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.

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 and SQL Server 2014. 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.
- 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".

BizNet software [®]				
HOME > DOWNLOAD CENTRAL	HOME			
Software & Services Home Product Search	Download Welcome to the Download	Central Home		
Order History Search Line Items Files Not Downloaded Recent Product Releases	update notifications. "My Re shows your list of products.	ent Files Posted" displays any files posted in the past 30 days. "My Products"		
Recent Files Posted Recent Email Notifications	Recent Email Notificatio	18 BizNet Software Order Notification		
Administration 🌣	Mar 17, 2014 Mar 17, 2014 Mar 17, 2014	BizNet Product Update Notification BizNet Product Update Notification		
Account Members Change Password	Mar 17, 2014 Feb 27, 2014	Password Finder Welcome to the BizNet Software Customer Portal		
Email Preferences Product Preferences Download Preferences	Recent Files Posted			
Your Profile	Mar 17, 2014 Mar 17, 2014	BizBroadcast 2.1.1 - Release Notes BizNet Broadcast 2.1.1 Documentation		
Get Help () Download Help	Mar 17, 2014 Mar 17, 2014	Bizinsight 5.0.34.4 Documentation		
Table of Contents FAQs	Mar 17, 2014 Mar 17, 2014	BizInsight 5.0.34.4 Release Notes BizInsight 5.0.34.4		
Subbou	Browse My Software an	I Documentation My Products Product Lines		
	BizNet Software, Inc.			

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>Contern</i> Wizard The Setup Wizard will inst BizInsightSunGardEAS or continue or Cancel to exi	3izInsight Conte It Pack Name	int Setup Installer Vext to
	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.

		BizNetsoftw
E	nd User License	Agreement
NOTICE TO CAREFULL THE BOTT USING THE THE TERM AND YO	ALL USERS: PLEASE R Y. BY CLICKING THE OM OF THIS PAGE OR SOFTWARE, YOU AGE S AND CONDITIONS U AGREE THAT T.	EAD THIS AGREEMENT "I AGREE" BUTTON AT BY INSTALLING AND REE TO ACCEPT ALL OF OF THIS AGREEMENT HIS AGREEMENT IS

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

Choose the setup	type that best suit	ts your needs		
i.			B	izNetsoftwa
Tupic				
Installs	the most common n	rogram features. Rec	ommended for mos	tusers
Instans.		ogram readines. Ree		
Custor	n			
Allows u	sers to choose whi	ch program features v	vill be installed and	where
they will	be installed. Reco	mmended for advance	d users.	
Comple	te			
All progr	am features will be	installed. Requires th	e most disk space.	

Custom setup type options that are available:

ustom Setup				
Select the way yo	u want features to be insta	illed.	~	BizNetsoft
Click the icons in t	ne tree below to change th	e way featur	es will be installe	d.
Bi	zīnsiaht 1.0.0.0	Co		
	esktop Shortcut			
Pr	ogram Menu Shortcut			
		This f	feature requires	927MB on
		your	naru unve.	
•		F		
Location				1
Location:	1.0.0.0\	ver sortware	piziveuzRP	Browse

5. Click Install.



6. Click Yes to any User Account Control messages.

🖁 Use	r Account Contr	ol
	Do you want to publisher to m	o allow the following program from an unknown ake changes to this computer?
	Program name:	C. Sawer T. C. Dawling Davids Balance DV Balanger.
	Publisher: File origin:	Unknown Hard drive on this computer
•	Show details	Yes No
		Change when these notifications appear

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 Con	itent Installer
	Relevant Information
Automatic Install	Seporting Server Not Found
Manual Install Stages	S Reporting Server User Not Found
Install Report Server	Scripts Have Not Been Run
Create Report Server User	S DataSet Content Not Found
Run Script Files	MetaData Content Not Found
	Example 2 Function Content Not Found
	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	<u>(5</u>

Step 3: Automatic Install

This section describes installing using the Automatic Install button. For more details or to install manually, see "Content Installer Manual Install Steps" on page 139 in the Appendices section.

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

Pr	e Installation Question						
[Deploy Local Content						
	Please choose a directory location	on for the Configuration Path:	C:\BizInsig	htShare			Browse
	This directory will become a share	red network directory after the in	nstallation pr	ocess.		Override Conf	figuration Path
L		Ok			Cancel	1	
							//

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

Pre Installation Question					
Deploy Local Content					
Please choose a directory location f	or the Configuration Path:	C:\BizInsightShare\Config			Browse
This directory will become a shared	network directory after the i	installation process.		Γ	Override Configuration Path
	Ok		Ca	ancel	

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 Admin Your installation of SQL Server Reporting correctly. Do you want to continue?	istrator account on this machine. Services could fail to function
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. It is especially recommended when your existing SQL Server is version 2005. BizNet Software Support will not assist with implementing Reporting Services 2005 .
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.
	X
	The SQL Server override must connect to a SQL Server on machine SERVER2008R2
	ОК
	Report Server Override
	Connection Sking For SQL Server Server-SERVER2008R2'unstance_name.Trusted_Connection=True:
	Windows Authentication Example SQL Server Authentication Example Test SQL Server Connection Web URL For Report Server Test SQL Server Connection Test SQL Server Connection
	prop 27 [MACHINE-NAME/ ReportServer_INEPORT-SERVER-INSTANCE] Test Report Server Connection
	Overtide Report Server Install Cancel
	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.

Content Installer	
Save to: C:\Users\linda\AppData\Local\Temp\Temp Working Area\SQLEXPRADV_x86_E	NU.exe
File size:	
	Cancel
Please wait while your download starts	

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

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



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.

