchase additional licenses.



When you receive your new license, move your old license from the Administration Path shared directory and save the new license there. Do not rename the old license and leave it in the Administration Path; it must be removed from the directory in order for the new license count to take effect.

## **Content Installer Manual Install Steps**

Use the Manual Install Stages section to implement each element yourself. You may choose to use this approach when only certain elements need to be implemented or the automatic install is not detecting your existing Reporting Services installation.



Install Report Server	
Create Report Server User	
Create Linked Servers	
Run Database Scripts	
Deploy Data Set Content	
Deploy MetaData Content	
Deploy Function Content	
Administration Tool	

Config Tool	
Relevant Information	

# Install Report Server

Use the **Install Report Server** button to either install SQL Server and Reporting Services or point the content installer to an existing SQL Server instance. The Content Installer will detect previous installed instances of SQL Server 2008, 2008 R2, 2012, or 2014 on the local server machine.

If no instances of SQL Server are detected, the Content Installer will install 32-bit Microsoft SQL Server 2008 R2 Express with Advanced Services. **IMPORTANT** If your existing SQL Server installation is not detected and you do not want to install SQL Server 2008 R2, cancel the installation, restart the Content Installer and see "Deploy Data Set Content" on page 190.

Find
¥
Cancel

- 1. Click on the Install Report Server button to start the process.
- 2. You may be asked to enable the local Administrator account. Click **OK**, **Thanks**, even if you know that the Administrator account is enabled.

Required Confirmation	
We recommend enabling the local Administrator ac Your installation of SQL Server Reporting Services correctly. Do you want to continue?	
Ok, Thanks	No, Let me go back and fix this

3. The installer will ask whether you are using a 32-bit version of Sage 100 or a 64-bit version. Choose the appropriate button.

Driver Selection	
Which type of MAS90 providex driver do you use?	
32 Bit	
64 Bit	
I don't know	
11	

**IMPORTANT** This question controls whether a 32-bit a 64-bit version of SQL Server is installed. SQL Server can only access and use ODBC drivers that are the same bitness. If you do not know whether your Sage 100 installation is using a 32-bit or 64-bit ODBC driver, click I don't know and the installation will be canceled. You will need to ascertain that information before the installation can proceed.

BizNet	×
Install Canceled. Install canceled. Please verify the bitness of your ProvideX driver before continuing with the installation.	
OK	

4. If the Content Installer detects existing instances of SQL Server Reporting Services installed on the local server machine, the following dialog will display giving you the option to use the existing installation or to install a side by side installation.

#### Select Sql Server

Sql Server has been detected as already installed on you computer.

Click here to start a side by side install of Sql Sever 2008 R2 Express. (Recommended)

Instance Name: MSSQLSERVER, Sql Server 2008 R2, 32Bit

Click here to use a currently installed Sql Server that you have checked above.

Click here to override and enter your Sql Server information

Click here to cancel install.

Option	Description
Click here to start a side by side installation of SQL Server 2008 R2 Express	The side-by-side option is the recommended option to ensure that all configuration changes needed for BizInsight purposes do not interfere with other applications that may be using SQL or Reporting Services.
Click here to use a currently installed SQL Server that you have checked above	Use this button to specify that the installer use a detected existing instance. Be sure to check the checkbox next to any detected instance before using this button. IMPORTANT If Sage 100 is using a 64-bit ODBC driver and an existing 32-bit SQL instance is detected, do <b>not</b> choose that existing instance. Instead, choose to do a Side-By-Side installation of SQL Server. A 64-bit ODBC driver cannot be used by a 32-bit SQL Server instance.

Option	Description
Click here to override and enter your Sql Server information	Use this button If you need to specify a different port or want to use HTTPS for secure communications or your existing installation is not detected.
	When this button is clicked, a warning will display to emphasize the requirement that the content installer must be run on a server with a SQL database engine installed. Click OK to clear the message.
	×
	The SQL Server override must connect to a SQL Server on machine SERVER2008R2
	ОК
	Report Server Override
	Connection Sting For SQL Server Server-SERVER2008R2Vnstance_name.Trusted_Connection=True; Windows Authentication Example SQL Server Authentication Example Test SQL Server Connection Web URL For Report Server Intp://(MACHINE-NAME//ReportServer_IREPORT-SERVER-INSTAINCE)
	Test Report Server Connection Override Report Server Instal Cancel
	In the <b>Connection String for SQL Server</b> field, enter a valid
	connection string for the SQL Server instance to which the
	Content Installer should install the SQL MetaData databases. Use the <b>Windows Authentication Example</b> or the <b>SQL Server</b>
	<b>Authentication Example</b> buttons to populate the connection string with sample syntax. Be sure to change the values to values valid for your environment.
	In the <b>Web URL for Report Server</b> field, enter the <b>web service</b> <b>URL</b> for the Reporting Services site to which Content Installer should deploy the content RDLs.

If no Reporting Services Server is detected, the process automatically installs SQL Server 2008 R2 Express with Advanced Services and uses "BIZNET" as the default Report Server instance name.

Content Installer	
Save to: C:\Users\linda\AppData\Local\Temp\Temp Working Area\SQLEXPRADV_x86_ENU.exe	
File size:	
	Cancel
Please wait while your download starts	

**IMPORTANT** IF an existing reporting services installation that you want to use is not detected by the installer or you are not able to use the Override option, contact BizNet Software Support for assistance.

If you get the following error after selecting the side by side installation, verify that you have internet access.

Error		×
	An error occurred while downloading file. Possibe causes: 1) File doesn't exist 2) Remote server error	
	OK	

If the side-by-side installation fails, contact BizNet Software Support for assistance.

Once installation is complete, the Content Installer dialog will update to reflect that a Report Server was found.

## **Create Report Server User**

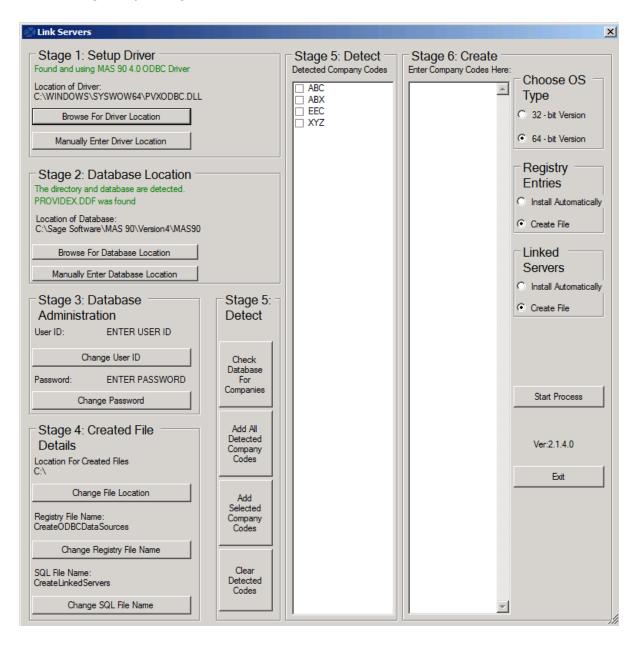
The **Create Report Server User** option creates the currently logged in user account as a new user in Reporting Services with the Content Manager role. This step is necessary to ensure that the currently logged in user account has sufficient rights to deploy datasets in the later stage of content installation.

