Installation Guide

This document applies to the following ERP system(s):				
AccountMate	Microsoft Dynamics GP	Sage 500		
Acumatica	Microsoft Dynamics SL	Sage X3v5		
Alere	QAD EE	Sage X3v6		
ССН	QAD SE	SAP B1		
Deltek Vision	Ross	Syspro		
FiresStream	Sage 300	Traverse		

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.

- 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.

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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	Download	Central Home
Product Search Order History Search Line Items Files Not Downloaded		Central Homepage! Check out "My Recent Email Notifications" to view the latest cent Files Posted" displays any files posted in the past 30 days. "My Products"
Recent Product Releases		
Recent Files Posted Recent Email Notifications	Recent Email Notification	
Administration 🌣	Mar 20, 2014 Mar 17, 2014	BizNet Software Order Notification 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
	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	Bizinsight 5.0.34.4
Support		

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)

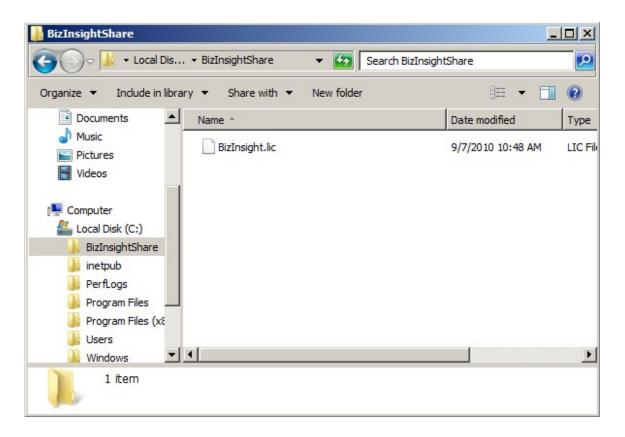
Save these files to any network location that is accessible from both the server and the client workstations. Throughout the documentation you will be instructed to access the contents of these different zip files.

Installation Activities for the Server

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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.



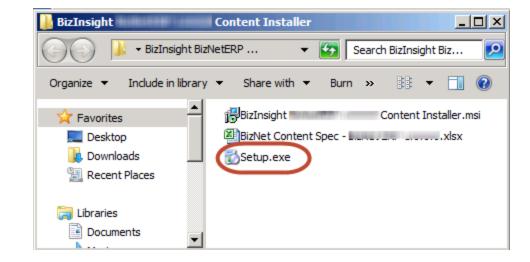
You may want to create two subdirectories, one for Admin files and the second for Configuration files for more granular security control. BizInsight users must have modify rights to the config files but will only need read rights to the admin files. Copy the BizInsight license to the Admin folder if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

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 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.



1. Browse to the extract directory and double-click on the file named setup.exe.

2. The Welcome dialog will open. Click Next.

🙀 BizInsight Content Installer	Content Pack Name	Setup	
	Welcome to the E Installer <i>Conter</i> , Wizard The Setup Wizard will ins BizInsightSunGardEAS or continue or Cancel to exi	nt Pack Name tall BizInsight Content n your computer. Click	Setup t 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	BizNet soft
Endlinen Linense Anne	
End User License Agre	ement
NOTICE TO ALL USERS: PLEASE READ 1	THIS AGREEMENT
CAREFULLY. BY CLICKING THE "I AG	REE" BUTTON AT
THE BOTTOM OF THIS PAGE OR BY I	NSTALLING AND
USING THE SOFTWARE, YOU AGREE TO	O ACCEPT ALL OF
THE TERMS AND CONDITIONS OF T	HIS AGREEMENT
	AGREEMENT IS
ENEODOEADIE AS IE IT UAD DEEN SIO	INTED DV VOLL IE
I accept the terms in the License Agreement	

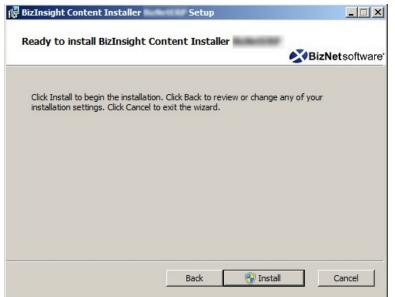
4. Click on the desired **Setup Type** button.

Choose	e the setup type that	t best suits yo	ur needs		BizNetsoftwa
					DizivetSoltwa
Γ	Typical				
	Installs the most o	common progr	am features. Re	commended for	most users.
	Custom				
	Allows users to ch they will be install				and where
	Complete				
	All program featu	res will be inst	alled. Requires t	he most disk sp	ace.

Custom setup type options that are available:

istom Setup				
Select the way yo	u want features to be insta	alled.	Bi	zNetsoft
Click the icons in t	he tree below to change th	e way <mark>f</mark> eatures v	vill be installed.	
	zInsight 1.0.0.0 esktop Shortcut rogram Menu Shortcut		ure requires 927	1MB on
Location:	C:\Program Files (x86)\Bizl			Browse
	1.0.0.01			

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. Law (T. C. Dading Database Difference) Republic Context Database on	
	Publisher: File origin:	Unknown Hard drive on this computer	
•	Show details	Yes No	
		Change when these notifications	<u>appear</u>

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 (Content Installer
	Relevant Information
Automatic Install	Reporting Server Not Found
Manual Install Stages	Reporting Server User Not Found
Install Report Server	Scripts Have Not Been Run
Create Report Server User	DataSet Content Not Found
Run Script Files	MetaData Content Not Found
	Function Content Not Found
Decks Date Cat Contract	Users Need To Be Added by Admin Tool
Deploy DataSet Content	Settings Need To Be Configured by Config Tool
Deploy MetaData Content	
Deploy Function Content	
Admin Tool	
Config Tool	
Exit	5

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 138 in the Appendices section.

 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 Cor	nfiguration Path: C:\Bi	zInsightShare			Browse
This directory will become a shared network d	lirectory after the installati	on process.			Override Configuration Path
	Ok		Ca	ancel	

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 locati	on for the Configuration Path:	C:\BizInsightShare\Co	nfig		Brow	rse
This directory will become a sha	red network directory after the in	nstallation process.			Override Configuration P	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.

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. 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.

Option	Description	
Click here to override and enter your Sql Server information	Use this button If you need to specify a different p use HTTPS for secure communications or your exi installation is not detected. When this button is clicked, a warning will display	sting to emphasize
	the requirement that the content installer must b server with a SQL database engine installed. Click message.	OK to clear the
	The SQL Server override must connect to a SQL Server on SERVER2008R2	machine
		ОК
	Report Server Override Connection Sting For SQL Server	
	Windows Authentication Example SQL Server Authentication Example Web URL For Report Server Intp://(MACHINE-NAME//Report Server_[REPORT-SERVER-INSTANCE]	Test SQL Server Connection
	Ovenide Report Server Install	Cancel
	In the Connection String for SQL Server field, ent connection string for the SQL Server instance to w Content Installer should install the SQL MetaData Use the Windows Authentication Example or the Authentication Example buttons to populate the	vhich the databases. e SQL Server
	string with sample syntax. Be sure to change the values valid for your environment.	
	In the Web URL for Report Server field, enter the URL for the Reporting Services site to which Contess 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\L	.ocal\Temp\Temp Working Area\SQLEXPRADV_x86_ENU.exe	
File size:		
		Cancel
Please wait while your download sta	arts	

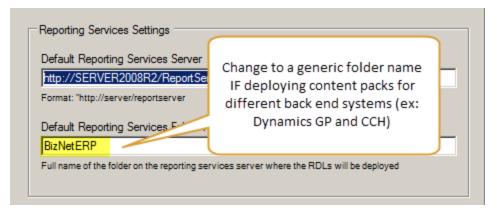
IMPORTANT IF an existing reporting services installation that you want to use is not detected by the installer or you are not able to use the Override option, contact BizNet Software Support for assistance.

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

Error		×
\otimes	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.

- 4. 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. Adjust the **Server Name** field if your accounting system database is on another server.

	Data Source Name:
Overwrite Datasources	BizNetERP
_ (Server Name:
Overwrite Reports	SERVER2008R2
Preserve Folder Structure	Database Name:
11000110101010100000	master
Use Folders for Datasources	 Use Windows Authentication
	O Prompt For Credentials
	Deploy Content Exit

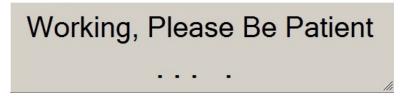
c. Adjust the **Database Name** field to point to your accounting system database. If your accounting software uses a system or control database, provide the name of that database rather than a company database name.

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

d. Select the desired authentication method – Windows authentication or Prompt for Credentials.

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

e. Click Deploy Content to continue.



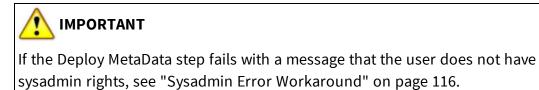
The **Content Deployed Successfully** dialog will open and display the Web Service and the Report Manager URLs. Click **Close**.



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

5. 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.

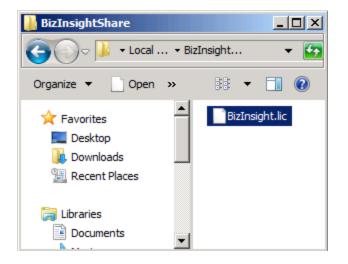
💕 BizInsight 🛛	ontent Installer	x
	Relevant Informat	ion
Automatic Install Manual Install Stages Install Report Server Create Report Server User	 Reporting Server Found Reporting Server User Found DataSet Content Found MetaData Content Found Function Content Found Users Need To Be Added by Admin Tool 	
Deploy Data Set Content Deploy MetaData Content Deploy Function Content	Settings Need To Be Configured by Config Tool	
Admin Tool Config Tool		
Exit	<u>ر</u>	2



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

License Administration Tool - SERVER2008R2\linda	_ 🗆 🗙
Administration Path	
Network share where your license file is stored.	

Browse to the directory that contains the BizInsight license file.



7. 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

 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∖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	

🚺 IMPORTANT

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

9. 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 158.

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

Configuration Tool	
General User Experience Performance Security	
SQL Server MetaData Connection SQL connection information for BizInsight databases. Database instance name not required if using default.	
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	

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.
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 Ask only once radio button to ensure that users only have to provide their credentials once for a given Excel session.

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 161.

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



If you chose to use separate folders for the Admin and Config files, the dialog will look similar to the following:



12. 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.

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	r and a second
 Microsoft Update Windows Catalog Windows Update Accessories Microsoft SQL Server 2008 	5
Microsoft SQL Server 2008 R2 Startup Microsoft SQL Server 2008 R2 Internet Explorer	Analysis Services Configuration Tools Integration Services
All Programs Adobe Reader X	 Performance Tools Import and Export Data (32-bit) SQL Server Business Intelligence Development Studio
Log Off	O SQL Server Management Studio
🐉 Start 🛛 🚱 🏉	

2. The **Connect to Server** dialog will open. Connect to the SQL Server instance that hosts your accounting system database.