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

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	BizNetERP
	Server Name:
 Overwrite Reports 	SERVER2008R2
- Deserve Falder Stausture	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.

_	Data Source Name:
Overwrite Datasources	BizNetERP
_	Server Name:
 Overwrite Reports 	SERVER2008R2
Presenve 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	Content Installer	×
	Relevant Information	on
Automatic Install Manual Install Stages Install Report Server Create Report Server User Deploy Data Set Content Deploy MetaData Content Deploy Function Content Admin Tool Config Tool	 Reporting Server Found Reporting Server User Found DataSet Content Found MetaData Content Found Function Content Found Users Need To Be Added by Admin Tool Settings Need To Be Configured by Config Tool 	
Exit		2



If the Deploy MetaData step fails with a message that the user does not have sysadmin rights, see "Sysadmin Error Workaround" on page 117.

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



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.

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	
C:\BizInsightShare\Admin\BizInsight.lic Vetwork share where your license file is stored. Validate License BizNet Software Test License Expiration 01/31/2029	
Vetwork share where your license file is stored. Validate License BizNet Software Test License Expiration 01/31/2029	
Validate License BizNet Software Test License Expiration 01/31/2029	
BizNet Software Test License Expiration 01/31/2029	
Developer 1	
Designer 2 Jiewer 2	
DrillDown 2	
Configure Users	
Exit	

8. 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



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 159.

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

🖉 Configuration Tool	긔뇌
General User Experience Performance Security	
SQL Server MetaData Connection SQL connection information for BizInsight databases. Database instance name not required if using default.	
SERVER2008R2	
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.

Tab Name	Option	Purpose
Security	SQL Authentication Prompt	If BizInsight users will be using SQL authentication to retrieve data from the accounting system database, change this option to the 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 162.

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:

🖉 Automatic Install Completed				
The installaton has completed successfully. Please record the information below to be used during the installation of BizInsight.				
Copy and Paste the following into Applic	cation Settings of BizInsight.			
Config Path:	\\SERVER2008R2\ConfigurationPath			
	C:\BizInsightShare\Config			
Admin Path:	\\SERVER2008R2\AdministrationPath			
	C:\BizInsightShare\Admin			
Report Server Url:	http://SERVER2008R2/Report Server			
Report Folder:	<u>BizNetERP</u>			
Click the Configure SQL Button Select the Use SQL Server for MetaData checkbox Copy and paste the following into Database server and instance field				
Sql Server MetaData Database and Instance Name:	SERVER2008R2			
Close	Copy to Clipboa	rd		

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	,	
	Microsoft Update Windows Catalog Windows Update Accessories Microsoft SQL Server 2008	5 •	• •
	Microsoft SQL Server 2008 R2 Startup Internet Explorer	 Analy: Config Integr 	sis Services guration Tools ration Services
All <u>P</u> rograms 🔸 🗾	Outlook Express Administrative Tools Adobe Reader X	 Perfor Impor SQL S 	mance Tools t and Export Data (32-bit) erver Business Intelligence Development Studio
	🖉 Log Off 【	D 🔀 SQL S	erver 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	ct 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 User Mapping	Login <u>n</u> ame:	YourDomain\Idavis	S <u>e</u> arch
Securables	Windows authentication		
🚰 Status	SQL Server authentication		
	Password:		
	Confirm password:		
	🗖 Specify old password		
	<u>O</u> ld password:		
	Enforce password polic	y	
	Enforce password expir	ation	
	🔽 🛛 ser must change pass	word at next login	
	Mapped to certificate		
	O Mapped <u>t</u> o asymmetric key		
	Map to Credential		∆dd
Connection	Mapped Credentials	Credential Provider	
Server: Server2003			
Connection: SERVER2003\Administrator			
View connection properties			
Progress			Remo <u>v</u> e
Ready	Default <u>d</u> atabase:	master	
-94BQ	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.

🚪 Login - New					_ 🗆 🗙
Select a page	🛒 Script 👻	· 📑 Help			
General Server Roles	Users maj	ppe <u>d</u> to this login:			
	Мар	Database	User	Default Schema	
🚰 Status		001			
		AccPac			
		amwsys			
		BizInsight			
		BizInsightDB			
		BizNetERP			
		CCH			
		Company01			
		Company11			
		CPU			-
	🗖 Guest	account enabled for NizNet	ERP		

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

	Database <u>r</u> ole membership for: master
Connection	db_accessadmin
Server: Server2003 Connection:	□ db_backupoperator ✓ db_datareader □ db_datawriter □ db_datawriter
SERVER2003\Administrator	db_denydatareader
Progress	 db_denydatawriter db_owner db_securityadmin ✓ public
C Ready	
	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 125 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 2005*, 2008, 2008 R2, 2012 or 2014

IMPORTANT Reporting Services 2005 requires additional files to be installed. IT administrators must install the prerequisite files in a particular order. Following is a link to a Microsoft article with links to the necessary download files.

http://www.microsoft.com/en-us/download/details.aspx?id=16978

a. Install Microsoft[®] System CLR Types for SQL Server[®] 2008 R2

The SQL Server System CLR Types package contains the components implementing the geometry, geography, and hierarchy id types in SQL Server

2008 R2. This component can be installed separately from the server to allow client applications to use these types outside of the server.

b. Install Microsoft® SQL Server® 2008 R2 Shared Management Objects

The SQL Server Management Objects (SMO) is a .NET Framework object model that enables software developers to create client-side applications to manage and administer SQL Server objects and services. This object model will work with SQL Server 2000, SQL Server 2005, SQL Server 2008 and SQL Server 2008 R2.

- 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.