SQL Server		eporting Services	
	🗙 Delete 🕕 🎥 New Role Assignment		
Security		Group or User 🗸	Role(s)
		Edit BUILTIN\Administrators	Content Manager
		Edit SERVER2008R2\adminuser	Content Manager
	<u></u>		

**NOTE** BizInsight end users will be assigned Reporting Services security by the License Administration Tool.

## **Create Linked Servers**

Use this button to create ODBC data sources and Linked Servers for each Sage 100 company from which data will be retrieved using BizInsight. If you add a new company to Sage 100, you can come back to this button to get that new company setup for BizInsight reporting.



1. You will work through this dialog starting with the Stage1 section (upper left).

### a. Stage 1: Setup Driver

The installer will try to automatically detect the ProvideX ODBC driver

Stage 1: Setup Driver Found and using MAS 90 4.0 ODBC Driver	
Location of Driver: C:\WINDOWS\SYSWOW64\PVXODBC.DLL	
Browse For Driver Location	
Manually Enter Driver Location	

If the driver is not found, click on the Browse button to browse to the directory in which the driver is located. Or manually enter the path.



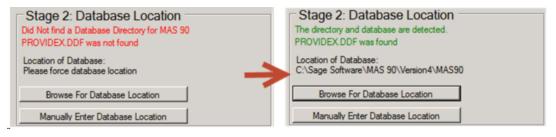
#### b. Stage 2: Database Location

The installer will try to automatically identify the location of the MAS90 company data directories.

Stage 2: Database Location The directory and database are detected. PROVIDEX.DDF was found
Location of Database: C:\Sage Software\MAS 90\Version4\MAS90
Browse For Database Location
Manually Enter Database Location

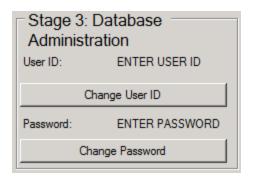
**CRITICALLY IMPORTANT** If the detected database location is a UNC path or a mapped drive path, you must go to Task Manager and end task the Content Installer. See "Adjusting the Sage 100 ODBC paths" on page 119 for instructions on how to change the detected paths to a local directory on the server. If this installation is being done on a server that is not where the Sage 100 ProvideX data is located, you must perform the installation on the Sage 100 data server.

If the installer cannot find the directories, click on the Browse button and browse to the directory that contains the SAGE 100 company database directories (MAS\_XXX). This location should be a local drive, not a mapped drive or a UNC path.



#### c. Stage 3: Database Administration

Provide a SAGE 100 login id and password with rights to all companies from which data will be retrieved using BizInsight. BizNet recommends creating a login id for BizInsight reporting purposes and using this login id instead of using an existing user's login and password that could be changed or deleted in the future.



#### d. Stage 4: Created File Details (Optional)

This section allows you to override the default file location and file names that the tool can create for the next installation steps.

<ul> <li>Stage 4: Created File</li> <li>Details</li> </ul>
Location For Created Files C:\
Change File Location
Registry File Name: CreateODBCDataSources
Change Registry File Name
SQL File Name: CreateLinkedServers
Change SQL File Name

e. Stage 5: Detect and Stage 6: Create

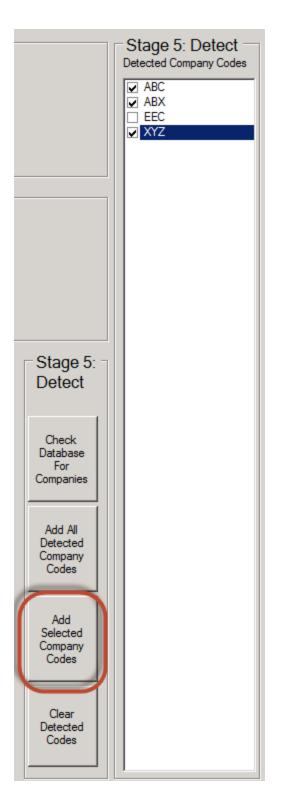
Use this section to automatically detect existing Sage 100 companies and select which ones to setup for BizInsight reporting.

	Stage 5: Detect Detected Company Codes	Stage 6: Create Enter Company Codes Here:
Check Database For Companies		
Add All Detected Company Codes		
Add Selected Company Codes		
Clear Detected Codes		Y

The **Check Database For Companies** button will load all Sage 100 companies into the **Stage 5: Detect** pane.

The Add All Detected Company Codes button will add all detected companies to the Stage 6: Create pane.

To add only certain companies for BizInsight reporting, check the checkbox next to the company code in the **Stage 5: Detect** pane and then click the **Add Selected Company Codes** button.



Use the Clear Detected Codes button to start over.

#### f. Choose OS Type

Select the appropriate radio button to indicate the bitness of the *server* hardware, 32-bit or 64-bit.

#### g. Registry Entries and Linked Servers

Use these options to control the next installation steps. Make sure the **Create File** option is selected. This will create files in the directory specified in the Stage 4 section. You will execute these files yourself when the content installer completes.

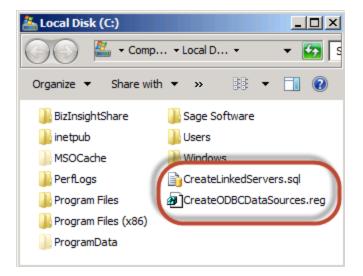
Registry Entries
C Install Automatically
Create File
linked —
Lintoa
Servers
Servers Install Automatically

h. Click on the Start Process button.

You will received the following message when the **Create Files** option is selected. Click **Yes**.



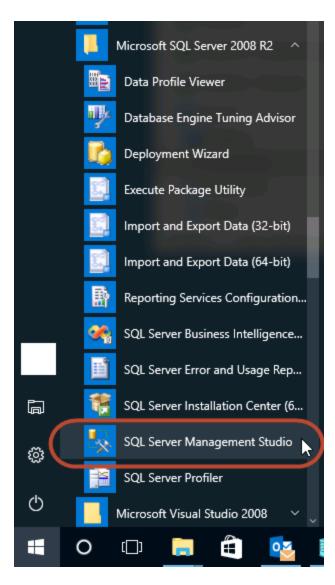
A Windows Explorer window will open to the directory containing the files that were created.



- i. Open the CreateODBCDataSources.reg file with Notepad.
- j. Search for **pvxodbc.dll** and check to see if there is a single back slash preceding the file name or two back slashes. If there is only a single back slash, do a search and replace of \pvxodbc.dll with \\pvxodbc.dll.