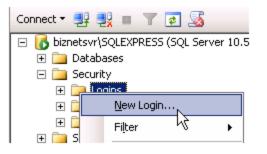
Microsoft*	× Server 2008 R2		
Server type:	Database Engine		
Server name:	server2008r2\BizNet		
Authentication:	Windows Authentication		
User name:	SERVER2008R2\linda		
Password:			
	Remember password		
Connec	t Cancel Help Options >>		

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	Mindows authentication			
🚰 Status	O SQL Server authentication			
	<u>P</u> assword:			_
	<u>C</u> onfirm password:			_
	Specify old password	,		
	<u>O</u> ld password:			_
	Enforce password polic	y		
	Enforce password expir	ation		
	🔽 User must change pass	word at next login		
	Mapped to certificate			7
	C Mapped <u>t</u> o asymmetric key			*
	Map to Credential			▼ <u>A</u> dd
Connection	Mapped Credentials	Credential	Provider	
Server: Server2003			ĺ	
Connection: SERVER2003\Administrator				
View connection properties				
Progress				Remo <u>v</u> e
Ready	Default <u>d</u> atabase:	master		•
	Default language:	<default></default>		•
			ОК	Cancel

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

PGeneral Server Roles User Mapping	Users ma	ope <u>d</u> to this login:			
Securables	Мар	Database	User	Default Schema	-
P Status		001			
		AccPac			
		amwsys			
		BizInsight			
		BizInsightDB			
		BizNetERP			
		CCH			
		Company01			
		Company11			
		CPU			

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 Server: Server2003 Connection: SERVER2003\Administrator Image: View connection properties View connection properties Progress Ready	□ db_accessadmin □ db_backupoperator ✓ db_datareader □ db_datawriter □ db_ddladmin □ db_denydatareader □ db_denydatareader □ db_owner □ db_securityadmin ✓ 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.

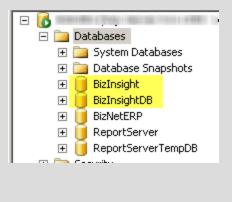
Step 5: Implement Column Based Security (Optional feature)

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 124 for more information about Column Based Security.

System Requirements

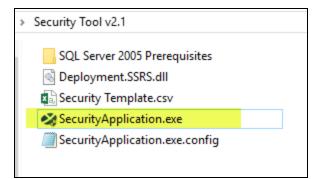
Verify that your environment meets the following system requirements for Column Security before proceeding:

- 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 Authe	entication	
Username		
Password		
To activate or	deactivate security mode, please check or uncheck	oelow.
Enable Se	curity	
Apply dom	ain restriction in Username	
Report Server	URL	
Format: "http:/	//server/reportserver"	
Security SQL		

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.

Server	server2012-ld\biznet	Connec	:t
SQL A	thentication		
Usernam	Connected		×
Password	Successfully connected to the server "se	rver2012-Id\bizne	r.
To activate			_
Enable		ОК	
Apply of	Iomain restriction in Username		

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

Table Created	Х
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** fields.

Server server	r2012-ld\biznet (Connect
SQL Authent	tication	
Username		
Password		
To activate or de	eactivate security mode, please check or uncheck b	elow.
✓ Enable Secu	irity	
Apply domain	n restriction in Username	
Report Server UF	RL	
Report Server UF Format: "http://se	RL	
		ainUser, UPPE
Format: "http://se	erver/reportserver"	ainUser, UPPE

8. To enable security restrictions by domain\username, check the Apply domain restriction in Username checkbox and enter the Report Server URL being used for BizInsight. 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.

Ser	rver server20	12-ld\biznet		Connect	
	SQL Authentica	ation			
Use	ername				
Pas	ssword				
To	activate or dead	tivate security mode, p	lease check or und	check below.	
	Enable Security	,			
		estriction in Usemame			
					_
		http://server2012-ld	/reportserver_bizne	et	
		http://server2012-ld. ver/reportserver''	/reportserver_bizne	et	
			/reportserver_bizne	et	
	mat: "http://serv	ver/reportserver"	/reportserver_bizne		
Fom	nat: "http://serv	ver/reportserver" Value	/reportserver_bizne]
Form	nat: "http://serv	Value Epic03	/reportserver_bizne	Import File	
Form	mat: "http://serv Username mmonroe	Value Epic03	/reportserver_bizne	Import File Delete Row(s)	
Fom Don	mat: "http://sen Usemame mmonroe nain Check Fai	Value Epic03	lumn does not ha	Import File Delete Row(s) X ave a domain.	
Fom Don	mat: "http://sen Usemame mmonroe nain Check Fai	Value Epic03	lumn does not ha	Import File Delete Row(s) X ave a domain.	

9. 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 Securi	ty		
Apply domain restriction in Usemame			
Report Server UR	L http://server2012-ld/reportserver_biznet		
Format: "http://se	rver/reportserver''		
Security SQL	(RTRIM(ColumnValue)) AS ColumnValue FROM ColumnSecurity		
Security SQL Secure Column			
	(RTRIM(ColumnValue)) AS ColumnValue FROM ColumnSecurity CompanyCode		
	CompanyCode		

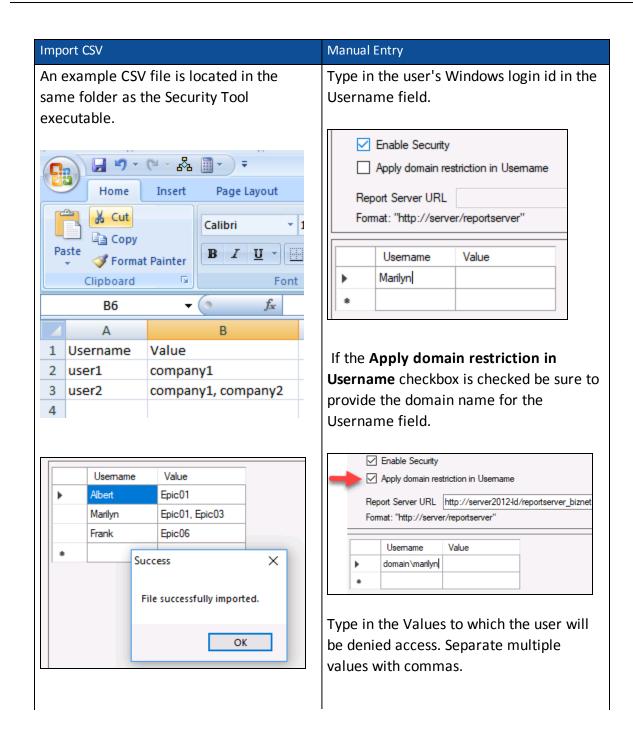
10. Click **Commit** to write the Secure Column value to the database.

Security SQL	(RTRIM(ColumnValue)) AS ColumnValue FROM	ColumnSecurity
Secure Column	CompanyCode	
Com	mmit Configure Users Ex	t
Sec	curity Settings table successfully updated.	
	ОК	

11. 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**.

ecurity Tool			—
Server server20	12-ld\biznet		Connect
SQL Authentic	ation		
Username			
Password			
To activate or dead	ctivate security mode, p	blease check or	uncheck below.
Enable Security	/		
	, estriction in Usemame		
	http://server2012.ld	/reportserver_b	iznet
Format: "http://sen	/er/reportserver		
Usemame	Value	1	Import File
•]	
			Delete Row(s)
			Commit
			Back
			Back

12. 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.



Import CSV	Manual Entry
	Enable Security Apply domain restriction in Usemame Report Server URL http://server2012/d/reportserver_biznet Format: "http://server/reportserver" Usemame Value domain \Marilyn Epic01,Epic03 i

13. 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.

Completed	×	
Security Settings table successfully updated.		
ОК		
Completed		×
Users successfully added to the ColumnSecur	ity tał	ole.
	Ok	(

	Usemame	Value	Import File
•	Albert	Epic01	
	Marilyn	Epic01	Delete Row(s)
	Marilyn	Epic03	
	Frank	Epic06	Commit
			Back
			Exit

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

	Usemame	Value	Import File
	Albert	Epic01	
	Marilyn	Epic01	Delete Row(s)
(\cdot)	Marilyn	Epic03	
	Frank	Epic06	Commit
			Back

- 15. Click **Exit** to close the tool.
- 16. 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: CheckTCP/IP, SQL Browser and Firewall Exceptions

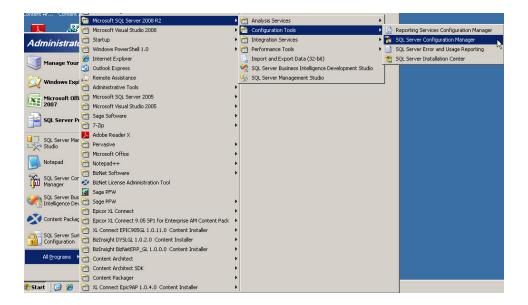
The XMLFast feature added in an earlier BizInsight build requires the following server configuration changes:

- 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 44

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 workstation in Application Settings, doing so will result in significantly slower data retrieval times.

Enable TCP/IP

 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.

Eile Action ⊻iew Help ← → È I 🚰 🕢 🔂 😫		
SQL Server Configuration Manager (Local) SQL Server Services SQL Server Network Configuration Protocols for MSSQLSERVER Protocols for SQL2005 Description SQL Native Client 10.0 Configuration	Protocol Name Shared Memory Named Pipes TCP/IP	Status Enabled Disabled Enabled Disabled

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		592540 -	×
1	Any changes made will be save effect until the service is stop	ved; however, they will not take oped and restarted.	
		ОК	

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

🛐 SQL Server Configuration Manager		_ 🗆 ×
File Action View Help		
1 SQL Server Configuration Manager (Local)	tart service	State
SQL Server 2005 Services	2 SQL Server FullText Search (SQL2005)	Stopped
SQL Server 2005 Network Configuration	SQL Server (SQL2005)	Running
E Protocols for SQL2005	SQL Server Reporting Services (SQL 2005)	Running
王 🖳 SQL Native Client Configuration	👔 SQL Server Agent (SQL2005)	Stopped
	SQL Server Browser	Running

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: Password: Confirm password:	Br <u>o</u> wse
Service status: Running Start Stop <u>P</u> ause	<u>R</u> estart
OK Cancel Apply	Help

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

E	General	
В	inary Path	"C:\Program Files\Microsoft SQL Se
E	irror Control	1
E	xit Code	0
H	lost Name	SERVER2003
N	lame	SQL Server Browser
P	Process ID	2096
S	iQL Service Type	SQL Browser
S	itart Mode	Automatic
S	itate	Automatic Disabled Manual

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

SQL Server Browser Properties	? ×
Log On Service Advanced	
Log on as:	
<u>B</u> uilt-in account:	
Local Service	
O This account:	
Account <u>N</u> ame:	Br <u>o</u> wse
Password:	
Confirm password:	
Service status: Stopped	
<u>Start</u> <u>Stop</u> <u>Pause</u>	<u>R</u> estart
OK Cancel Apply	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.

😻 Windo	ws Firewall		×
General	Exceptions	Advanced	
progran to work	ns and service	blocking incoming network connections, except for the es selected below. Adding exceptions allows some programs ght increase your security risk. es:	
Name	n		
	e and Printer S	Sharing	
	emote Desktoj PnP Framewoj	·	
	P <u>rogram</u> olay a <u>n</u> otifical	Add Port	
		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**.