🚞 Security Tool	
File Edit View Favorites T	» 🥂
🕒 Back 👻 🌍 👻 🤣 🔎 Searc	h »
Address 🛅 C:\Documents and :	🔁 Go
Name 🔺	
🖲 Security Template.csv	
SecurityApplication.exe	:
SecurityApplication.exe.config	
•	F

4. The Security Tool dialog will open.

🔊 Security Tool		X
Server	Connect	
SQL Auther	ntication	
Username		
Password		
To activate or d	leactivate security mode, please check or uncheck below.	
Enable Sec	urity in restriction in Username	
Security SQL		
	ommit Configure Users Exit	

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

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

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



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

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

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

Securi	ty Tool				×	
Se	w2k3r2			Connect		
	SQL Authenticat	ion				
Us	ername					
Pa	ssword					
To	activate or deacti	ivate security mode, plea	se check or unche	ck below.		
	Enable Security					
	Apply domain rea	striction in Username				
					\exists	
	Username	Value		Import File		
▶	linda	Epic03				
*				Delete Row(s)		
			[Commit		
Domain	Check Failed					<u>×</u>
One o	r more rows in the	e username column doe:	not have a domain	. Please verify the us	ername	column for each user. Eg, Domain\Username
				ОК		

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

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

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

Sec	curity SQL	SELECT UPPER(RTRIM(DomainUser)) AS DomainUser, UPPE	
Sec	ure Column	Company	
	Co Com	mmit Configure Users Exit	
	Sec	curity Settings table successfully updated.	

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

Security Tool			
Server w2k3r2	Connect		
SQL Authentication			
Username			
Password			
Enable Security Apply domain restriction in Username			
*			
	Delete Row(s)		
	Commit		
	Back		
	Exit		
13. Use the **Import File** button to import a CSV file of usernames and Values or manually type in the values to which the user should be denied access in the Values field.



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

omp	leted		×	Completed	×
Secu	urity Settings ta	able successfully upd	lated.	Users successfully adde	ed to the table.
		ОК		ОК	
	Username	Value		Import File	
•	Albert	Epic01			
	Marilyn	Epic01		Delete Row(s)	
	Marilyn	Epic03			
	Frank	Epic06		Commit	
*					
				Back	
				Exit	

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

ſ				
		Username	Value	Import File
		Albert	Epic01	
		Marilyn	Epic01	Delete Row(s)
(►	Marilyn	Epic03	k
I		Frank	Epic06	Commit
	*			

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

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

Step 6: 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 45

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

To enable TCP/IP, the steps vary depending on your SQL Server version. The steps for SQL Server 2005 are as follows. For SQL Server 2008 or higher, see "SQL Server 2008" on page 40.

SQL Server 2005

1. Click on Start > All Programs > Microsoft SQL Server 2005 > Configuration Tools > SQL Server Surface Area Configuration.



2. Click on Surface Area Configuration for Services and Connections.



3. In the left pane, click on **SQL Server Browser**. When the right pane has refreshed with the options for the SQL Server Browser, make sure that **Startup Type** is set to "Automatic" and click on **Start** if the service is not started.

🐐 Surface Area Configuration for S	ervices and C	onnections - localhost	×			
SQL Server 2005 Surface Area Configuration Help Protect Your SQL Server						
Enable only the services and connection protect your server by reducing the surfac Select a component and then configure its	types used by y e area. For defai services and cor	our applications. Disabling unused services and connections hebs ult settings, see <u>Help</u> . nnections:				
SQLEXPRESS Jotabase Engine Service Bervice	This service ret this service is re	urns named pipe and TCP port information to client applications. Enablir ecommended for Analysis Services.	ıg			
Hemote Connections						
	<u>D</u> isplay name:	SQL Server Browser				
	Des <u>c</u> ription:	Provides SQL Server connection information to client computers.	< >			
	Startup type:	Automatic	~			
	Service status:	Running				
	<u>S</u> tart	Stop Pause <u>R</u> esume				
View by Instance View by Component	-					
		OK Cancel Apply Help				

4. Under Database Engine, click on **Remote Connections**. Select the **Local and Remote Connections** radio button to enable remote users to access this SQL Server instance. Click **Apply**.

🐐 Surface Area Configuration for Services and Connections - localhost 🛛 🔀							
SQL Server 2005 Surface Area Configuration Help Protect Your SQL Server							
Enable only the services and connection types used by your applications. Disabling unused services and connections hebs protect your server by reducing the surface area. For default settings, see <u>Help</u> . Select a component and then configure its services and connections:							
 □ □ SQLEXPRESS □ □ Database Engine Service → Remote Connections □ □ SQL Server Browser 	By default, SQL Server 2005 Express, Evaluation, and Developer editions allow local client connections only. Enterprise, Standard, and Workgroup editions also listen for remote client connections over TCP/IP. Use the options below to change the protocols on which SQL Server listens for incoming client connections. TCP/IP is preferred over named pipes because it requires fewer ports to be opened across the firewall. Local connections only Local and remote connections Using ICP/IP only Using named pipes only Using both TCP/IP and named pipes 						
View by Instance View by Component							
	OK Cancel Apply Help						

5. An alert dialog will be displayed indicating that the changes will not take effect until the Database Engine service is stopped and restarted. Click **OK**.

Conne	ction Settings Change Alert	×
Ę	Changes to Connection Settings will not take effect until you restart the Database Engine service.	
	ОК	

6. In the left pane, expand **Database Engine** and click on **Service**. In the right pane, click on **Stop** and then click on **Start** when that button becomes enabled. Once the service is restarted, click **OK** to exit the Surface Area Configuration tool.