CreatedOBCDetSourcesrg - Notepad
windows Registry Editor Version 5.00 [WEY_LOCAL_JACHINE\SOFTWARE\wow6432Node\DBC(DBC.INT/DBC Data Sources] "MASD0 == "waS 90 4.0 DOBC of Ver" [WEY_LOCAL_JACHINE\SOFTWARE\wow6432Node\DBC(DBC.INT/DBC Data Sources] "Sace:\Sace:Sace:Sace:Sace:Sace:Sace:Sace:Sace:
"MASSO_"-MAS 90 4.0 ODBC DRIVER"[INEX_LOCAL_MACHINE\SOFTWARE/wow6432Node\ODBC\DDBC:INT/MASSO]"Driver"=" Company'="""LIDB'': Company'="""LIDB'': Company'=""""LIDB'': Company'=""""LIDB'': Company'=""""LIDB'': Company'=""""LIDB'': Company'=""""LIDB'': Company'=""""LIDB'': Company'=""""LIDB'': Company'=""""""""""""""""""""""""""""""""""""
Find what: \\SAGE2014\\WAS90 exvode: di Find Net Replace with: \\SAGE2014\\WAS90 \range wonde: di Replace Al Replace Al Cancel

k. Save the file, being sure to preserve the .reg extension, then doubleclick to create the ODBC data sources.  Open SQL Server Management Studio (Start > Programs > Microsoft SQL Server version > SQL Server Management Studio)



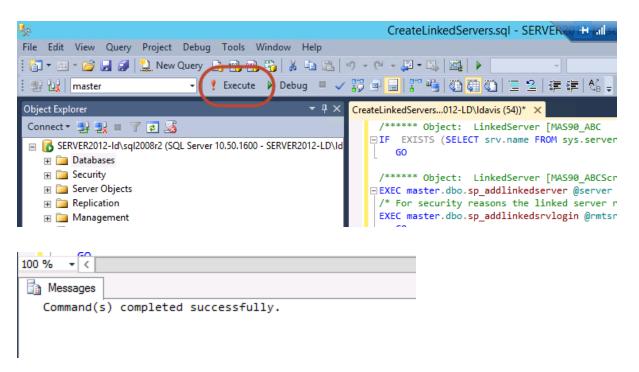
m. Click on File > Open > File, browse to C:\ and select the CreateLinkedServers.sql file.

5	Open File		×
⋲ 💿 - ↑ 👗 •	This PC 🔸 Local Disk (C:) 🛛 🗸 ぐ	Search Local Disk (C:)	Q,
Organize 👻 New fol	er	•== +	
⊳ 🖳 SQL Server Manage	Name	Date modified	Type 🔨
	🌗 Packaged Content	12/17/2015 5:05 PM	File fol
⊿ 🚖 Favorites	PerfLogs	8/22/2013 10:52 AM	File fol
Desktop	PortQryV2	5/17/2016 9:20 AM	File fol
Downloads	🌗 Program Files	10/14/2016 11:52	File fol
🕮 Recent places	Program Files (x86)	11/10/2015 8:09 AM	File fol-
_ ·	🍌 ProgramData	2/2/2015 12:48 PM	File fol
4 🌉 This PC	🌗 Users	3/10/2016 5:04 PM	File fol
🛛 隆 Desktop	🍌 V2Share	5/27/2015 3:25 PM	File fol <sub>■</sub>
Documents	J Windows	10/14/2016 11:56	File fol
Þ \rm Downloads	XL Connect Developer	5/26/2016 10:19 AM	File fol
🛛 🚺 Music	CreateLinkedServers.sql	2/9/2015 12:49 PM	SQL Fi
👂 📔 Pictures	CreateODBCDataSources.reg	2/9/2015 12:49 PM	Registi 🗸
Videos	× < III		>
Fi	name:	✓ All Files (*.*)	*
		Open 🔽 Car	ncel

If the following message is displayed, click Yes.

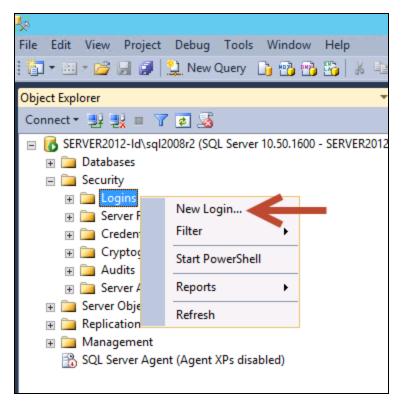
Inconsistent Line Endings ? X
The line endings in the following file are not consistent. Do you want to normalize the line endings? C:\CreateLinkedServers.sql
Line ending:
Windows (CR LF) 🗸
Yes No
Always show this dialog

n. Click Execute to run the script.



o. The BizInsight Content Installer only grants SQL sysadmin rights to the user performing the installation. It is a good idea to add additional administrative logins to ensure more users have sysadmin rights to this SQL installation. The next steps describe how to add the built-in Windows group "Domain Admins" with sysadmin rights as an example.

p. Expand the **Security** node in the SQL Server Management Studio Object Explorer. Right-click on **Logins** and choose **New Login**.



q. Click on Search.

B	Login - New	_ <b>D</b> X
Select a page Page General	🔄 Script 🔻 📑 Help	
Server Roles User Mapping Securables Status	Login name: Windows authentication SQL Server authentication	Search
	Password: Confirm password: Specify old password	
	Old password:	

r. Click on **Object Types** and check the **Groups** checkbox. Click **OK**.

	Select User or Group
Select this obj User or Built-i From this loca SERVER201 Enter the ob	ect type: n security principal tion: 2-1 D Object Types Object Types X Select the types of objects you want to find.
Advance	Object types:         Image: Construction of the security principals         Image: Construction of the security prison of the security prison of the security principals     <
Connection	
Server: SERVER2012	OK Cancel
Connection:	

s. Select your domain and click OK.

	Select User or Group		x	
Use From	ct this object type: r, Group, or Built-in security principal this location: RVER2012-LD	Dbject Types. Locations		
Ent	Locations			x
	Select the location you want to search. Location:			
Conn				
Serve SER				
Conn SER	[	OK		Cancel

t. Type **Domain Admins** in the object name field, or the name of any administrator user that should have sysadmin rights to the BizNet SQL instance. Click **OK**.

Select User or Group	x
Select this object type:	
User, Group, or Built-in security principal	Object Types
From this location:	
SERVER2012-LD	Locations
Enter the object name to select ( <u>examples</u> ):	_
domain admins	Check Names
Advanced OK	Cancel

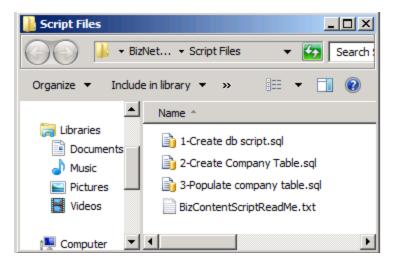
- 8 \_ 🗆 🗙 Login - New Select a page 🔄 Script 💌 🛐 Help General Server Roles User Mapping Securables Status Server role is used to grant server-wide security privileges to a user. Server roles: bulkadmin dbcreator diskadmin processadmin ✓ public securityadmin serveradmin 🖌 sysad Conn Server: SERVER2012-Id\sql2008r2 Connection: SERVER2012-LD\Vdavis View connection properties Progress Ready ОК Cancel
- u. Select the Server Roles page and check the sysadmin checkbox.

v. Once completed, return to the Content Installer to continue with the installation.