Add a Port Use these settings number and protoc want to use.				
<u>N</u> ame:	TCP 1433			
Port number:	1433			
	⊙ <u>I</u> CP	⊖ <u>U</u> DP		
Change scope	J		ОК	Cancel

4. Add a second port exception for UDP 1434.

Add a Port				×
Use these settings number and protoc want to use.				
<u>N</u> ame:	UDP 1434			
Port number:	1434			
	O ICP	⊙ <u>U</u> DP		
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 Exceptions list, select the program, or click Browse to search for one that is not listed.	
Programs:	
72 7-Zip File Manager	-
🔄 Data Profile Viewer	
🌳 Database Engine Tuning Advisor	
I Database Engine Tuning Advisor	
💋 Database Update Wizard	_
Contract Deployment Wizard	
🚯 Deployment Wizard	
🖳 Execute Package Utility	
🖳 Import and Export Data (32-bit)	
🟉 Internet Explorer	
2 MagicDisc	-
Path: C:\Program Files\7-Zip\7zFM.exe Browse	- 1
Path: C:\Program Files\7-Zip\7zFM.exe Browse	իդ
Change scope OK Cancel	

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

B	lrowse			? ×
	Look jn:	🗁 Binn	💌 🕝 🤣 📂 🖽-	
	My Recent Documents	My Recent Documents Desktop My Documents My Computer 3½ Floppy (A:) Ccal Disk (C:) Program Files	This location will vary depending on where SQL Server was installed	
	Desktop My Documents	Microsoft SQL Server MSSQL10_50.MSSQLSERVER MSSQL MSS		

Look in: Binn	? X	Ţ							wse	B
My Recent Documents Desktop My Documents SQLIOSIM.COM SQLIOSIM.EXE Sqlmaint.exe Sqlstubss.exe Yraddi ere				1 🖻	00	•		🗀 Binn	Look jn:	
							EXE EXE COM XE	Resources Templates DatabaseMa DCEXEC.EXE fdhost.exe SQLAGENT.E SQLIOSIM.C SQLIOSIM.C SQLIOSIM.E sqlmaint.exe sqlservr.exe sqlservr.exe	Documents Desktop bocuments	
Places		<u>O</u> per Cance	1	_		0				

7. Close the Firewall dialog after making these additions.

Server 2008

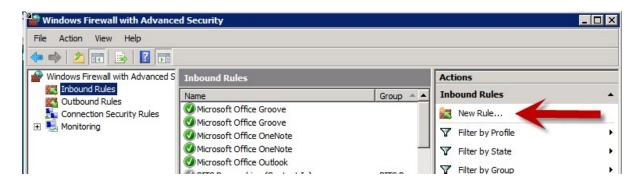
1. Click on Start > Administrative Tools > Windows Firewall with Advanced Security

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

2. Click on Inbound Rules.



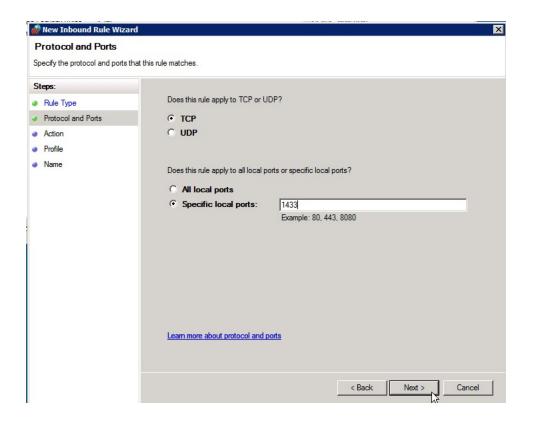
3. Click on New Rule.



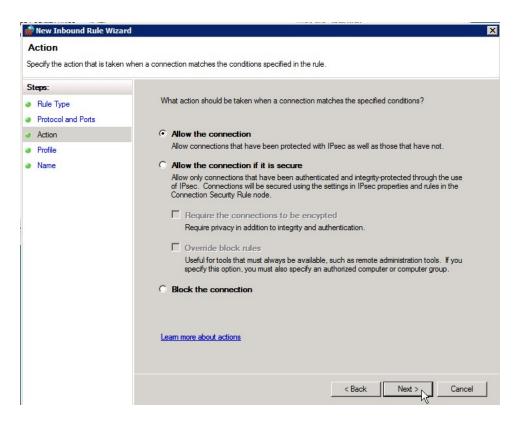
4. Choose the **Port** radio button and click **Next**.

🎆 New Inbound Rule Wizar	rd X
Rule Type Select the type of firewall rule to) create.
Steps: Rule Type Protocol and Ports Action Profile Name	What type of rule would you like to create?
	< Back Cancel

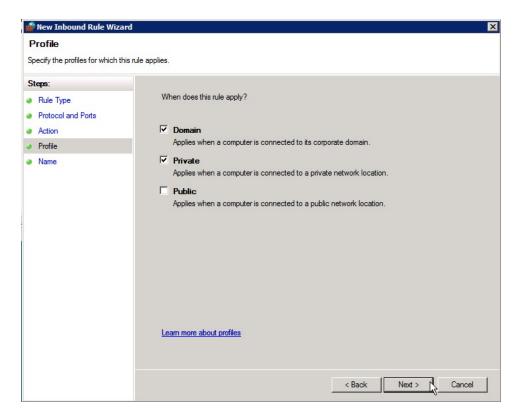
5. Leave the **TCP** option selected and type in port 1433. Click **Next**.



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

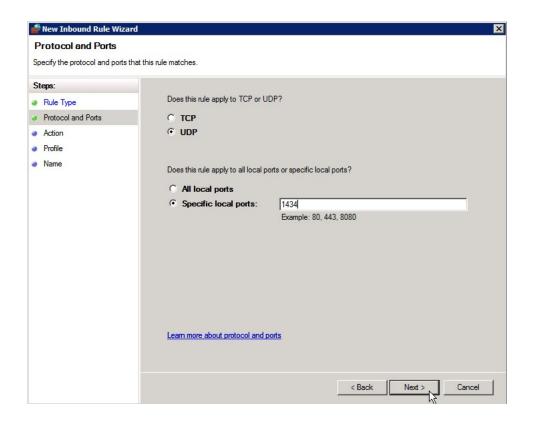


7. Uncheck the **Public** checkbox (unless users are connecting using a public network location) and click **Next**.



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.

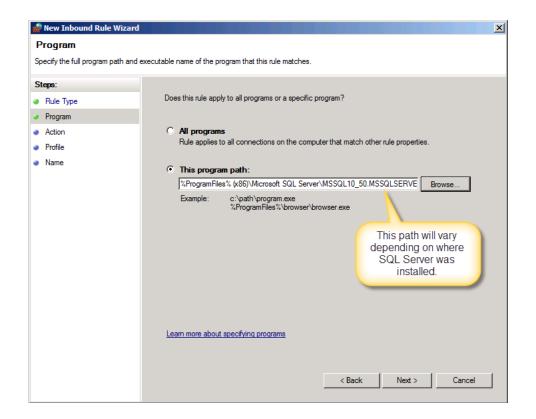


10. Add a third new inbound rule for a program exception.

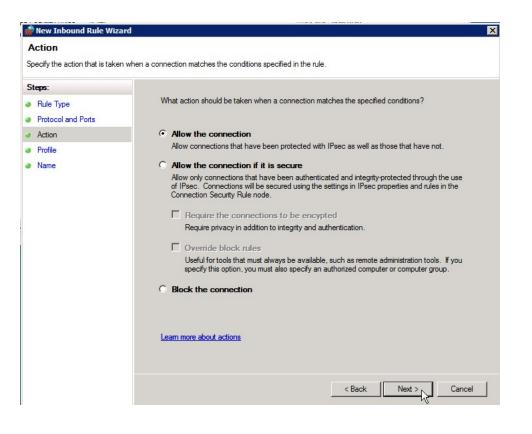
💮 New Inbound Rule Wizard	×
Rule Type Select the type of firewall rule to o	create.
Steps: Program Action Profile Name	What type of rule would you like to create?
	< Back Next > Cancel

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

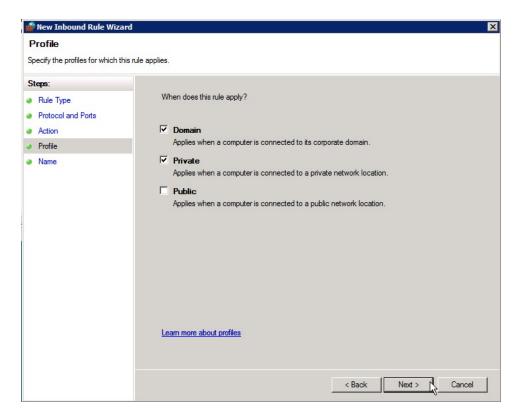
	L.1 - MSSQL - Binn -	👻 🚺 Search	<u>P</u>
🕘 Organize 👻 📗 View	ws 🔻 📑 New Folder		0
Favorite Links	Name A	Date modified Type 1/13/2012 4:05 PM File Folder	▼ Size ▼ T
Documents	Resources	1/13/2012 4:05 PM File Folder	
Recently Changed	DatabaseMail90	10/14/2005 4:31 Application	17 KB
Desktop	FTSStub	10/14/2005 4:34 Application	15 KB
Computer	msftefd	8/26/2005 5:00 PM Application	63 KB
Pictures	msftesql	8/26/2005 5:00 PM Application	91 KB
Music	SQLAGENT90	10/14/2005 4:51 Application	312 KB
19 C	sqlmaint	10/14/2005 4:51 Application	75 KB
Searches	sqlservr	10/14/2005 4:51 Application	28,095 KB
Public	sqlstubss90	10/14/2005 4:52 Application	16 KB
	xpadsi90	10/14/2005 4:53 Application	48 KB
Folders	^ /		
roiders	^		
File na	ame: sqlservr	 Programs (*. 	exe) 🔻



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 7: 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.



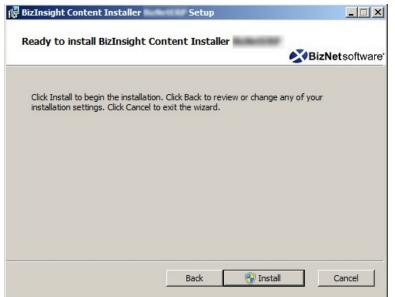
3. Click on the desired **Setup Type** button.

Typical Installs the most common program features. Recommended for most users. Custom Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users. Complete	BizInsigh	t Content Installer Setup	
Typical Installs the most common program features, Recommended for most users. Custom Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users. Complete	Choose :	Setup Type	
Installs the most common program features. Recommended for most users. Custom Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users. Complete	Choose	the setup type that best suits your needs	BizNet softwa
Installs the most common program features. Recommended for most users. Custom Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users. Complete		Typical	
Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users. Complete			s. Recommended for most users.
they will be installed. Recommended for advanced users.		Custom	
All and anone for the many will be installed. Described the second disk and as		Complete	
All program features will be installed. Requires the most disk space.		All program features will be installed. Requi	ires the most disk space.
			1 1 1
		Back	k Next Cancel

Custom setup type options that are available:

Istom Setup	u want features to be insta	alled		
Select the way yo	d want reactives to be insta	lieu.	Bi	zNetsoft
Click the icons in t	ne tree below to change th	e way features wi	ll be installed.	
Click are reoris in a	ie ace below to change a	e way readines wi	n be instanca.	
Bi	zInsight 1.0.0.0	Co		
	esktop Shortcut			
Pr	ogram Menu Shortcut			
		-		
		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			

4. Click Install.



5. 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. Caser (11) Desiting Double Balance (10) Balangin. Refer (10) Cartano London and	
	Publisher: File origin:	Unknown Hard drive on this computer	
•	Show details	Yes No	
		Change when these notifications a	<u>ippear</u>

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.