🐐 Surface Area Configuration for Se	ervices and C	onnections - localhost 🛛 🔀			
SQL Server 2005 Surface	ce Area Co ar	nfiguration			
Enable only the services and connection protect your server by reducing the surface Select a component and then configure its	types used by y e area. For defa services and cor	our applications. Disabling unused services and connections hebs ult settings, see <u>Help</u> . Inections:			
 ☐ SQLEXPRESS ☐ Database Engine → Service 	Disable this ser	vice unless your applications use it.			
Remote Connections	Service name: MSSQL\$SQLEXPRESS				
Service	<u>D</u> isplay name:	SQL Server (SQLEXPRESS)			
	Des <u>c</u> ription:	Provides storage, processing and controlled access of data and rapid transaction processing.			
	Startup type:	Automatic 💌			
	Ser <u>v</u> ice status:	Running			
	<u>S</u> tart	Stop Pause Resume			
View by Instance View by Component					
		OK Cancel Apply Help			

SQL Server 2008

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

	_onten	c Ar Content (Ē	Microsoft SOL Server 2008 P2	•		Analysis Services		
	k			Microsoft Visual Studio 2008	÷		Configuration Tools		Reporting Services Configuration Manager
Ì				Startup			Integration Services		SOL Server Configuration Manager
	Ad	ministrate		Windows PowerShell 1.0		-	Performance Tools		SQL Server Error and Lisage Reporting
				Internet Evolorer		R	Import and Export Data (32-bit)		SQL Server Installation Center
		Manage Your	2	Outlook Express		-	SOL Server Business Intelligence Development Studio	Т	C Ste Server Installation conten
	~		-	Remote Assistance		1	SOL Server Mapagement Studio		
	2	Windows Expl	2	Administrative Tools		· ×	Sign Server Hanagement Stads		J
		Manage 0.000	ä	Microsoft SOL Server 2005	į.				
	H	2007	ä	Microsoft Visual Studio 2005	÷.				
	_	4	ä	Sage Software	÷.				
		SQL Server Pi	ä	7-7in	÷.				
			5	Adobe Reader V					
		SQL Server Mar	5	Pervacive					
	X	o Studio	ä	Microsoft Office					
		Notepad	ä		í.				
	-		ä	BitNet Software	÷				
	- Th	SQL Server Con		BisNet Licence Administration Tool					
	- Um	Manager	-	Sane DEW					
	6	SQL Server Bus		Sage DEW					
	-] Intelligence Dev		Enjor XI. Connect					
	X	Content Packac		Enjcor XI. Connect 9 05 SP1 for Enterprise AM Content Park	•				
				XI Connect EPIC905GL 1 0 11 0 Content Installer					
	9	SQL Server Surl		BizIosiabt DVSI GL 1 0 2 0. Content Installer	•				
	1	. Conriguration		BizInsight BizNetERP, GL 1 0 0 0, Content Installer	÷				
	2	All Programs		Content Architect	•				
			ä	Content Architect SDK					
			ä	Content Packager					
1	🕈 Sta	nt 🔯 🔏	ă	XL Connect Epic9AP 1.0.4.0 Content Installer					
	-								

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.



 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:



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		
SQL Server Configuration Manager File Action View Help Protocols Protocols Protocols Res Protocols SQL Server Configuration Protocols Res Protocols SQL Server 2005 SQL Server 2005 SQL Server 2005	tart service zorsQL Server FullText Search (SQL2005) SQL Server (SQL2005) SQL Server Reporting Services (SQL2005) SQL Server Agent (SQL2005) SQL Server Browser	State Stopped Running Stopped Running Stopped Running
		Þ

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".

	General	
	Binary Path	"C:\Program Files\Microsoft SQL Se
1	Error Control	1
	Exit Code	0
	Host Name	SERVER2003
	Name	SQL Server Browser
1	Process ID	2096
	SQL Service Type	SQL Browser
	Start Mode	Automatic 🗸 🗸
	State	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:	
Built-in account:	
Local Service	
C This account:	
Account <u>N</u> ame:	Br <u>o</u> wse
Password:	
Service status: Stopped	
Stop Pause	<u>R</u> estart
OK Cancel <u>Apply</u>	Help

Add Windows Firewall Exceptions

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

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

1. Click on Start > Control Panel > Windows Firewall



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

😻 Windows Firewall	×
General Exceptions Advanced	
Windows Firewall is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some progra to work better but might increase your security risk.	ams
Frograms and Services:	— II
Name Rife and Diretor Sharing	
UPnP Framework	
Add Program Add Port	
Display a notification when Windows Firewall blocks a program	
OK Car	ncel

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.	to open a port through Windows Firewool, consult the documentation for the p	all. To find the port ogram or service you
<u>N</u> ame:	TCP 1433	
Lor number.		
Change scope	ОК	Cancel

4. Add a second port exception for UDP 1434.

Add a Port				×
Use these settings number and protoc want to use.	to open a port ol, consult the (through Windo documentation	ws Firewall. To for the progra	o find the port m or service you
<u>N</u> ame:	UDP 1434			
Port number:	1434			
	C ICP	⊙ <u>U</u> DP		
Change scope	J		OK	Cancel