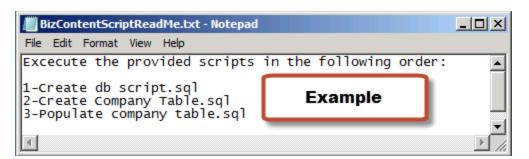
## Run Database Scripts

The **Run Script Files** button will only display if the BizContent product requires supporting tables or other objects to be added in your accounting system database or a separate BizInsight-use only SQL Server database. If there isn't a Run Scripts button, you can move to the next step. As a standard practice, BizNet Software does not make modifications to any base accounting system objects unless absolutely necessary and will only be adding additional tables, stored procedures or triggers necessary for data retrieval.

1. Click on the Run Script Files button to open the Scripts directory.



2. Open the "BizContentScriptReadMe.txt" file for installation instructions.



3. Click on Start > All Programs > Microsoft SQL Server version > SQL Server Management Studio and connect to your software package database instance. 4. Click on File > Open > File and browse to the Scripts directory and open the first .sql file listed.



5. Check for instructions within the script in case there are variables that need to be set to values specific to your environment. Make any necessary adjustments and click **Execute** on the toolbar to run the .sql.



- 6. Close the .sql file.
- 7. Repeat these steps for each .sql file in the Scripts directory.
- 8. Close SQL Server Management Studio.

## Deploy Data Set Content

This button can be used to deploy the reporting services reports to the Report Server.

Most values will be automatically completed for you in this dialog but the following items should specifically be checked and confirmed to contain correct information:

a. **IMPORTANT** If you will be installing content packs for multiple back end systems (example, , change the **Default Reporting Services Folder Path** to something generic like "" to ensure the content is deployed to the same folder. Do this for each content pack being installed. This is important because BizInsight can be pointed to only one reporting services folder so all content must be deployed to the same folder.

Default Reporting Services Server http://SERVER2008R2/ReportSe Format: "http://server/reportserver	Change to a generic folder name IF deploying content packs for different back end systems (ex: Dynamics GP and CCH)
Default Reporting Services E	bynamics of and conj

b. Skip this step if you are using Sage 100 ProvideX. Adjust the Server Name field if your accounting system database is on another server.

Overwrite Datasources	BizNetERP	
Overwrite Reports	Server Name: SERVER2008R2	
Preserve Folder Structure	Database Name:	
Use Folders for Datasources	Use Windows Authentication     Prompt For Credentials	

c. Skip this step if you are using Sage 100 ProvideX.

Adjust the **Database Name** field to point to your accounting system database. If your accounting software uses a system or control database, provide the name of that database rather than a company database name.

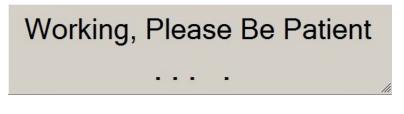
Overwrite Datasources	Data Source Name:
Overwrite Datasources	BizNetERP
	Server Name:
<ul> <li>Overwrite Reports</li> </ul>	SERVER2008R2
	Database Name:
Preserve Folder Structure	BizNetERP
Use Folders for Datasources	Use Windows Authentication
	O Prompt For Credentials

d. Skip this step if you are using Sage 100 ProvideX - data can only be retrieved using Windows authentication.

Select the desired authentication method - Windows authentication or Prompt for Credentials.

Overwrite Datasources	BizNetERP
	Server Name:
<ul> <li>Overwrite Reports</li> </ul>	SERVER2008R2
Preserve Folder Structure	Database Name:
	BizNetERP
Use Folders for Datasources	Use Windows Authentication
	C Prompt For Credentials

e. Click **Deploy Content** to continue.



The **Content Deployed Successfully** dialog will open and display the Web Service and the Report Manager URLs. Click **Close**.

Content Deployed Succes	sfully	
Your content has been depl You can view the content th	oyed successfully. nat has been deployed on your server at the following links:	
Reports Server:	http://server2008r2/reportserver/BizNetERP?%2fBizNetERPrs:Command=ListChildem	
Reports Manager:	http://server2008r2/reports/Pages/Folder.aspx?ltemPath=%2fBizNetERPViewMode=List	
	Close	li

If you encounter an error deploying the DataSet Content, contact BizNet Software Support for assistance.

### Deploy MetaData Content

This step will deploy .biz files and templates to the shared directory. During this step, the designated folder is examined for other biz files and the installer will evaluate whether merging of biz files is necessary.

When prompted, browse to the shared directory and click **OK**.

Pre Installation Question					
Deploy Local Content			 	 	
Please choose a directory locati	on for the Configuration Path:	C:\BizInsightShare		Brows	е
This directory will become a sha	red network directory after the i	nstallation process.		Override Configuration Pa	th
	Ok		Cancel	]	

If you chose to create separate folders for the admin files and config files, choose the config folder for the path.

Pre Installation	n Question						
Deploy Local		on for the Configuration Path:	C:\BizInsightShar	e\Config			Browse
		ed network directory after the	, -	-		Override	Configuration Path
	]	Ok			Cancel		

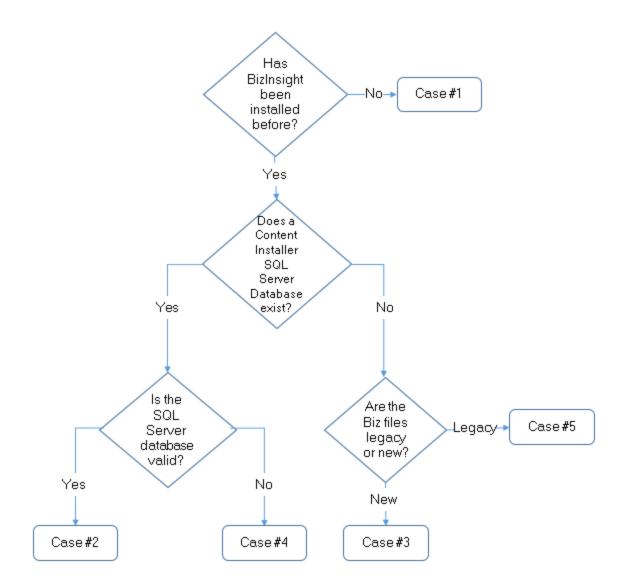
### Merging MetaData Scenarios

BizInsight stores application metadata in files with a .biz extension in the shared directory (old design) or in SQL Server databases (new and recommended design). When installing updated content or additional content, it becomes necessary to merge this metadata. The the different scenarios requiring a merge of MetaData and how the merge is handled by the Content Installer are described below.

Before proceeding, it is important to establish two key definitions:

- Legacy MetaData is defined as .biz files or SQL MetaData databases that have not been processed or cleaned by the Content Packager (the tool used internally to create a Content Installer package).
- New MetaData is defined as .biz files or SQL MetaData databases processed or cleaned by the Content Packager. New .biz files contain three new columns.

When Content Installer merges MetaData, the below results will occur depending on the scenario.



- 1. Content Installer + New SQL Server Environment
  - User installs a GL content pack.
  - No .biz files are in the configuration path folder.
  - Content Installer installs GL MetaData.

Result: New SQL Server MetaData databases are created in SQL Server containing GL MetaData.

- 2. Content Installer + Existing SQL Server MetaData Databases
  - User installs an AP content pack.
  - No .biz files are in the configuration path folder.
  - SQL Server database already contains New MetaData from a previous GL content install.
  - Content Installer merges AP metadata into the GL metadata in SQL Server database.

Result: Existing SQL Server MetaData databases contain GL and AP metadata.