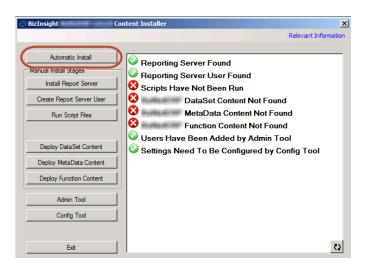
🖉 BizInsight Con	tent Installer
	Relevant Information
Automatic Install Manual Install Stages Install Report Server Create Report Server User Run Script Files Deploy DataSet Content Deploy MetaData Content Deploy Function Content Admin Tool	 Reporting Server Found Reporting Server User Found Scripts Have Not Been Run DataSet Content Not Found MetaData Content Not Found Function Content Not Found Users Have Been Added by Admin Tool Settings Need To Be Configured by Config Tool
Config Tool	
Exit	[5]

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

💕 BizInsight	Content Installer			×
			Relevant Info	ormation
Automatic Inst	🖉 Relevant Information			<u>- 0 ×</u>
Manual Install Stages	Config Path:	\\SERVER2008R2	Configuration Path	
Install Report Se		C:\BizInsightShare\	Config	
Create Report Serv	Admin Path:	\\SERVER2008R2	Administration Path	
Run Script Fil		C:\BizInsightShare\	Admin	
	Report Server Url:	http://SERVER200	8R2/ReportServer	
Deploy DataSet C	Report Folder	BizNetERP		
Deploy MetaData	Sql Server MetaData Database and Instance Name:	SERVER2008R2		
Admin Tool	Packaged with Content Packager	Version 1.4.0.0		
Config Too	Close		Copy to Clipboard	
- Exit				د ې

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.

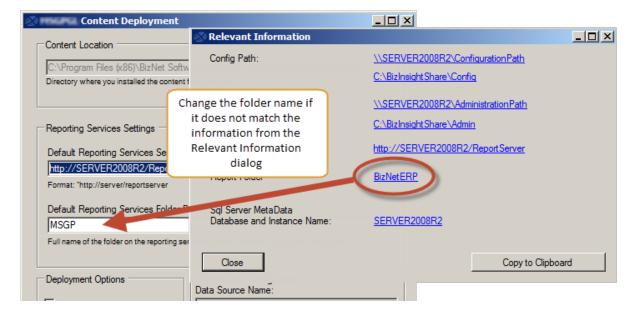


11. The content installer will deploy the MetaData and function content. The path will be automatically defaulted to the path last used. Click **OK**.

Pre Installation Question				
Deploy Local Content				
Please choose a directory locati	ion for the Configuration Path:	C:\BizInsightShare\Config		Browse
This directory will become a sha	ared network directory after the i	installation process.		Override Configuration Path
	Ok		Cancel	

- 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.

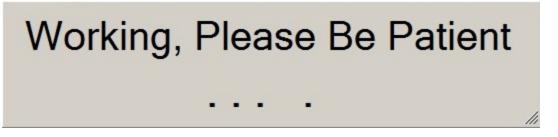


- b. Adjust the Server Name field if your accounting system database is on another server. NOTE The server name will default to the last server used. This may not be the right server for the content pack being deployed.
- c. Adjust the **Database Name** field to point to your accounting system database. 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. 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
	C 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	_03
Administration Path	
Network share where your license file is stored.	
Validate License	
-	
Configure Users	
	Exit

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

19. Click **Exit** to close the content installer.

SizInsight Con	itent Installer
	Relevant Information
Automatic Install Manual Install Stages Install Report Server Create Report Server User	 Reporting Server Found Reporting Server User Found Scripts Have Been Run DataSet Content Found MateDate Content Found
Run Script Files	MetaData Content Found
	Users Have Been Added by Admin Tool
Deploy DataSet Content	Settings Have Been Configured by Config Tool
Deploy MetaData Content	
Deploy Function Content	
Admin Tool Config Tool	
Exit	5

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)	70
Step 2: Install BizInsight	
Installing BizInsight for the Non-Administrative User	
Step 3: Configure BizInsight	
Step 4: Verify the BizInsight Installation	
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.

acle Universal Installer: Summary	
	ORACLE 1
Summary	
Dracle Data Access Components for Oracle Client 11	.2.0.3.0
 Oracle Data Access Components Documentation for Visual Studio 	2008 11.2.0.3.0
 Oracle Data Access Components Samples 11.2.0.3.0 	
-Oracle Data Access Components for Oracle Client 11.2.0.3.0	
-Oracle Data Provider for .NET 11.2.0.3.0	
-Oracle Globalization Support 11.2.0.3.0	
-Oracle Instant Client 11.2.0.3.0	
-Oracle JDBC/OCI Instant Client 11.2.0.3.0	
-Oracle ODBC Driverfor Instant Client 11.2.0.3.0	
-Oracle One-Off Patch Installer 11.2.0.1.7	
-Oracle Provider for OLE DB 11.2.0.3.0	
-Oracle Providers for ASP.NET 11.2.0.3.0	
-Oracle Services For Microsoft Transaction Server 11.2.0.3.0	1
-Oracle Universal Installer 11.2.0.3.0	
DDDMC Dequired Current Files for Instant Client 11.2.0.2.0	8
Help Installed Products Back Ne	ot Install Cance
Both Read	Control Control

The version shown in the screenshot is for illustration only. Install the ODAC version appropriate for your Oracle databse

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**.

	nneel Setup	×
For the following	g components:	
Microsoft .NI	ET Framework 4 (x86 and x64)	
Please read the see the rest of t	following license agreement. Press the page dowr he agreement.	n key to
		-
MICRO	SOFT SOFTWARE	
SUPPLE	MENTAL LICENSE TERMS	S
MICROSC	MENTAL LICENSE TERMS FT .NET FRAMEWORK 4 FOR FT WINDOWS OPFRATING	S
MICROSO	FT .NET FRAMEWORK 4 FOR	5
MICROSO MICROSO	FT .NET FRAMEWORK 4 FOR FT WINDOWS OPFRATING	•
MICROSO MICROSO	OFT .NET FRAMEWORK 4 FOR OFT WINDOWS OPERATING A for printing	▼ ment?

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.



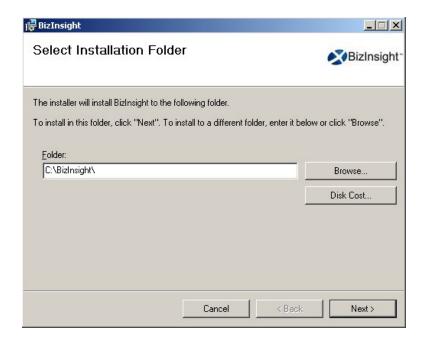
7. The Welcome dialog will open. Click **Next** to continue.



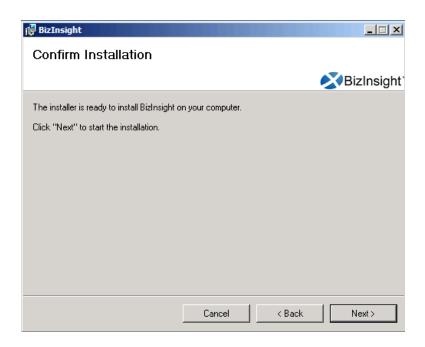
8. The **License Agreement** dialog will open. Read through the agreement and if you agree with the terms, click the **I agree** radio button and then click **Next**.

1	and the second s	
End-User License	Agreement	
Please read the fo	lowing license agreement carefully	y SizNetsoftware
En	d User License A	Agreement
CAREFULLY THE BOTTO USING THE S THE TERMS AND YOU	BY CLICKING THE " M OF THIS PAGE OR OFTWARE, YOU AGRE AND CONDITIONS OF AGREE THAT TH	
I accept the terr	ns in the License Agreement Print Bad	k Next Cancel

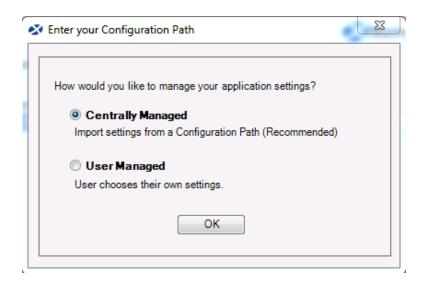
9. Accept the default installation directory or browse to a location of your choice. Click **Next**.



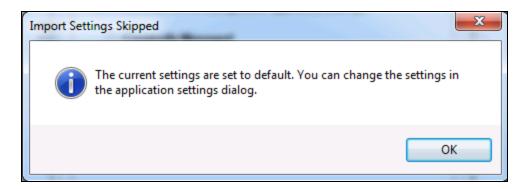
10. Click Next at the Confirm Installation dialog.



 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**.

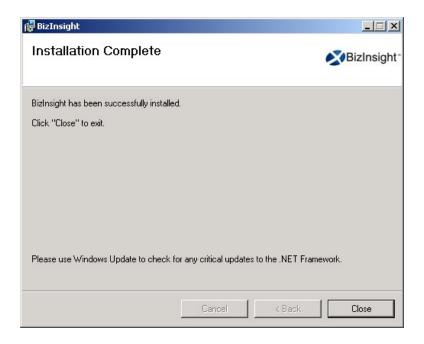


12. If the Centrally Managed option was selected, click the Browse button and browse to the Configuration Path shared directory.

Ster Your Configuration Path	×
Please provide the shared directory path to the co Configuration Path	nfiguration file.
\\ <i>servername</i> \ConfigurationPath	
Check below if you would like to remove the exist take the settings from the configuration path.	ing settings and
\checkmark Take 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.

elete values and cause components rmation in Excel2007_register_OnD	
Yes	No
	rmation in Excel2007_register_OnD

RegSvr:	32
(DllRegisterServer in\bin5\adxloader.dll succeeded.
	ОК

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.



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:

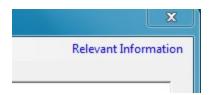
Register BizInsight for Excel 2013 OnDemand.bat - Notepad	
File Edit Format View Help	
regedit.exe C:\BizInsight\Excel2013_UNregister.reg del %userprofile%\AppData\Local\Microsoft\Office\Excel15.CUSTOMUI del %userprofile%\Local Settings\Application Data\Microsoft\Office\Excel15.CUSTO \bin5\adxregistrator.exe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

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.



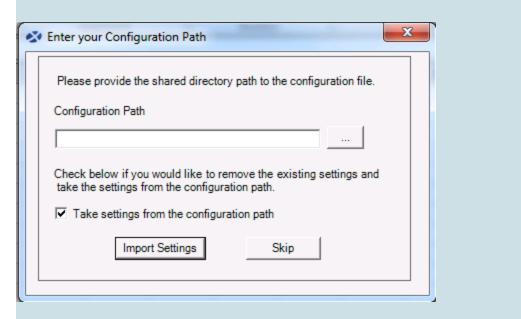
2. While logged in as the BizInsight end user, open Excel.

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)

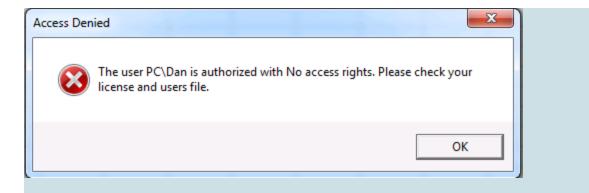
3. If you receive the following dialog, click Skip.



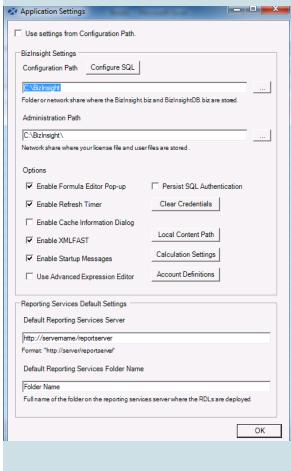
Click **OK** to the next message regarding the use of default settings.

Import Set	tings Skipped	
i	The current settings are set to default. You can change the settings in the application settings dialog.	
	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 130.