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

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. Drograms: Profile Manager Profile Manager Profile Viewer D Database Engine Tuning Advisor D Database Engine Tuning Advisor D Database Update Wizard D Deployment Wizard D Deployment Wizard D Internet Explorer M MagicDisc	Add a Program	×
Programs: Patabase Engine Tuning Advisor Database Engine Tuning Advisor Database Engine Tuning Advisor Database Update Wizard Deployment Wizard Deployment Wizard Execute Package Utility Import and Export Data (32-bit) Internet Explorer MagicDisc Path: C:\Program Files\7-Zip\72FM.exe	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.	
Path C:\Program Files\7-Zip\72FM.exe	Programs:	
 Data Profile Viewer Database Engine Tuning Advisor Database Engine Tuning Advisor Database Update Wizard Deployment Wizard Deployment Wizard Execute Package Utility Import and Export Data (32-bit) Internet Explorer MagicDisc 	📅 7-Zip File Manager 📃 🔺	
 Database Engine Tuning Advisor Database Engine Tuning Advisor Database Update Wizard Deployment Wizard Deployment Wizard Execute Package Utility Import and Export Data (32-bit) Internet Explorer MagicDisc 	😰 Data Profile Viewer	
 Database Engine Tuning Advisor Database Update Wizard Deployment Wizard Deployment Wizard Execute Package Utility Import and Export Data (32-bit) Internet Explorer MagicDisc 	🕸 Database Engine Tuning Advisor	
 Database Update Wizard Deployment Wizard Deployment Wizard Execute Package Utility Import and Export Data (32-bit) Internet Explorer MagicDisc 	🕸 Database Engine Tuning Advisor	
Deployment Wizard Deployment Wizard Deployment Wizard Execute Package Utility Import and Export Data (32-bit) Internet Explorer MagicDisc Path: C:\Program Files\7-Zip\72FM.exe Browse	🝘 Database Update Wizard	
Peloyment Wizard Execute Package Utility Import and Export Data (32-bit) Internet Explorer MagicDisc Path: C:\Program Files\7-Zip\72FM.exe	Co Deployment Wizard	
Execute Package Utility Import and Export Data (32-bit) Internet Explorer MagicDisc Path: C:\Program Files\7-Zip\7zFM.exe	Co Deployment Wizard	
Import and Export Data (32-bit) Internet Explorer MagicDisc Path: C:\Program Files\7-Zip\7zFM.exe Browse	🖳 Execute Package Utility	
Internet Explorer MagicDisc Path: C:\Program Files\7-Zip\7zFM.exe	🖳 Import and Export Data (32-bit)	
Path: C:\Program Files\7-Zip\72FM.exe Browse	C Internet Explorer	
Path: C:\Program Files\7-Zip\7zFM.exe Browse	MagicDisc 🗨	
	Pathy C:\Program Files\7-Zip\72FM exe	
		4
Change scope OK Cancel	Change scope OK Cancel	1

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



B	owse					<u>? x</u>
	Look jn:	🗀 Binn		•	3 🕫 😕 🖽	•
	My Recent Documents Desktop My Documents My Computer	DIITmp32 Resources DatabaseMail.e: DCEXEC.EXE fdhost.exe fdlauncher.exe SQLAGENT.EXE SQLIOSIM.COM SQLIOSIM.EXE sqlmaint.exe sqlservr.exe sqlstubss.exe xpadsi.exe	xe			
	My Network Places	File <u>n</u> ame: Files of <u>t</u> ype:	sqlservr.exe Applications (*.exe;*.com;*.i	cd)	•	<u>O</u> pen Cancel

7. Close the Firewall dialog after making these additions.

Server 2008

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

Microsoft Office Excel 2007	Control Panel	System Configuration Task Scheduler
Ease of Access Center	Administrative Tools 🔹 🕨	 Windows Firewall with Advanced Security Windows Server Backup Con
	Help and Support	
	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**.

Steps: What type of rule would you like to create? Protocol and Ports Profile Action Profile Name Program Rule that controls connections for a program. Rule that controls connections for a TCP or UDP port. Predefined: BITS Peercaching Rule that controls connections for a Windows experience. Custom Custom rule. Learn more about rule types	Rule Type Select the type of firewall rule t	o create.
	Steps: Rule Type Protocol and Ports Action Profile Name	What type of rule would you like to create?

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	X
Rule Type Select the type of firewall rule to cr	reate.
Steps: Rule Type Program Action Profile Name	What type of rule would you like to create? Program Rule that controls connections for a program. Pot Rule that controls connections for a TCP or UDP port. Predefined: BITS Peercaching Rule that controls connections for a Windows experience. Custom Custom rule. Learn more about rule types
	< 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**.

艜 Open			×
- MSSQL.1	MSSQL ▼ Binn ▼	👻 🚺 Search	
🔄 Organize 👻 📗 Views	▼ 📑 New Folder		0
Favorite Links Documents Recently Changed Desktop Computer Pictures Music Searches Public	Name A FTERef Resources DatabaseMail90 FTSStub msftefd SQLAGENT90 Sqlmaint Sqlservr sqlstubss90 xpadsi90	Date modified Type 1/13/2012 4:05 PM File Folder 1/13/2012 4:05 PM File Folder 10/14/2005 4:31 Applicatio 8/26/2005 5:00 PM Applicatio 8/26/2005 5:00 PM Applicatio 10/14/2005 4:51 Applicatio 10/14/2005 4:53 Applicatio	• Size • Tag n 17 KB n 15 KB n 63 KB n 91 KB n 312 KB n 75 KB n 28,095 KB n 16 KB n 48 KB
Folders 🔦	•		I
File name	sqlservr	Progra	ams (*.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.