- 3. Content Installer + Biz files in Config Path Folder
  - User installs an AP content pack.
  - Configuration path contains New MetaData .biz files for GL content.
  - No SQL database exists for GL MetaData.
  - Content Installer merges GL and AP MetaData into the SQL Server database.

Result: New SQL Server MetaData databases are created containing GL and AP MetaData.

- 4. Content Installer + Previous install with AccessToSQL tool
  - User installs an AP content pack.
  - Configuration path folder may or may not contain .biz files.
  - SQL Server database exists and already contains GL Legacy MetaData from a previous AccessToSQL install.
  - Content Installer removes the GL metadata from the SQL Server database.

Result: New SQL Server MetaData databases are created that contain only AP MetaData. GL content must be reinstalled using a Content Installer.

**IMPORTANT** This merge scenario will result in the removal of all legacy custom content (templates, custom functions or analysis sets). These items will need to be re-added after conversion is complete. This process is a

necessary step to ensure future custom settings are preserved and should not be required again. See "Re-Create Custom Objects" on page 212 for instructions on recreating custom content.

- 5. Content Installer + Legacy .Biz Files
  - User installs an AP content pack.
  - Configuration path contains GL Legacy MetaData .biz files.
  - No SQL Server database exists for GL MetaData.
  - Content Installer does not merge metadata.

Result: New SQL Server MetaData databases are created containing only AP MetaData. GL content must be reinstalled using a Content Installer.

**IMPORTANT** This merge scenario will result in the removal of all legacy custom content (templates, custom functions or analysis sets). These items will need to be re-added after conversion is complete. This process is a necessary step to ensure future custom settings are preserved and should not be required again. See the section titled "Recreate Custom Objects" in the *Applying Updates* document for instructions on recreating custom content.

## **Deploy Function Content**

During this step, the Content Installer deploys the .dll, .xll, and .dna files to the shared directory. The path will be automatically filled in with the path used to deploy the MetaData content. If previous files exist in the directory, the files are replaced with the new files.

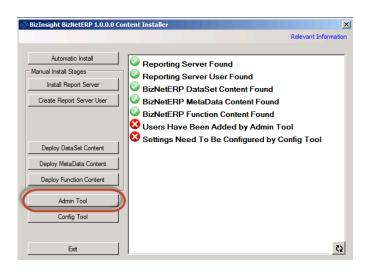
Pr	e Installation Question							
	Deploy Local Content							
	Please choose a directory location	on for the Configuration Path:	C:\BizInsig	htShare\Config			Browse	
	This directory will become a shar	red network directory after the in	istallation pr	ocess.		Override Config	uration Path	
		Ok			Cancel			

Click **OK** to install the function content.

# Administration Tool

Use the Administration tool to add new BizInsight users or modify your existing BizInsight license assignments.

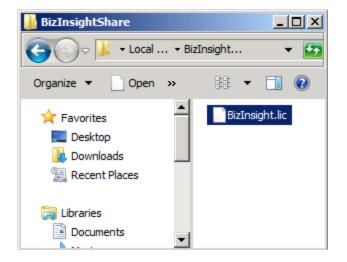
1. Click on the Admin Tool button.



2. The License Administration Tool will open. Click on the browse button.



Browse to the directory that contains the BizInsight license file.



3. Click the **Validate License** button to review the license information. The number of licenses purchased will be displayed.

License Administration Tool - SERVER2008R2\linda	<u>_     ×</u>
Administration Path	
C:\BizInsightShare\Admin\BizInsight.lic	
Network share where your license file is stored.	
Validate License	
BizNet Software Test License Expiration 01/31/2029	
Developer 1 Designer 2	
Viewer 2 DrillDown 2	
Dhildown 2	
Configure Users	
	Exit

4. Click on the **Configure Users** button to add your BizInsight users and assign them to a BizInsight user type (Developer, Designer, Viewer or Drilldown). Click **Commit Changes** when finished.

**WARNING** Do not add your own login using the Admin Tool unless you know for sure that you have another login available with sysadmin rights to the SQL Server instance. Early versions of the content installer (pre version 1.6) will remove existing permissions for users, including those with sysadmin rights. If uncertain, skip this step and confirm sysadmin access will not be lost then return to complete the Admin Tool step.

License Administration Tool	- SERVER2008R2	linda	
Administration Path	🖉 Current Users		
C:\BizInsightShare\Admin\BizInsi	User Type	Users	
Network share where your license	Designer 💌	domain\inda	
<b>F 1</b>	Designer 💌	domain\albert	
Validate License	Viewer 💌	domain\marilyn	
BizNet Software Test License	Viewer 🗾	domain\frank	
Expiration 01/31/2029	•		
Developer 1 Designer 2			,
Viewer 2 DrillDown 2			
UniiDown 2			
Configure Users			
	Add Row	Delete Row	Commit Changes

### MPORTANT

To avoid errors when the License Administration Tool sets up security, be sure to include the domain in front of the login ids. 5. You will be prompted to assign the necessary folder permissions and Reporting Services security to the users. Click **Yes**.



#### **Permission Details**

The user will be granted Content Manager permissions to the Reporting Services root level. In addition, the Admin tool will set the Share and Security permissions on the specified config and admin folder locations. The Share and Security permissions will look like the following:

Permissions for Configuration	nPath		×
Share Permissions			
Group or user names:			
Iinda (SERVER2008R2Vinda Albert Einstein (SERVER200			
Marilyn Monroe (SERVER20			
🔏 Frank Sinatra (SERVER2008			
	Add	Remove	
Permissions for linda	Allow	Deny	
Full Control			
	2 2		
Full Control Change			
Full Control Change	2 2		
Full Control Change	2 2		
Full Control Change Read	N N N		
Full Control Change	N N N		

Config Properties			×
General Sharing Security Previo	us Versions 🛛	Customize	
Object name: C:\XLConnectShar	e∖Config		
Group or user names:			
linda (SERVER2008R2\linda)		-	7
Albert Einstein (SERVER2008	R2\albert)		
🔏 Marilyn Monroe (SERVER2008			
Frank Sinatra (SER\/ER2008R	2\frank)		
			_
To change permissions, click Edit.		Edit	
	_	_	_
Permissions for Albert Einstein	Allow	Deny	_
Full control			1
Modify	$\checkmark$		
Read & execute	$\checkmark$		
List folder contents	~		
Read	~	-	-
Write	$\checkmark$		-
For special permissions or advanced	settings,	Advanced	1
click Advanced.	_	/ www.iced	
Learn about access control and per	missions		
ОК	Cancel	Apply	

When the admin files are in a separate folder, the security for that folder will be more restrictive.

🕌 Admin Properties	X
General Sharing Security Previous Versions	Customize
Object name: C:\XLConnectShare\Admin	·
Group or user names:	
👗 linda (SERVER2008R2Vinda)	▲
& Albert Einstein (SERVER2008R2\albert)	
Marilyn Monroe (SERVER2008R2\marilyn)	_
Frank Sinatra (SER\/ER2008R2\frank)	
To change permissions, click Edit.	
To change permissions, click Luit.	Edit
Permissions for Albert Einstein Allow	Deny
Full control	
Modify	
Read & execute	
List folder contents	
Read 🗸	
Write	<u> </u>
For special permissions or advanced settings, click Advanced.	Advanced
Learn about access control and permissions	
OK Cancel	Apply

# Config Tool

Use this tool to configure default values for the BizInsight users. These settings will be stored in an app.config file that can be copied to each user's workstation after BizInsight is installed. Users will still be able to adjust these options to their own preferences. When users adjust these settings, their adjustments will be stored in a user-.config file in their profile and that file will be read first before the app.config file.