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 Persist SQL Authentication (Session Only)
Enable Formula Editor Pop-up Fersist SQL Authentication (Session Only) Enable Startup Messages
Enable Refresh Timer Clear Credentials
Enable Cache Information Dialog
Enable XMLFAST Calculation Settings
Use Advanced Expression Editor
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.
and the of the lower on the reporting services server miller the house in dephyse.
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.

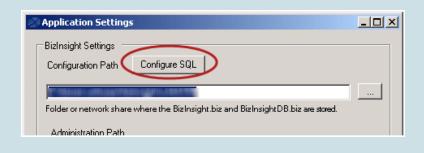
Application Settings	<u> </u>
BizInsight Settings	
Configuration Path Configure SQL	
\\servername\BizInsightShare\ConfigurationPath	
Folder or network share where the BizInsight.biz and BizInsightDB.biz are stored.	
Administration Path	
\\servername\BizInsightShare\AdministrationPath	
Network share where 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 Clear Credentials	

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.

Override	
ocal Content Path	
\\dcserver\UserProfiles\linda	
ser folder on this machine where content can be stored.	
	ОК
Re-directed profile directory	
Re-directed profile directory	
	X
	×
Re-directed profile directory stablish Local Content Path Override	×
stablish Local Content Path	×
stablish Local Content Path ✓ Override Local Content Path	×
stablish Local Content Path	
stablish Local Content Path ✓ Override Local Content Path c:\BizInsight	

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.



IMPORTANT This step is essential to complete Column Based security configuration. See " BizInsight Column Based Security Overview" on page 124 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/2003	
SQL connection information for BizInsight databases Database instance name not required if using default	
OK	

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.



Click OK and enter a valid SQL login and password with appropriate rights to the SQL MetaData databases. Click OK. SQL Server MetaData Connection
Use SQL Server for MetaData
Use SQL Authentication
Username bizuser
Password

Database server and instance
SQL connection information for BizInsight databases
Database instance name not required if using default

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

0K

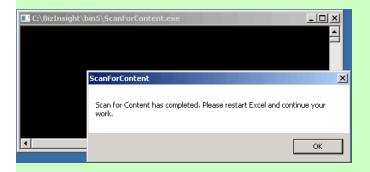
- e. Close the Application Settings dialog.
- 5. Re-start Excel.
- 6. Click on the BizInsight tab and then click on the BizInsight Explorer button to load the Navigation Pane.



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.

II E S · C · ∓ FILE HOME INSE	ERT PAGE LAY	Book1 - Excel	DATA REVIEW	? 🛧 VIEW E	— 🗖 BizInsight	×
acte	<u>A</u> •	nent Number	nditional Formatting * mat as Table * I Styles * Styles	Cells Editing	I	^
3 • : ×	$\checkmark f_x$					٣
1 2 3 3 6 7 8 9	B C	D E	F G	H	I	
10						
12						
* 13 S	iheet1 🔶		: 4		•	-

 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 38) 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 ad	Iministrator for help.

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 130.

Access Der	nied	x
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.

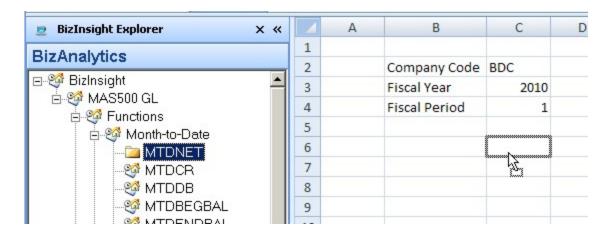
Note Your login id must be setup as a Designer user to be able to perform these steps; you may need to temporarily add your login as a Designer user using the Admin Tool to perform these steps. The Admin Tool can be accessed from the Content Installer interface on the server.

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				

 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)



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

4	A	В	С	D	E	F	G	н	1	J	К	L
1												
2		Company Code	BDC									
3		Fiscal Year	2010									
4		Period	1	Function	Argume	ents						? ×
5				MTDNET								
6			C\$3,C4)	Com	pany \$0	\$2			= "BDC"			-
7					Year \$0				= 2010			
8					eriod C4				= 1			
9					-	+		and the second s				
10				Segm				1922	=			
6 7 8 9 10 11 12 13				Segm	ent2				-			-
12									-			
13				Month To	Date Net	Amount.						
14							Period Est	tablish repor	ting period.			
15												
14 15 16 17												
17				Formula r	etult = ·	13440.24						
18					42						-	
19 20				Help on th	his functio	m				OK	Car	ncel
20												-

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

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

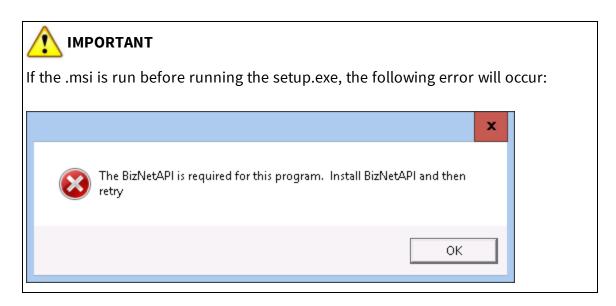
Once the installation is confirmed, save this report to a shared directory to use for verifying the installations of Viewer and Drilldown users. These users cannot add functions to reports so you will need an existing report that you can refresh to confirm there are no errors. To verify the installations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



- 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 Lic Agreemer (Subscription I	nt		^
	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	i Setup	-		x
	Completed the BizInsight Edition Setup Wizard Click the Finish button to exit the Se			
	Back	sh	Can	cel

Appendices

Manually Deploying Content Reporting Services Reports	
Manually Installing BizContent Add-ins	
OptimizeCache Adjustments	
Sysadmin Error Workaround	
BizInsight Column Based Security Overview	
Assign BizInsight Security to Users	
Content Installer Manual Install Steps	
Install Report Server	
Create Report Server User	144
Run Database Scripts	145
Deploy Data Set Content	
Deploy MetaData Content	
Deploy Function Content	
Administration Tool	
Config Tool	
Relevant Information	
Re-Create Custom Objects	
Retrieving Custom Properties	

Manually Deploying Content Reporting Services Reports

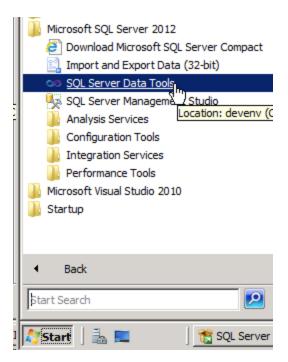
If the content installer does not detect your existing reporting services installation, it may be necessary to manually deploy the reporting services reports.

- 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.

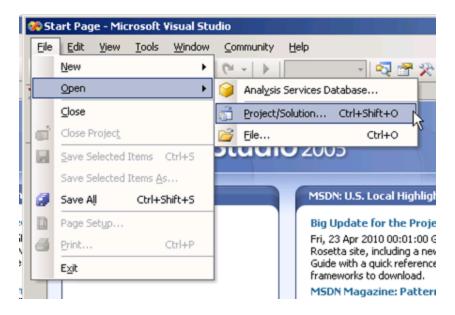


or Microsoft SQL Server 2012 > SQL Server Data Tools

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



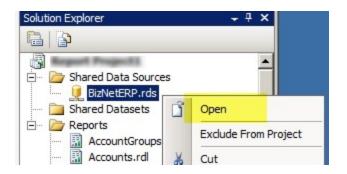
IMPORTANT If your server operating system is Windows Server 2008 or higher and User Account Control is enabled, Ctrl+Shift+Right-click on SQL Server Business Intelligence Development Studio (or SQL Server Data Tools) and choose "Run as administrator". 3. Click on File > Open > Project/Solution



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				×
	tent • Server • Reporting Services •	- 🐼	Search Reporting Services	2
Organize 🔻 New fol	der			
E Desktop Downloads C Downloads C Downloads C Documents D Documents D Documents D Documents D Documents C Documents C Documents C Documents D D D D D D D D D D D D D D D D D D D	BizNetERP			
📬 Network	•			
	File name: BizNetERP.sIn	-	All Project Files (*.sln;*.dsw Open Car	

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



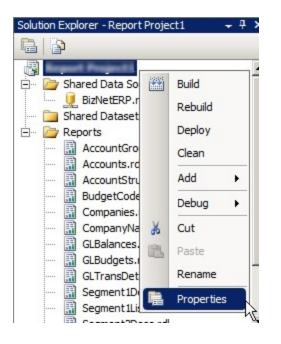
6. Click on Edit.

Shared Data Source Pro	operties	×
General Credentials	Change name, type, and connection options.	
	BizNetERP	
	Type:	
	Microsoft SQL Server	
	Connection string:	
	Data Source=localhosttinitial Catalog=BizNetERP	Edit
Help		OK Cancel

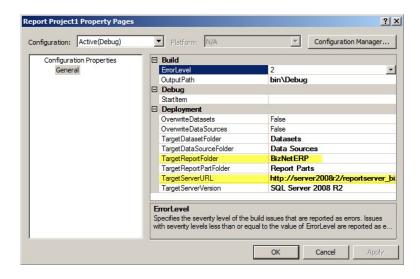
7. Enter the accounting system database server name (and instance name if applicable) in the **Server name** field. Select the accounting system database from the database drop down list. If your accounting system uses a system or control database, select that database instead of a specific company database. 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		
O Use SQL Server Authentication		
User name:		
Password:		
Save my password		
Select or enter a database name: BizNetERP Attach a database file:	•	
Attach a database file:	Browse	
Logical name:	5157755	
	Advanced	
Test Connection OK	Cancel	

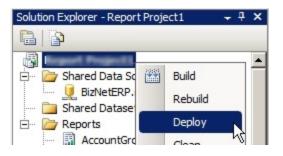
8. In the Solution Explorer, right-click on the top level and choose Properties.



 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.



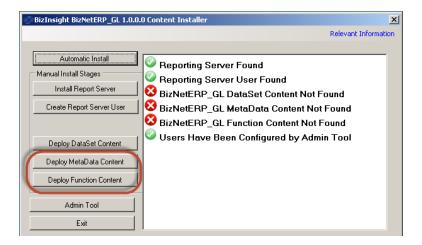
10. Right-click on the top level in the Solution Explorer and choose **Deploy**.



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



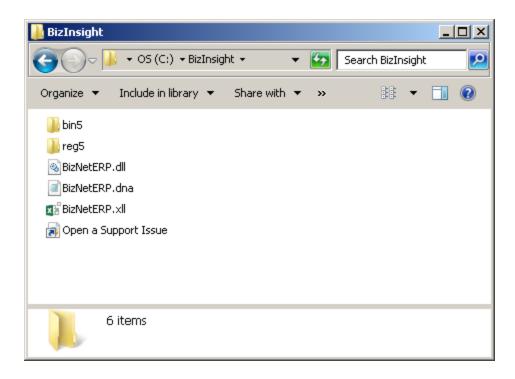
12. Run the **Deploy MetaDataContent** and **Deploy Function Content** options in the Manual Install Steps section to complete the content pack installation.



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:

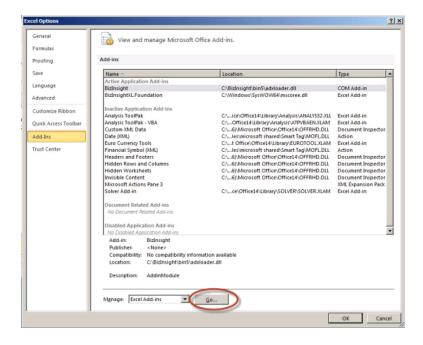
Office 2010/2013 steps Excel 2007 steps Excel 2003 steps

Excel 2010/2013

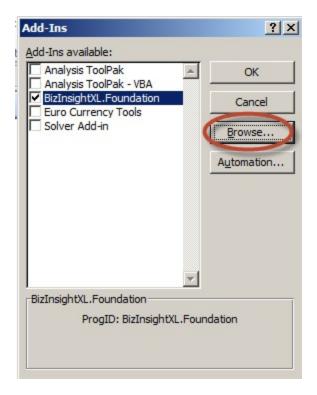
1. Click on File > Options.