🔂 BizInsight Content Installer	Content Pack Name	Setup	
	Welcome to the B Installer <i>Conter</i> Wizard	3izInsight Cont I <i>t Pack Name</i>	ent Setup
	The Setup Wizard will ins BizInsightSunGardEAS or continue or Cancel to ex	tall BizInsight Content 1 your computer. Click it the Setup Wizard.	: Installer Next to
	Back	Next	Cancel

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

Please read the follow	ing license agreement carefully	BizNet softw
		-
End	User License Agre	ement
NOTICE TO AL CAREFULLY. E THE BOTTOM USING THE SO THE TERMS A AND YOU	L USERS: PLEASE READ 7 BY CLICKING THE "I AG OF THIS PAGE OR BY I FTWARE, YOU AGREE TO ND CONDITIONS OF T AGREE THAT THIS	THIS AGREEMENT REE" BUTTON AT INSTALLING AND O ACCEPT ALL OF HIS AGREEMENT AGREEMENT IS

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

BizInsight Content Installer Setup	
Choose Setup Type	
Choose the setup type that best suits your needs	BizNet softwa
Typical	
Installs the most common program features. Recom	mended for most users.
Custom	
Allows users to choose which program features will they will be installed. Recommended for advanced u	be installed and where users.
Complete	
All program features will be installed. Requires the r	most disk space.
Back	Next Cancel

Custom setup type options that are available:

ustom Setup				
Select the way yo	u want features to be inst	alled.	В	izNetsoftv
Click the icons in t	he tree below to change th zInsight 1.0.0.0	e way features v	will be installed.	
	esktop Shortcut rogram Menu Shortcut			
		This feat your har	ture requires 92 d drive.	7MB on
•		•		
Location:	C:\Program Files (x86)\Biz 1.0.0.0\	Net Software\Biz	NetERP	Browse

4. Click Install.



5. Click Yes to any User Account Control messages.

🌍 Usei	r Account Contr	ol 🛛			
	Do you want to allow the following program from an unknown publisher to make changes to this computer?				
	Program name:	C. Sawer W. H. Dawling, Davids Baller, DV Ballinght, Refer DV Carrier Lincole, etc.			
	Publisher:	Unknown			
	File origin:	Hard drive on this computer			
-	Show details	Yes No			
		Change when these notifications appear			

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.



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 Information
Automatic Inst	Relevant Information	<u>X</u>
Manual Install Stages	Config Path:	\\SERVER2008R2\ConfigurationPath
Install Report S		C:\BizInsightShare\Config
Create Report Serv	Admin Path:	\\SERVER2008R2\AdministrationPath
Run Script Fil		C:\BizInsightShare\Admin
	Report Server Url:	http://SERVER2008R2/ReportServer
Deploy DataSet C	Report Folder	BizNetERP
Deploy MetaData	Sql Server MetaData Database and Instance Name:	SERVER2008R2
Admin Tool	Packaged with Content Package	r Version 1.4.0.0
Config Too	Close	Copy to Clipboard
Exit		(5

Note If the Relevant Information dialog does not contain any information and BizInsight is already installed, go to a workstation where BizInsight is installed. Open Excel on the

workstation, click on the **Application Settings** button on the BizInsight ribbon and copy the values provided for the **Configuration Path**, the **Administration Path**, the **Default Reporting Services Server** and the **Default Reporting Services Folder Name** fields.

10. Click Automatic Install.



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

Pre Installation Question			
Deploy Local Content			
Please choose a directory location for the Con	figuration Path: C:\BizInsightShare\Config	Browse	
This directory will become a shared network directory after the installation process.			
	Ok Can	icel	

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

Content Deployme	nt	
Content Location	S Relevant Information	
	Config Path:	\\SERVER2008R2\ConfigurationPath
C:\Program Files (x86)\BizNet \$	Softw	C:\ Pixlesiaht Share\ Carfia
Directory where you installed the cor	ntent f	C. Voizinsightonale vooning
	Change the folder name if	\\SERVER2008R2\AdministrationPath
Reporting Services Settings —	it does not match the information from the	<u>C:\BizInsightShare\Admin</u>
Default Reporting Services Se	Relevant Information	http://SERVER2008R2/Report Server
http://SERVER2008R2/Repo		BizNetERP
Format: "http://server/reportserver	Hopert Folder	
Default Reporting Services Fold	Sql Server MetaData Database and Instance Name:	SERVER2008R2
Full name of the folder on the reporti	ng ser	
	Close	Copy to Clipboard
	Data Source Name:	

- 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.

>
Exit

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

🖉 BizInsight Co	ntent Installer
	Relevant Information
Automatic Install Manual Install Stages Install Report Server Create Report Server User Run Script Files	 Reporting Server Found Reporting Server User Found Scripts Have Been Run DataSet Content Found MetaData Content Found Eurction Content Found
Deploy Data Set Content Deploy MetaData Content Deploy Function Content Admin Tool	Users Have Been Added by Admin Tool
Config Tool	55

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

Installation Activities for Client Workstation(s)

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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.

)racle Universal Installer: Summary		11
Summary	DATADADE	
Oracle Data Access Components for Oracle Client 11.2.0.3.	0	
Oracle Data Access Components Documentation for Visual Studio 2008 1	1.2.0.3.0	
-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		8
-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		
-Oracle Universal Installer 11.2.0.3.0		
DDDMC Descripted Connect Files for Instant Olient 44, 3,0,3,0		
Help Installed Products Back Next	Install	Cancel
The version shown in the screenshot is for illustration	on only.	

Install the ODAC version appropriate for your Oracle database

MPORTANT

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**.

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

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



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



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



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

A sugge set of a set	
End-User License Agreement	
Please read the following license agreement carefully	BizNetsoftwa
	-
	•
End User License Agree	ment
NOTICE TO ALL USERS: PLEASE READ TH	IIS AGREEMENT
CAREFULLY. BY CLICKING THE "I AGRE	EE" BUTTON AT
THE BOTTOM OF THIS PAGE OR BY IN	STALLING AND
USING THE SOFTWARE, YOU AGREE TO A	ACCEPT ALL OF
THE TERMS AND CONDITIONS OF THI	IS AGREEMENT
AND YOU AGREE THAT THIS A	GREEMENT IS
ENTEODOEADI E AC TE IT UAD DEENI SIGN	
✓ I accept the terms in the License Agreement	
	1
Print Back	Next Cancel

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



10. Click Next at the Confirm Installation dialog.



 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.