#### General Tab

The values shown in the General Tab should be automatically filled in by the Content Installer with the pertinent paths for the BizInsight implementation. If user profiles are remapped to network locations (instead of their local C:\ drive), use the **Content Path Override** section to specify an alternate default **local** folder to which BizInsight Scan for Content can copy the BizContent add-in files.

Configuration Tool	<u>_                                    </u>
General User Experience Performance Security	
□ SQL Server MetaData Connection	[
SQL connection information for BizInsight databases. Database instance name not required if using def	ault.
SERVER2008R2\BIZNET	
Configuration Path	
Network share where the content files are stored	
\\SERVER2008R2\ConfigurationPath	
Administration Path	
Network share where your license file and user files are stored	
\\SERVER2008R2\AdministrationPath	
Default Reporting Services Server	
Web url of the reporting services server where the RDLs are deployed Format: http://server/reportserver	
http://server2008r2/ReportServer	
Default Reporting Services Folder Name     Full name of the folder on the reporting services server where the RDLs are deployed	
ContentName	
Content Path Override	
During Scan for Content, where do you want to copy content files for each user? (Content files: xll,dll,dna,	etc.)
Use the default folder, in this case, c:\users\ <username>\Documents</username>	
C Use the directory below to store content files	
Content Path	
<u></u>	
Verbose Logging	
C Allow All Events to be logged in the Event Log	
Ont Allow all Events to be logged in the event log, just certain important events	
Trial Enabled	
Allow new users who dont have a license to start a free trial version for 30 days.	
C All users must have a license to use the product	
Configure now Skip this for now and configure later.	Cancel

### User Experience Tab

Use this tab to manage various user experience settings for all BizInsight users. The current settings are the recommended default values but can be adjusted as desired. A brief explanation of each option is provided below.

Configuration Tool	. 🗆
General User Experience Performance Security	
Show Large Filters	
© Display expressions longer 255 characters in a cell above the Analysis Set List	
<ul> <li>Don't display expressions longer 255 characters in a cell above the Analysis Set List</li> </ul>	
Refresh Timer	_
Tell me how long it took to refresh the report and how many times the engine was called.	
C Don't tell me how long it took to refresh the report and how many times the engine was called	
Caching Window	_
C Show each data execution and it's parameters in a pop-up window	
On t show each data execution and it's parameters in a pop-up window	
r Formula Editor Popup	_
Display formula editor pop-up when dragging and dropping a formula	
C Don't display formula editor pop-up when dragging and dropping a formula	
Expression Editor	
Render Mode	
• Use software graphics rendering	
O Use hardware graphics rendering	
Start Up Page	
The Expression Editor will start in basic mode.	
C The Expression Editor will start in advanced mode.	

Option	Description
Option Show Large Filters	Description When a user drills down on a function, the parameters used for the func- tion are stored in a property of the analysis set. The field in which those values are stored is limited to 255 characters. When the total length of the string representation of the parameters exceeds 255 characters, the string will be truncated to 255 characters. Use this option to store para- meters strings that exceed 255 characters in a cell above the analysis set. You will want to do this if you intend to keep the analysis set list in the workbook and have it refresh on subsequent workbook refreshes. The user would need to change the analysis set properties to point to the cell containing the parameters. See section <b>3.8.1</b> Passing Parameters to Ana- <i>lysis Set Lists</i> of the User Guide for instructions on how to point the ana- lysis set to that cell.

Option	Description
Refresh Timer	When the BizInsight right-click option to refresh a report is used, a dialog can display at the end of the refresh with information on how long the report took to refresh and how many functions were refreshed. Use this option to turn that dialog on or off.
	The report took 1.63 seconds to run. Number of BizData iterations: 87
Caching Window	BizInsight can be configured to display a caching window for each data cache being builtThis feature is turned off by default. Processing data, please wait Generating in-memory data cache from /BizNetERP/GLBalances FiscalYear:2012 CompanyCode:BNE please wait 1
	<b>IMPORTANT</b> For Excel 2013 users, this option cannot be enabled if the Formula Editor Pop-up option is enabled.

Option	Description
Formula Editor Popup	Description         This option can be used to control whether the Function Arguments dialog automatically opens for a user when a function is dragged and dropped from the BizInsight Navigation Pane into a worksheet.         Function Arguments       ?* <ul> <li>Function Arguments</li> <li>?*</li> <li>MTDNET</li> <li>Company</li> <li>Segment1</li> <li>Segment2</li> <li>**Company Needed**</li> </ul> Month To Date Net Amount.       OK         Company       Image: Company Needed**         Menth To Date Net Amount.       OK         Company       Formula result =         Help on this function       OK         IMPORTANT       For Excel 2013 users, this option cannot be enabled if the Caching Window option is enabled.
Expression Editor Render Mode	The Expression Editor is a BizInsight feature that helps users construct complex expressions for their functions parameters. This option exists to allow customers to switch to hardware graphics rendering to address usability issues with the Expression Editor dialog that may be caused by the client workstation's video drivers.
Expression Editor Start Up Page	Use this option to control whether the Expression Editor will start with the Basic dialog or the Advanced dialog. BizNet Software recommends that this setting be left at the default, Basic mode, for all users.

### Performance Tab

Configuration Tool	
General       User Experience       Performance       Security         XML Fast	
Calculation Settings Calculates all worksheets in all open workbooks, regardless of volatility status Rechecks dependent formulas, then calculates all cells in all open workbooks, regardless of volatility Refresh Analysis Set Lists Refresh Pivot Layout	ility status
Configure now	Exit

Option	Description
XMLFast	XMLFast is a feature that was added to BizInsight to improve data retrieval performance. Data is retreived directly from the database server using TCP/IP when this option is enabled. When this option is turned off, the data retrieval is performed by Reporting Services and is generally much slower. BizNet Software recommends leaving XML Fast enabled.
Query Timeout	When large data volumes are being retrieved, use this option to increase the default timeout setting. The most common occurrence of a timeout is during a drill down to transaction detail. If your company has a large chart of accounts and significant transaction volume each month, it is advised to increase this timeout setting.
Calculation Settings	The Calculation Settings options allow you to control the scope of Excel's recalculation of a workbook. Changing these options may result in slower performance but may resolve situations when objects (functions or Excel pivot tables) are not refreshed when a BizNet Refresh is performed. BizNet Software recommends leaving this unchanged and adjusting on an individual basis when necessary.

### Security Tab

Use this tab to specify what method of authentication will be used to for data retrieval and for connection to the BizInsight MetaData databases (BizInsight and BizInsightDB SQL databases).