X , i) = (i = =	-
File Home Insert	1
Save	
Save As	
🚰 Open	
📬 Close	
Info	
Recent	
New	
Print	
Save & Send	
Help	
Dptions 🞝	
Exit	

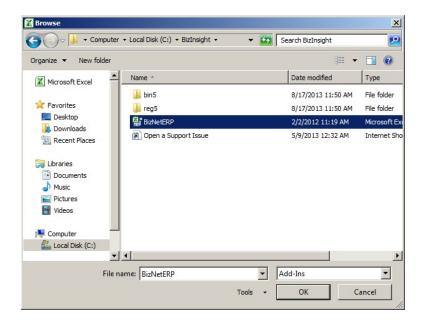
7. Click on **Add-ins** in the left pane and then click on **Go** at the bottom on the right pane.



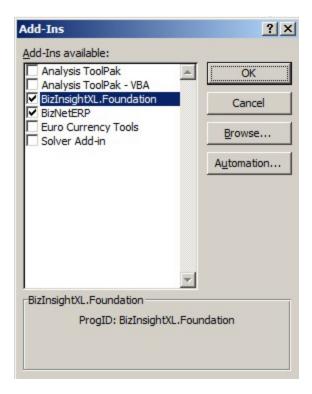
2. In the Add-ins dialog, click on the **Browse** button.



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



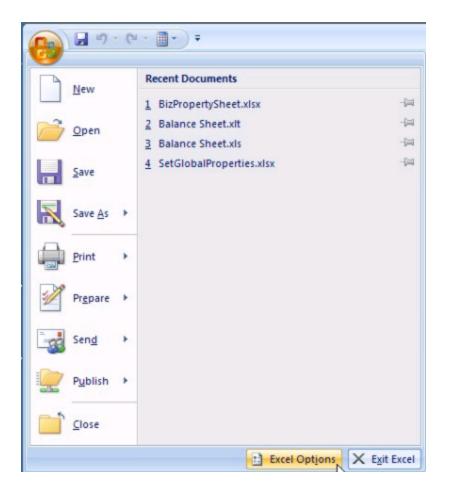
The Add-ins dialog should now look like the following:



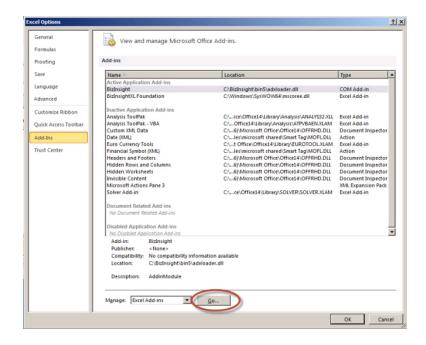
4. Click **OK**.

Excel 2007

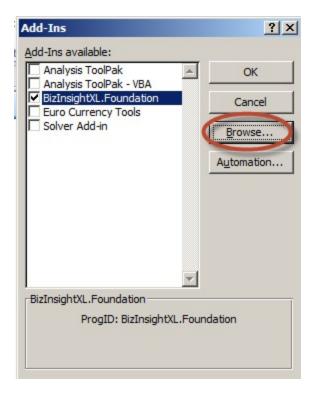
1. Click on the **Office** button and then click on the **Excel Options** button.



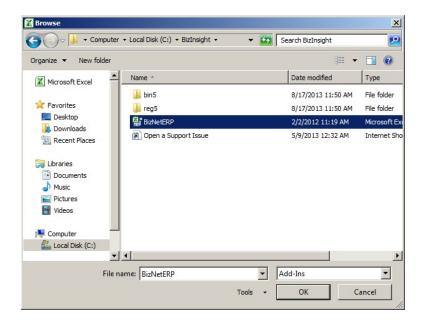
2. Click on **Add-ins** in the left pane and then click on **Go** at the bottom on the right pane.



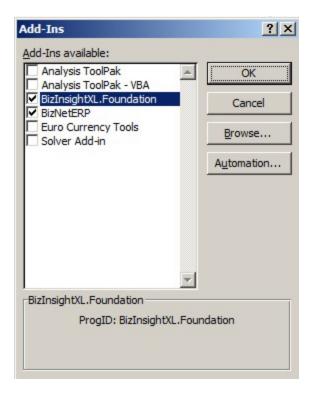
3. In the Add-ins dialog, click on the **Browse** button.



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



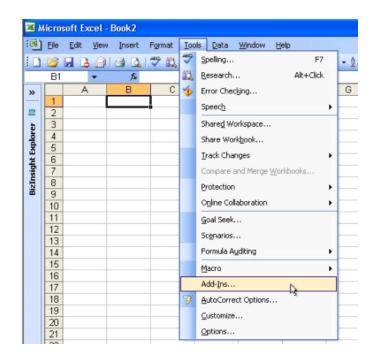
The Add-ins dialog should now look like the following:



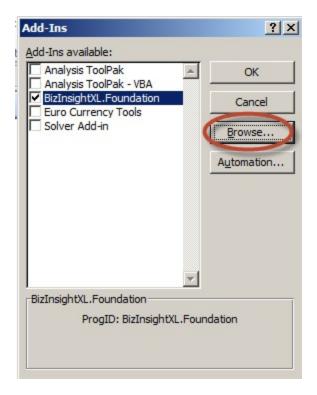
5. Click **OK**.

Excel 2003

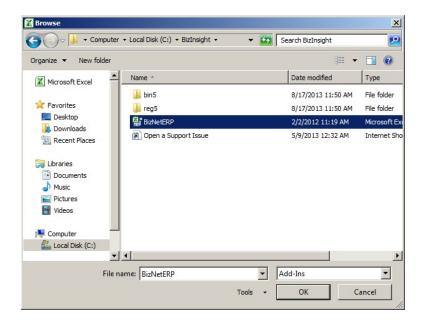
1. Click on Tools > Add-Ins



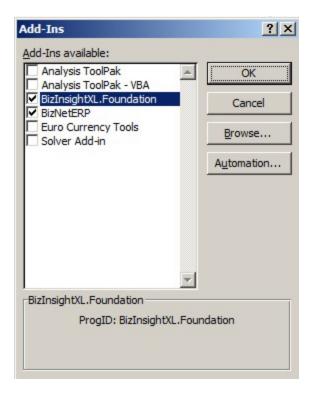
2. In the Add-ins dialog, click on the **Browse** button.



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



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

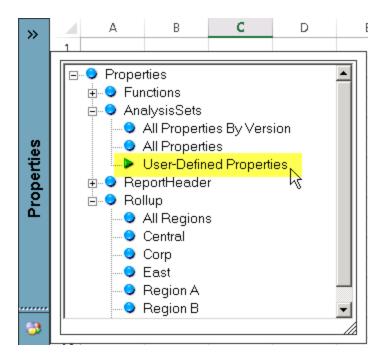


4. Click **OK**.

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.

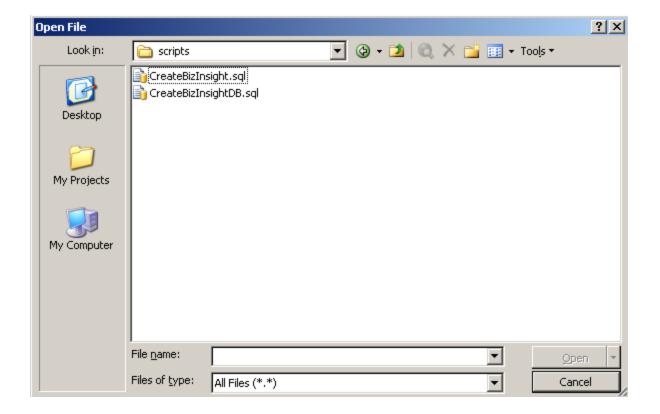


If you feel you need to tune your BizInsight implementation, please refer to the document titled "*Report Performance Guide*" for instructions on how to optimize your in-memory caches.

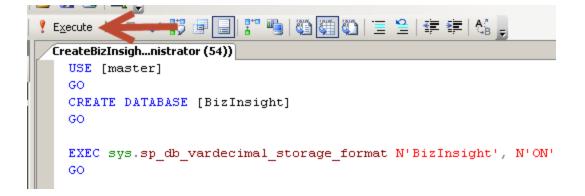
Sysadmin Error Workaround

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.

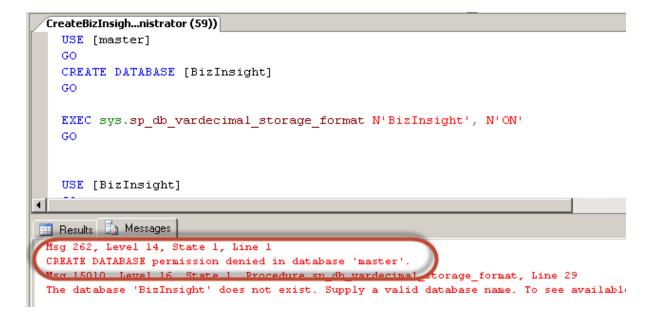
 Open SQL Server Management Studio. Click on File > Open > File and browse to the scripts subdirectory of the Access To SQL Conversion Tool folder. Select the first script and click Open.



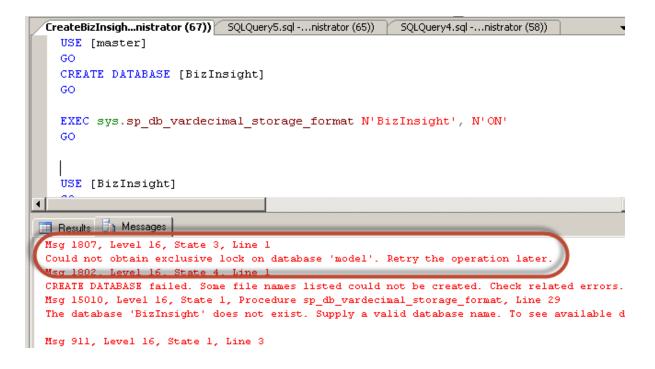
Execute the script to create the BizInsight database.



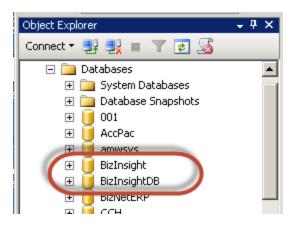
If the following error occurs, the login you are logged in with does not has sufficient rights to create the databases. Disconnect and log back in as a user with sysadmin rights.



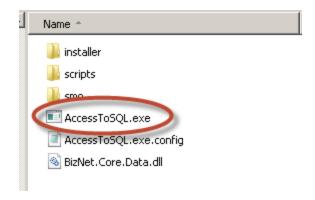
If an error occurs that an exclusive lock could not be obtained for the model database, you will need to stop and restart the SQL Server service.



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.

Access to SQL	_ 🗆 X				
Select the directory where the Biz data files are located.					
Machine name w (include instance	here 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 Shared Directory Templates				
	Brother V				
	Make New Folder OK Cancel				

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	d.	
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.