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

Click Import Settings.

13. Once the installation completes, click **Close**.



Installing BizInsight for the Non-Administrative User

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

- 1. After completing all of the preceding steps to install BizInsight, log out of the client workstation and log back in as the BizInsight user.
- 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.

Adding information can unintentionally change or delete values and cause components to stop we correctly. If you do not trust the source of this information in Excel2007_register_OnDemand.reg not add it to the registry.		
Yes	No	
	ister_OnDer	

RegSvr:	32
1	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.CU \bin5\adxregistrator.exe /uninstall="BizInsightxL.dll" /privileges=user \bin5\adxregistrator.exe /install="BizInsightxL.dll" /privileges=user regedit.exe C:\BizInsight\Excel2013_register_OnDemand.reg	JSTOMUI

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 Settings Skipped	x
The current settings are set to default. You can change the settings in the application settings dialog.	1
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 131.



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			
Folder or network share where the BizInsight.biz and BizInsightDB.biz are stored.			
Administration Path			
Network share where your license file and user files are stored.			
Options			
Enable Formula Editor Pop-up Formula Editor Pop-up			
Enable Refresh Timer Clear Credentials			
Enable Cache Information Dialog Local Content Path			
Calculation Settings			
Use Advanced Expression Editor Account Definitions			
Reporting Services Default Settings			
Default Reporting Services Server			
http://servemame/reportserver			
Format: "http://server/reportserver"			
Default Reporting Services Folder Name			
Folder Name			
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	. 🗆 🗵		
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			
Renable Formula Editor Pop-up	nly)		
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.

ОК
×

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.

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

IMPORTANT This step is essential to complete Column Based security configuration. See " BizInsight Column Based Security Overview" on page 125 for more information about this optional security feature.

 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	١
✓ Use SQL Server for MetaData	
Use SQL Authentication	
Username	
Password	
Database server and instance	
-am-ran/2001\$	
SQL connection information for BizInsight databases Database instance name not required if using default	
ОК	

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



Click **OK** and enter a valid SQL login and password with appropriate rights to the SQL MetaData databases. Click **OK**.

2	SQL Server MetaData Connection
_	
	☑ Use SQL Server for MetaData
	Use SQL Authentication
	Username bizuser
	Password *****
	Database server and instance
	om+om(2003)
	SQL connection information for BizInsight databases Database instance name not required if using default
L	OK

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

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



7. Skip to the next white background step.

Centrally Managed User Settings (green background)

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



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

					0						
X∄		÷. ج			Book	1 - Excel			? 📧	- 0	×
FILE	E	HOME	INSERT	PAGE LAY	OUT FO	RMULAS	DATA	REVIEW	VIEW	BizInsigh	it 🕨
Paste	. 	Calibri B I	- 11 <u>U</u> - A [*] <u>∞</u> - <u>A</u> -	A Alignr	F %	er 🐼 Con	ditional For nat as Table Styles *	matting • • •	Cells Edit	ng	
Clipb	oard	5	Font	Fail I			Styles				^
L3		• :	$\times \checkmark$	f_{x}							~
		A	В	С	D	E	F	G	н	I	۸
~	1										
	2										
	3										
ght	4										
JSİ	-										
izl	6										
ш	7										
	8										
	9										
	10										
	11										
	12										
»	13										-
*	4	•	Sheet1	+							Þ
READ	Y					E		॑	-	-+ 10	00%
	_										

10. If you receive the following error, go back to your server and make sure all of the configuration changes have been made for XMLFast (see "CheckTCP/IP, SQL Browser and Firewall Exceptions" on page 35) and make sure the end user has the db_datareader and db_datawriter permissions to the SQL metadata databases (BizInsight and BizInsightDB).



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 131.

Access Denie	ed 💦	
	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)

f _x		0	
	Α	В	С

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

1	A B	С	D E	F	G	Н	1	J	K	L
1										
2	Company Code	BDC								
3	Fiscal Year	2010								
4	Period	1	Function Argu	iments						<u>? ×</u>
5			MTDNET							
6		C\$3,C4)	Company	\$C\$2		-	BDC"			
7			Year	4043			2010			
8			Deviad	14040		1020	1			
9			Period	104						
10			Segment1				•			
11			Segment2	1			•			-
12										
13			Month To Date	Net Amount.						
14					Period Es	tablish report	ing period.			
15										
16										
17			Formula retylt	= -13440.24						
18			Help on this function OK Cancel							
19									ncel	
20							1			

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

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

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

Step 5: Install BizInsight Desktop Edition

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

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

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



4. If a User Account Control dialog opens, click Yes.

😯 User Account Control 🗾								
Do you want to allow the following program from an unknown publisher to make changes to this computer?								
Program name: Publisher: File origin:	C:\Users\linda\Desktop\BizDesktop\BizDesktop.msi Unknown Hard drive on this computer							
Show details	Yes No							
	Change when these notifications appear							

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 - Desktop Edition License Agreement				
	End User Lic Agreemer (Subscription I	ense nt Base	d)	~
	NOTICE TO ALL USERS: I THIS AGREEMENT CARE CLICKING THE "I AGREE THE BOTTOM OF THIS P. INSTALLING AND USING	PLEASI FULLY " BUTI AGE OI 5 THE	E READ : BY 'ON AT R BY	
	✓ I accept the terms in the License A	greement		
Print	Back Install		Cano	el

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

😸 BizInsight - Desktop Edition Setup		-		x
	Completed the BizInsight Edition Setup Wizard Click the Finish button to exit the Set	t - Desł	ktop 1.	
	Back	sh	Can	cel

Appendices

Manually Deploying Content Reporting Services Reports	
Manually Installing BizContent Add-ins	
OptimizeCache Adjustments	
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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.
- 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	×
G 🗸 - Content - Server - Reporting Services - 🗸	Search Reporting Services
Organize 🔻 New folder	## 🔻 🗍 🔞
Image: Second part of the second part	
Network	
File name: BizNetERP.sIn	All Project Files (*.sln;*.dsw;*.vc
	Open Cancel

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



6. Click on **Edit**.

Shared Data Source Pro	operties	×
General Credentials	Change name, type, and connection options.	
	BizNetERP	
	Туре:	
	Microsoft SQL Server	_
	Connection string:	
	Data Source=localhost[Initial 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**.