Configuration Tool	
General User Experience Performance Security	
SQL Authentication Prompt	
O Ask only once for data server credentials until the Excel application is restarted.	
Ask for your data server credentials every time.	
Meta Database Type Authentication	
Windows	
C SQL	
Configure now	Exit

Option	Description
SQL Authentication Prompt	If the BizInsight users will be using SQL credentials to con- nect to the accounting system database, choose the top option. When BizInsight first attempts to retrieve data for an Excel session, the user will be prompted to provide their SQL credentials and those credentials will be used for all subsequent data retrieval calls as long as that Excel session stays open. The <b>Ask for your data server credentials every time</b> option should be used when Windows authentication will be used for all data retrieval calls made to the accounting system database.

Option	Description
Meta Database Type Authentic- ation	Use this section to specify whether Windows authen- tication or SQL credentials will be used to retrieve data from the BizInsight MetaData databases. This is a com- pletely different data connection than is used for retriev- ing data from the accounting system database. If the SQL option is selected, a SQL login id and password must be provided in the Application Settings dialog after BizInsight is installed on the client workstation. WARNING SQL credentials will be stored in clear text in the resulting configuration file.

Regardless of whether you made changes, click on the **Configure Now** button to create an app.config file that can be copied to each client workstation. Otherwise click on **Exit** to close the configuration tool without creating an app.config file.

## **Relevant Information**

Click on the Relevant Information link in the upper right corner to view the important paths for your content implementation.

BizInsight Co	
	Relevant Information
Automatic Install	Reporting Server Found
Manual Install Stages	Reporting Server User Found
Install Report Server	DataSet Content Found
Create Report Server User	MetaData Content Found
	Function Content Found
Deploy DataSet Content	Users Have Been Configured by Admin Tool

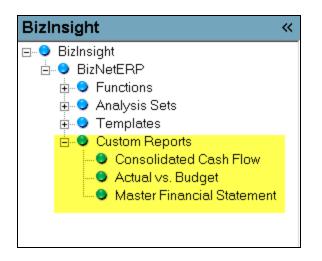
Unless you used the Config Tool to create an app.config file, you will need to provide this information during the BizInsight installation on the client workstation (s).

If you chose separate folders for the admin and config files, the Relevant Information dialog will look similar to the following:

🖉 Relevant Information		
Config Path:	\\SERVER2008R2\ConfigurationPath	1
	C:\BizInsightShare\Config	
Admin Path:	\\SERVER2008R2\AdministrationPatl	h
	C:\BizInsightShare\Admin	
Report Server Url:	http://SERVER2008R2/ReportServer	r
Report Folder	<u>BizNetERP</u>	
Sql Server MetaData Database and Instance Name:	SERVER2008R2	
Packaged with Content Packager Versi Close	on 1.4.0.0	Copy to Clipboard

### **Re-Create Custom Objects**

• Custom Navigation Pane nodes. These items are most commonly templates. For steps on how to re-add these custom nodes, refer to the section titled "*Templates*" in the User Guide. Ex:

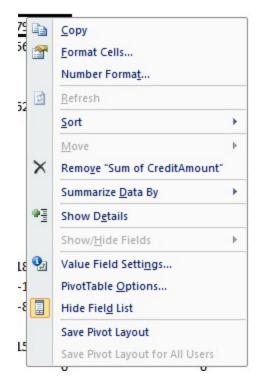


**IMPORTANT** If BizInsight 5.0.35.1 or higher is installed, the Properties menu can be used to assist in the retrieval of the following custom settings so they can be added back to the new SQL MetaData files. See "Retrieving Custom Properties" on the next page for instructions. **NOTE** Custom Navigation Pane nodes cannot be retrieved using the Properties menu.

• Any **Account Definitions**. ou should have a central workbook that contains your account definitions. Just open that workbook and refresh it to recreate your account definitions.

6	a	Ô,	Ŧ									SetA	cctD	ef.xl	sx - Es	cel				
	P,	AGE I	AYOUT FORMULAS DATA REVIEW VIEW BizBroadcast BizInsight																	
ori			*	11 -	A A	= =	= =	»»-	۲	Wrap Text			Gen	neral			Ŧ		D I	<b>D</b> red
I	Ī	<u>u</u> -	<u>.</u>	&	• <u>A</u> •	= =		€₽		Merge & C	enter	Ŧ	\$	- 9	ć ,	•0	80 <u>.</u> €	Conditional For Formatting + T		ell Ies ∓
			Font		G.			Aligni	nent			F <sub>2</sub>		N	umbe	r	Fa	Styl	es	
[		×	$\checkmark$	$f_x$																
			А	В			С					D						E		
1	1																			
2	2			Ргоре	ertyNam	e Pro	operty	Value				5	etA	cctD	ef					
3	3			All Regions		[((	[((Segment2 IN ('00', 10, 20, 30, 40) ))]				)] [(	[((Segment2 IN ('00', 10, 20, 30, 40) ))]								
2	4			Corp		))]]	[((Segment2 = '00' ))]			[	[((Segment2 = '00' ))]									
5	5			Regio	n A	[((	Segme	nt2 IN (	10, 30	)))]		[	((Se	egme	ent2	IN (1	0, 30)	))]		
e	5			East		E((	Segme	nt2 = 10	))]			[	((Se	egme	ent2	=10	))]			
7	7			Central		[((	[((Segment2 = 30 ))]				[	[((Segment2 = 30 ))]								
8	В			Region B		[((	[((Segment2 IN (20, 40) ))]			[	[((Segment2 IN (20, 40) ))]									
9	9			West		[((	Segme	nt2 = 20	))]			[	((Se	egme	ent2	= 20	))]			
1	0																			

• Custom pivot layouts. Custom pivot layouts are created using the Save Pivot Layout option on the BizInsight right-click menu when a BizInsight created pivot layout is right-clicked.



# **Retrieving Custom Properties**

BizInsight 5.0.35.1 provides a Properties menu with an analysis set that can be used to retrieve all custom settings such as Optimize Cache definitions, Account Definitions and custom Pivot Layouts. To recover custom settings, do the following:

- 1. Make sure the .biz files containing the customizations reside in the Configuration Path to which BizInsight is pointed.
- 2. Open BizInsight and click on the **Application Settings** button on the BizInsight ribbon.



3. If the Use settings fromConfiguration Path checkbox is checked, uncheck it.



4. Click on the **Configure SQL** button. If the dialog is filled in, take a screenshot of the dialog so that it can be reinstated to original values. Then uncheck the Use SQL Server for MetaData checkbox.

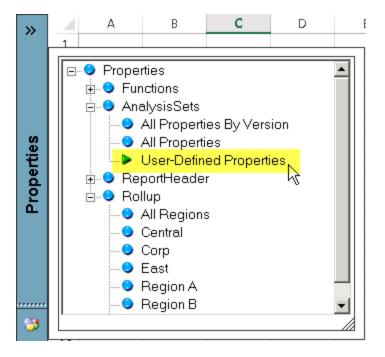
🔀 SQL Server MetaData Connection	X
Use SQL Server for MetaData	
Use SQL Authentication	
Username	
Password	
Database server and instance	
server2003\biznet	
SQL connection information for BizInsight databases Database instance name not required if using default	
OK	

- 5. On the **Application Settings** dialog, make sure the Configuration Path is pointed to the directory that contains the .biz files. The click **OK** to close. You will be prompted to restart Excel.
- 6. Re-open Excel.