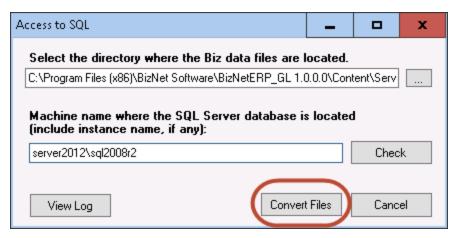
Access to SQL	-		x
Select the directory where the Biz data files are I	ocated.		
C:\Program Files (x86)\BizNet Software\BizNetERP_GL 1.0).0.0\Cont	tent\Serv	
Machine name where the SQL Server database is (include instance name, if any): server2012\sql2008r2	located	I Chec	k
View Log Convert	: Files	Canc	

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



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.

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, Drilldowns, 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.

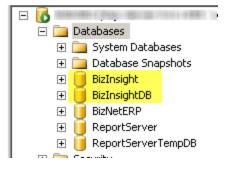
3. When Security mode is activated with double the amount of restricted values in the security table, there is about a double percentage loss in reporting performance.

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:

 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 136.

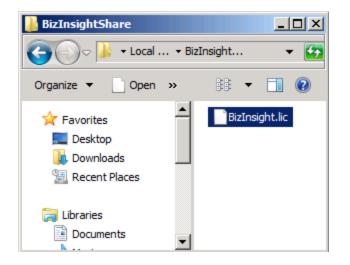
2. Click on the **Admin Tool** button.

🖉 BizInsight Co	itent Installer
	Relevant Information
Automatic Install Manual Install Stages Install Report Server	 Reporting Server Found Reporting Server User Found Scripts Have Been Run
Create Report Server User	DataSet Content Found
Run Script Files	MetaData Content Found Function Content Found
Deploy DataSet Content	 Users Have Been Added by Admin Tool Settings Have Been Configured by Config Tool
Deploy MetaData Content	
Deploy Function Content	
Admin Tool Config Tool	
Exit	(25

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

License Administration Tool - SERVER2008R2\linda	
Administration Path	-0
Network share where your license file is stored.	-

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	
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	
1	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				
User Type		Users		
Designer	•	domain∖linda		
Designer	•	domain \al bert		
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**.

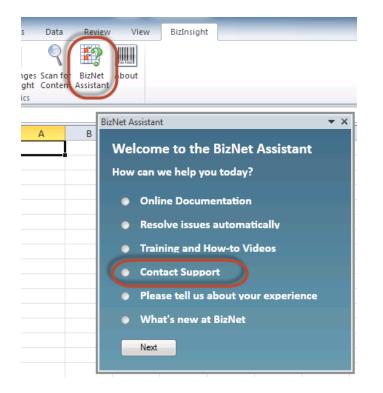


If you have entered more names for a particular user type than you have licenses, you will get an error similar to the following.



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.



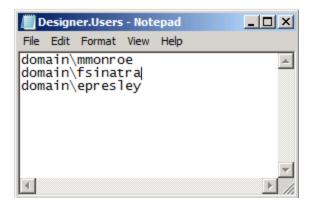
When you receive your new license, move your old license from the Administration Path shared directory and save the new license there. Do not rename the old license and leave it in the Administration Path; it must be removed from the directory in order for the new license count to take effect.

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.



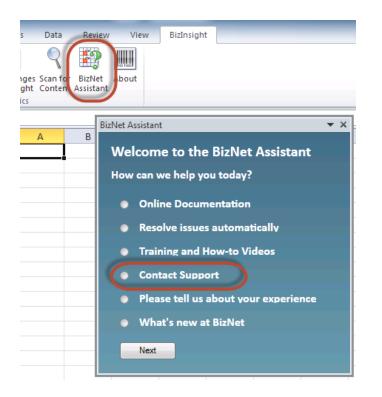
3. Save and close the file.

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.

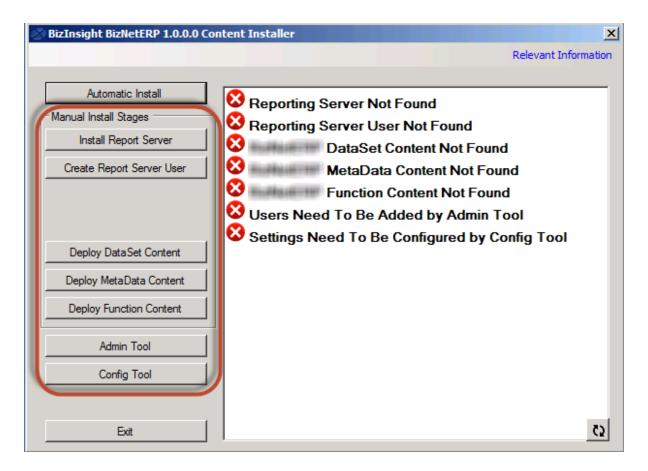
To purchase additional licenses, use the BizNet Assistant button to open a support ticket indicating that you need to purchase additional licenses.



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	
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 147.

Reporting Services Configura	ation Connection	X
SQL Server Reporting Service	2008 R2 ces	
Please specify a server name instance to configure.	, click the Find button, and select	a report server
Server Name:	SERVER2008R2	Find
Report Server Instance:	BIZNET	
0	[Connect 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

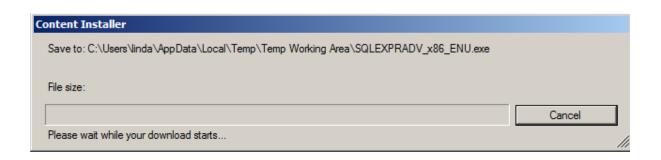
3. If the Content Installer detects existing instances of SQL Server Reporting Services installed on the local server machine, the following dialog will display giving you the option to use the existing installation or to install a side by side installation.

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.

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 Stirling For SQL Server [Server-SERVER/2008R2/instance_name.Trusted_Connection=True;	
	Windows Authentication Example SQL Server Authentication Example Test SQL Server Connection	
	Web URL For Report Server http://[MACHINE-NAME//ReportServer_[REPORT-SERVER-INSTAINCE]	
	Test Report Server Connection Override Report Server Install	
	In the Connection String for SQL Server field, enter a valid	
	connection string for the SQL Server instance to which the	
	Content Installer should install the SQL MetaData databases.	
	Use the Windows Authentication Example or the SQL Server	
	Authentication Example buttons to populate the connection string with sample syntax. Be sure to change the values to values valid for your environment.	
	In the Web URL for Report Server field, enter the web service URL 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.



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		×
8	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.

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.

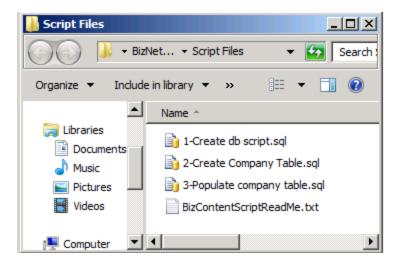
SQL Serve	r Reporting Services	
	🗙 Delete 🕕 🎥 New Role Assignm	nent
Security	☐ Group or User ↓	Role(s)
	Edit BUILTIN\Administrators	Content Manager
	Edit SERVER2008R2\adminuser	Content Manager

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

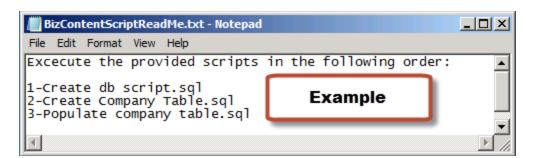
Run Database Scripts

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.



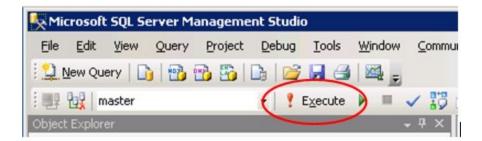
2. Open the "BizContentScriptReadMe.txt" file for installation instructions.



 Click on Start > All Programs > Microsoft SQL Server version > SQL Server Management Studio and connect to your software package database instance. 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 Default Reporting Services F	Change to a generic folder name IF deploying content packs for different back end systems (ex: Dynamics GP and CCH)	
BizNetERP		J

b. Adjust the **Server Name** field if your accounting system database is on another server.

Deployment Options	Datasource Configuration Data Source Name:
Overwrite Datasources	BizNetERP
✓ Overwrite Reports	Server Name: SERVER2008R2
Preserve Folder Structure	Database Name: master
Use Folders for Datasources	 Use Windows Authentication Prompt For Credentials
1	Deploy Content Exit

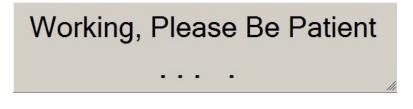
c. Adjust the **Database Name** field to point to your accounting system database. If your accounting software uses a system or control database, provide the name of that database rather than a company database name.

Overwrite Datasources	Data Source Name:
Overwrite Datasources	BizNetERP
	Server Name:
 Overwrite Reports 	SERVER2008R2
Preserve Folder Structure	Database Name:
Freserve Folder Structure	BizNetERP
Use Folders for Datasources	Use Windows Authentication
	O Prompt For Credentials
	Deploy Content Exit

d. Select the desired authentication method – Windows authentication or Prompt for Credentials.

Overwrite Datasources	BizNetERP
_	Server Name:
 Overwrite Reports 	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 Success	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	//

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			Browse
This directory will become a sha	red network directory after the i	nstallation process.		C Overrid	le 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.

Pr	e Installation Question							
	Deploy Local Content Please choose a directory locati	on for the Configuration Path:	C:\BizInsi	ghtShare\Config	 			Browse
	This directory will become a share	ed network directory after the i	nstallation p	rocess.		I	Override Confi <u>c</u>	guration Path
		Ok]	Cancel			

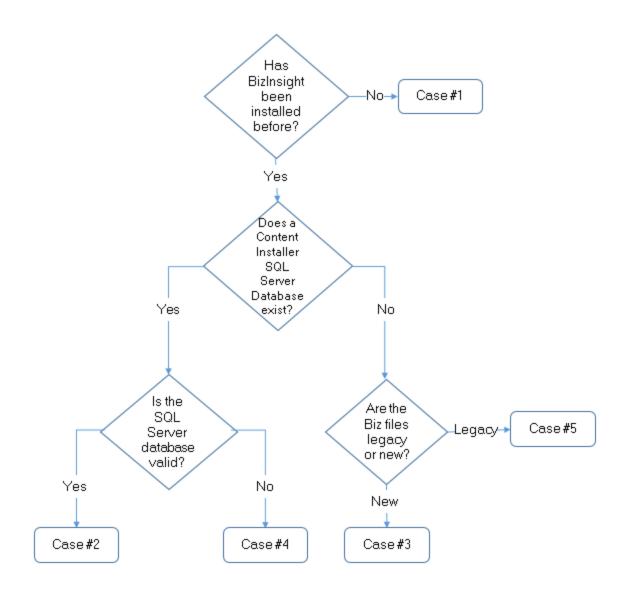
Merging MetaData Scenarios

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 170 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.

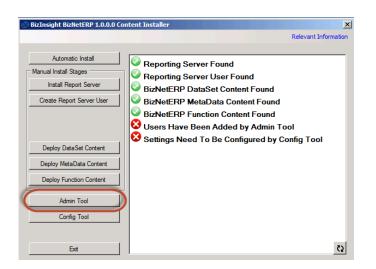
Pi	e Installation Question								
	Deploy Local Content Please choose a directory location	on for the Configuration Path:	C:\BizInsightSI	hare\Config	 			Browse	
	This directory will become a shar	ed network directory after the ir	nstallation proce	SS.		I	Override Conf	figuration Path	
		Ok			Cancel				///

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.

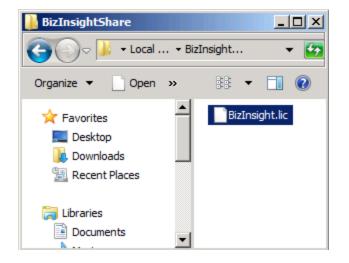
1. Click on the **Admin Tool** button.



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	
Configure Users	
	Exit

 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∖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

🔨 IMPORTANT

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		x
Share Permissions			1
Group or user names: Inda (SERVER2008R2Vinda Albert Einstein (SERVER200 Marilyn Monroe (SERVER200 Frank Sinatra (SERVER2008	8R2\albert) 08R2\marilyn)		
Permissions for linda Full Control Change Read	Add Allow V	Remove Deny	
Learn about access control and p	emissions		
ОК	Cancel	Apply	

📕 Config Properti	es				×
General Sharing	Security	Previous	Versions	Customize	
Object name: C	:\XLConne	ectShare\(Config		
Group or user nam	ies:				
👗 linda (SERVE	R2008R2	Ninda)			
👗 Albert Einstei	n (SERVE	R2008R2	albert)		
👗 Marilyn Monn	oe (SERVI	ER2008R2	(\marilyn)		
Frank Sinatra	(SERVE	R2008R2\f	rank)		_ لے
					<u> </u>
To change permis	sions, click	c Edit.		Edit	
Permissions for Alb	oert Einstei	'n	Allow	Deny	
Full control					
Modify			~		
Read & execute	e		~		
List folder conte	ents		~		
Read			~		
Write			~		•
For special permis	sions or ad	lvanced se	ettings,	Advanced	
click Advanced.					_
Learn about acces	ss control a	and permis	sions		
	0	к	Cance	I App	oly

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

📕 Admin Properties 📃 🔁
General Sharing Security Previous Versions Customize
Object name: C:\XLConnectShare\Admin
Group or user names:
👗 linda (SERVER2008R2\linda)
& Albert Einstein (SERVER2008R2\albert)
👗 Marilyn Monroe (SERVER2008R2\marilyn)
Frank Sinatra (SERVER2008R2\frank)
To change permissions, click Edit.
To change permissions, click Edit.
Permissions for Albert Einstein Allow Deny
Full control
Modify
Read & execute
List folder contents
Read 🗸 🗖
Write
For special permissions or advanced settings, Advanced
click 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	
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	
\\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_BIZNET	
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	
1	
Verbose Logging	
C Allow All Events to be logged in the Event Log	
• Don't 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 new Chiefkie for new and configure later	Cancel
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	_
Seneral User Experience Performance Security	
Show Large Filters	
O Display expressions longer 255 characters in a cell above the Analysis Set List	
Don't display expressions longer 255 characters in a cell above the Analysis Set List	
Refresh Timer	
Tell me how long it took to refresh the report and how many times the engine was called.	
O Don't tell me how long it took to refresh the report and how many times the engine was called	
Caching Window	
O 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	
French Filler Deven	
Formula Editor Popup	
O Don't display formula editor pop-up when dragging and dropping a formula	
- Expression Editor	
Render Mode	
 Use software graphics rendering 	
C 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
Show Large	When a user drills down on a function, the parameters used for the func-
Filters	tion are stored in a property of the analysis set. The field in which those
THETS	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 3.8.1 Passing Parameters to Ana-
	lysis Set Lists 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.
	Refresh X The report took 1.63 seconds to run. Number of BizData iterations: 87
	ОК
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
	IMPORTANT For Excel 2013 users, this option cannot be enabled if the Formula Editor Pop-up option is enabled.

Option	Description					
Formula Editor Popup	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.					
	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 • • Value • Use reporting services for data execution (SLOW) • • • Use reporting services for metadata only, data execution is on each local client (FASTER) • Query Timeout • The number of seconds BizInsight will attempt to query for data using XML Fast. 200 200 Seconds	
 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 statu Refresh Analysis Set Lists Refresh Pivot Layout 	US
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).

S Configuration Tool	
General User Experience Performance Security	
SQL Authentication Prompt	
C 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	
O 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 Ask for your data server credentials every time 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	ontent Installer
	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
	Users Have Been Configured by Admin Tool
Deploy DataSet Content	

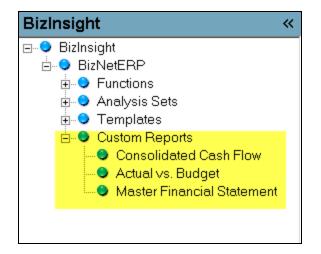
Unless you used the Config Tool to create an app.config file, you will need to provide this information during the BizInsight installation on the client workstation(s).

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	
	C:\BizInsightShare\Config	
Admin Path:	\\SERVER2008R2\AdministrationPath	
	C:\BizInsightShare\Admin	
Report Server Url:	http://SERVER2008R2/ReportServer	
Report Folder	<u>BizNetERP</u>	
Sql Server MetaData Database and Instance Name:	SERVER2008R2	
Packaged with Content Packager Versio	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.

[j.	â	Ŧ	SetAcctDefxIsx - Excel									
	PAGE	LAYOU	T FORMULA	DATA REVI	EW VIEW	BizBroa	dcast	BizIr	isight			
ori		•	11 - A A	≡≡	🛱 Wrap Text		Gen	eral	*	≠		Ote
I	<u>U</u> -		• 👌 • 🛕 •	= = = ((🗮 Merge & Ce	nter 👻	\$	• % •	€.0 .00 .00 →.0	Conditional F Formatting •		iell Ies ≖
		Font	Fa	Align	ment	G.		Numbe	r G	i St	tyles	
[\times	\checkmark	$f_{\rm x}$									
		А	В		С				D		E	
1												
2			PropertyNam	PropertyValue			SetA	cctDef				
3			All Regions	[((Segment2IN)	'00', 10, 20, 30, 4	40)))]	[((Se	gment2	IN ('00', 1	0, 20, 30, 40)))]	
4			Corp	[((Segment2 = '0	JO'))]		[((Se	gment2	='00'))]			
5			Region A	[((Segment2IN)	10,30)))]		[((Se	gment2	IN (10, 30)))]		
6			East	[((Segment2 = 1	0))]		[((Se	gment2	=10))]			
7			Central	[((Segment2 = 3	0))]		[((Se	gment2	= 30))]			
8			Region B	[((Segment2IN)	20, 40)))]		[((Se	gment2	IN (20, 40)))]		
9			West	[((Segment2 = 2	0))]		[((Se	gment2	= 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.

79	<u>С</u> ору	
56 🔗	<u>Format Cells</u>	
	Number Forma <u>t</u>	
52	<u>R</u> efresh	
	Sort	٠
	Move	×.
×	Remove "Sum of CreditAmount"	
	Summarize <u>D</u> ata By	٠
#]	Show D <u>e</u> tails	
	Show/ <u>H</u> ide Fields	÷.
18 💁	Value Field Settings	
-1	PivotTable Options	
-8 📳	Hide Fiel <u>d</u> List	
	Save Pivot Layout	
Ľ	Save Pivot Layout for All Users	
	0 0	

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.

File	Home	Insert	Page La	yout	Formulas	Data	Review	View	BizInsight
			Σ	$\boldsymbol{\times}$	000		2	00 1 000	
BizInsight Explorer		Data Caches	Expression Editor	Offline	Save Changes to BizInsight			About	
		Bi	zInsight Rep	orting	and Analytics				

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

🖉 Application Setting	gs	
🔽 Use settings from C	onfiguration Path.	
BizInsight Settings -		
Configuration Path	Configure SQL	

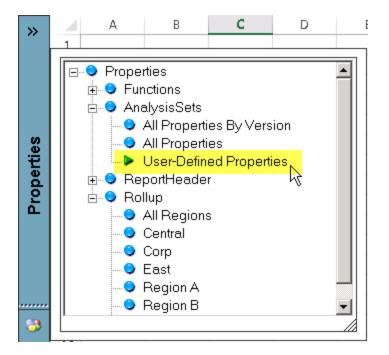
4. Click on the **Configure SQL** button. If the dialog is filled in, take a screenshot of the dialog so that it can be reinstated to original values. Then uncheck the Use SQL Server for MetaData checkbox.

SQL Server MetaData Connection	×
☑ 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.



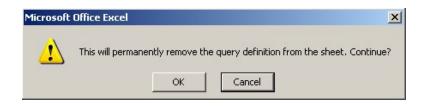
9. Right-click on the analysis set and choose **Data Range Properties**.

PropertyName	PropertyV	ersic	n	
OptimizeCache	ARInvoice			
OptimizeCache	Balances_/	፠	Cut	
OptimizeCache	Balances_/	Ē	<u>С</u> ору	
OptimizeCache	BudgetInf	Ĉ	Paste Options:	
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PivotLayout	AP1099/De		Paste <u>S</u> pecial	
PivotLayout	APCheckD		Insert	
PivotLayout	APChecks,		Delete	
PivotLayout	APInvoice		— Clear Contents	
PivotLayout	APInvoice	-		_
PivotLayout	APInvoice	2	<u>Q</u> uick Analysis	
PivotLayout	APVendor		Filt <u>e</u> r •	
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PivotLayout	ARCashRe	*	Insert Co <u>m</u> ment	
PivotLayout	ARInvoice		—	:
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PivotLayout	ARInvoice	e- 0-	<u>F</u> ormat Cells	
PivotLayout	Balance_B	Б,	<u>E</u> dit Query	
PivotLayout	Balance_Ir	*- -	Data Range Properties	
PivotLayout	Balances_/	_	Demonstern	
Divotlavout	Palancos	[_[?]	Para <u>m</u> eters	

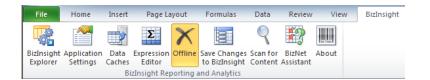
10. Uncheck the **Save query definition** checkbox to make the analysis set static.

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 cells for new data, delete unused cells
$\mathbb C$ Insert entire rows for new data, clear unused cells
\bigcirc 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		*	$\times \checkmark f$	=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.

5	•	× ✓ fx =SetAcctDef(84,C4,D4,E4)	
	A	ВС	
1			
2		PropertyName PropertyVersion	Prope
4	I, D4, E4)	OptimizeCache ARInvoiceInvDateAll	NetAn
5		Function Arguments	NetAn
б		SetAcctDef	NetAn
7		PropertyName B4 S = "OptimizeCache"	NetAn
8		PropertyVersion C4 III = "ARInvoiceInvDateAll"	NetAn
9			;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	
1			
t ₂			
З		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			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			
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#OFFLINE	Optim 💑	Cu <u>t</u>		
#OFFLINE	Optim 🖻	<u>С</u> ору		
#OFFLINE	Optim 💼	Paste Options:		
#OFFLINE	Optim	_ · ·		
#OFFLINE	Pivotl			
#OFFLINE	Pivotl	Paste <u>S</u> pecial		
#OFFLINE	PivotL	Insert		
#OFFLINE	PivotL	Delete		
#OFFLINE	PivotL	Clear Contents		
#OFFLINE	Pivotl		_	
#OFFLINE	Pivotl 🔚	🔄 🛛 Quick Analysis		
#OFFLINE	PivotL	Filt <u>e</u> r ▶		
#OFFLINE	PivotL	S <u>o</u> rt 🕨		
#OFFLINE	Pivotl 🔭	Transert Comment		
#OFFLINE	Pivotl 🖵			
#OFFLINE	PivotL	Sh <u>o</u> w/Hide Comments	hοι	
#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	61GI	
#OFFLINE	Pivotl	RizNet DrillDown	G	