7. Click on the Properties button on the Navigation Pane to display the Properties menu.



8. Expand the **AnalysisSets** node then drag and drop the **User-Defined Properties** analysis set.



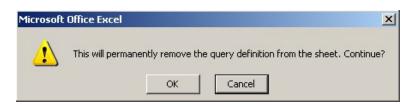
9. Right-click on the analysis set and choose Data Range Properties.

PropertyName	PropertyV	ersic	n	
OptimizeCache	ARInvoice	RInvoice		
OptimizeCache	Balances_/	፠	Cu <u>t</u>	
OptimizeCache	Balances_/	Ē	<u>С</u> ору	
OptimizeCache	BudgetInf	ĥ	Paste Options:	
OptimizeCache	Transactio		- -	
PivotLayout	Accounts/			
PivotLayout	AP1099/De		Paste <u>S</u> pecial	
PivotLayout	APCheckD		Insert	
PivotLayout	APChecks,		<u>D</u> elete	
PivotLayout	APInvoice		 Clear Contents	
PivotLayout	APInvoice	-		_
PivotLayout	APInvoice	1	<u>Q</u> uick Analysis	
PivotLayout	APVendor		Filt <u>e</u> r 🕨	
PivotLayout	ARCashRe		S <u>o</u> rt 🕨	
PivotLayout	ARCashRe	*7	Insert Co <u>m</u> ment	
PivotLayout	ARInvoice			:
PivotLayout	ARInvoice		Sh <u>o</u> w/Hide Comments	ult
PivotLayout	ARInvoice	e- 0-	<u>F</u> ormat Cells	
PivotLayout	Balance_B	Б.	<u>E</u> dit Query	
PivotLayout	Balance_Ir		Data Range Dronerties	
PivotLayout	Balances_/	_	Data Range Properties	
<b>Divot</b> avout	Palancoc	[ <sub>[?]</sub>	Para <u>m</u> eters	

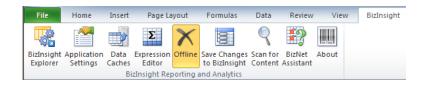
10. Uncheck the Save query definition checkbox to make the analysis set static.

External Data Range Properties
Name: BIZPROPERTYBYCUSTOM
Query definition
Save guery definition
Save password
Refresh control
🔽 Enable background refresh
🗖 Refresh every 🛛 🗧 minutes
Refresh data when opening the file
🔽 Remove external data from worksheet before closing
Data formatting and layout
✓ Include field names
Include row numbers  Preserve cell formatting
🗹 Adjust column width
If the number of rows in the data range changes upon refresh:
Insert <u>cells</u> for new data, delete unused cells
C Insert entire ro <u>w</u> s for new data, clear unused cells
$\mathbb C$ Overwrite existing cells with new data, clear unused cells
<u>Fill down formulas in columns adjacent to data</u>
OK Cancel

11. Click **OK** to the warning message that opens.



12. Click on the Offline button to take BizInsight offline.



13. From the **Functions** node of the **Properties** menu, drag and drop a **SetAcctDef** function and drop it in a column to the left of the analysis set. Add a column if one is not already there.

Α4		· ·	$\times \checkmark f_{\lambda}$	r =SetAcctDef()
»		Α	В	
	1			
	2			
	3		PropertyName	PropertyVersion
	4	#Name Ne	OptimizeCache	ARInvoiceInvDateAll
	5		OptimizeCache	Balances_All
	6		OptimizeCache	Balances_ALLYTD

14. Click on the Excel *fx* button to open the Function Arguments dialog for the SetAcctDef function and pass in cell references for each of the parameters. The column headers for the analysis set match up with the function parameter names.

-	$f_x \checkmark f_x =$ SetAcctDef(B4,C4,D4,E4)	
A	ВС	
1		
2		
3	PropertyName PropertyVersion	Prope
4 I,D4,E4)	OptimizeCache ARInvoiceInvDateAll	NetAr
5	Function Arguments	NetAr
6	SetAcctDef	NetAr
7	PropertyName B4 S = "OptimizeCache"	NetAr
8		NetAr
9	PropertyVersion C4 III = "ARInvoiceInvDateAll"	;accou
10	PropertyValue D4 🔝 = "NetAmount;MainAccountCode"	;;Sum
11	PropertyUserID E4 🗰 = "All"	Value
12	= "NetAmount;MainAccountCode"	;;Sum
13	No help available.	;;Sum
14	PropertyUserID	Value
15		Value
16		Value
17	Formula result = NetAmount:MainAccountCode	Value
18		Value
19	Help on this function OK Cancel	Value
20	PivotLayout ARInvoiceDetail WarehouseCode/Default	Value

15. Copy the SetAcctDef function down for all rows of the analysis set.

	A	В	
<b>+</b> <sup>1</sup>			
<b>F</b> 2			
3		PropertyName	PropertyVersion
4	#OFFLINE	OptimizeCache	ARInvoiceInvDateAll
5	#OFFLINE	OptimizeCache	Balances_All
6	#OFFLINE	OptimizeCache	Balances_ALLYTD
7	#OFFLINE	OptimizeCache	BudgetInfo
8	#OFFLINE	OptimizeCache	Transactions_All
0	#OEELINE	Divotloyout	Accounts/Default

- 16. Save the workbook.
- 17. Go back to the **Application Settings** and **Configure SQL** dialogs and restore the settings to the original values.
- 18. Close and reopen Excel.
- 19. Load BizInsight.
- 20. Open the workbook with the SetAcctDef formulas, right-click and choose **BizNet Refresh**. This will create the properties in the new SQL MetaData database.

	PropertyN		
#OFFLINE	Optimized	acho APInvoicolnyDatoAll	
#OFFLINE	Optim 💑	Cu <u>t</u>	
#OFFLINE	Optim 🗎	<u>C</u> opy	
#OFFLINE	Optim 💼	Paste Options:	
#OFFLINE	Optim	<b>e</b>	
#OFFLINE	PivotL		
#OFFLINE	PivotL	Paste <u>S</u> pecial	
#OFFLINE	PivotL	Insert	t
#OFFLINE	PivotL	<u>D</u> elete	
#OFFLINE	PivotL	Clear Contents	ılt
#OFFLINE	PivotL		_
#OFFLINE	Pivotl 🚝	<u>Q</u> uick Analysis	·/D
#OFFLINE	PivotL	Filt <u>e</u> r ▶	
#OFFLINE	PivotL	S <u>o</u> rt 🕨	ime
#OFFLINE	Pivotl	Insert Comment	:an
#OFFLINE	Pivotl 🖵	—	Cod
#OFFLINE	PivotL	Sh <u>o</u> w/Hide Comments	ho
#OFFLINE	Pivotl 📰	<u>F</u> ormat Cells	)efa
#OFFLINE	PivotL	Pic <u>k</u> From Drop-down List	Acc
#OFFLINE	PivotL	Define N <u>a</u> me	nts
#OFFLINE	Pivotl 👝	_	
#OFFLINE	Pivotl 🕾	Hyperl <u>i</u> nk	
#OFFLINE	PivotL	BizNet Refresh	51G
#OFFLINE	Pivotl	BizNet DrillDown	G