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

 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 🖉 47 - C4 - I =	
File Home Ir	sert
🛃 Save	
Save As	
🚰 Open	
📬 Close	
Info	
Recent	
New	
Print	
Save & Send	
Help	
Doptions 🞝	
🔀 Exit	

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



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



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

🔣 Browse				×
G → 1 + Co	omputer 🝷 Local Disk (C:) 🝷 BizInsight 🝷	👻 🔻 🏹 😽	earch BizInsight	2
Organize 🔻 New fo	older			
X Microsoft Excel	Name *		Date modified	Туре
	Din 5		8/17/2013 11:50 AM	File folder
Favorites	🔒 reg5		8/17/2013 11:50 AM	File folder
Desktop	BizNetERP		2/2/2012 11:19 AM	Microsoft Exe
Recent Places	Open a Support Issue		5/9/2013 12:32 AM	Internet Sho
Libraries Libraries Documents Music Pictures Videos Image: Computer				
Local Disk (C.)				Þ
	File name: BizNetERP	Tools -	dd-Ins	Cancel

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

Add-Ins	? ×
Add-Ins available:	
Analysis ToolPak Analysis ToolPak - VBA	OK
BizInsightXL.Foundation BizNetERP	Cancel
Euro Currency Tools	Browse
	Automation
BizInsightXL.Foundation ProgID: BizInsightXL.	Foundation

4. Click **OK**.

Excel 2007

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



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

o otro o	Add-ins		
ooning		1	1
	Active Application Add ins	Location	Туре
nguage	Bislociaht	C\BitIncight\bin5\advloader.dll	COM Add in
vanced	BizInsightXL.Foundation	C:\Windows\SysWOW64\mscoree.dll	Excel Add-in
	Inactive Application Add-ins		
istomize Ribbon	Analysis ToolPak	C:\ice\Office14\Libran/Analysis\ANALYS32.XLL	Excel Add-in
lick Access Toolbar	Analysis ToolPak - VBA	C:\Office14\Library\Analysis\ATPVBAEN.XLAM	Excel Add-in
	Custom XML Data	C:\6)\Microsoft Office\Office14\OFFRHD.DLL	Document Inspector
ld-Ins	Date (XML)	C:\les\microsoft shared\Smart Tag\MOFL.DLL	Action
	Euro Currency Tools	C:\t Office\Office14\Library\EUROTOOL.XLAM	Excel Add-in
ist Center	Financial Symbol (XML)	C:\les\microsoft shared\Smart Tag\MOFLDLL	Action
	Headers and Footers	C:\6]\Microsoft Office\Office14\OFFRHD.DLL	Document Inspector
	Hidden Rows and Columns	C:\6]\Microsoft Office\Office14\OFFRHD.DLL	Document Inspector
	Hidden Worksheets	C:\6]\Microsoft Office\Office14\OFFRHD.DLL	Document Inspector
	Invisible Content	C:\6)\Microsoft Office\Office14\OFFRHD.DLL	Document Inspector
	Microsoft Actions Pane 3		XML Expansion Pack
	Solver Add-in	C:\ce\Office14\Library\SOLVER\SOLVER.XLAM	Excel Add-in
	Document Related Add-ins		
	No Document Related Add-ins		
	Disabled Application Add-ins		
	No Disabled Application Add-ins		
	Add-in: BizInsight		
	Publisher: <none></none>		
	Compatibility: No compatibility info	ormation available	
	Location: C:\BizInsight\bin5\a	dxloader.dll	
	Description: AddinModule		

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



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

🔣 Browse				×
	omputer 🝷 Local Disk (C:) 🝷 BizInsight	🔹 🗾 🗸	earch BizInsight	2
Organize 🔻 New fo	older		=== -	· 🔟 🕐
X Microsoft Excel	▲ Name ^		Date modified	Туре
	🍌 bin5		8/17/2013 11:50 AM	File folder
🛠 Favorites	🔒 reg5		8/17/2013 11:50 AM	File folder
Desktop	BizNetERP		2/2/2012 11:19 AM	Microsoft Ex
Recent Places	Open a Support Issue		5/9/2013 12:32 AM	Internet Sho
Libraries Documents Music Fictures Videos				
Computer				
Local Disk (C:)	- 1			b
	File name: BizNetERP	Tools -	Id-Ins	Cancel

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

Add-Ins		? ×
Add-Ins available:		
Analysis ToolPak Analysis ToolPak - VBA	A	ОК
 BizInsightXL.Foundation BizNetERP 		Cancel
Euro Currency Tools		Browse
		Automation
DisTasiah WI. Faundation	-	
ProgID: BizInsightXI	Four	ndation

5. Click **OK**.

Excel 2003

1. Click on Tools > Add-Ins



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



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

🔣 Browse				×
G → 1 + Co	omputer 🝷 Local Disk (C:) 🝷 BizInsight 🝷	👻 🔻 🏹 😽	earch BizInsight	2
Organize 🔻 New fo	older			
X Microsoft Excel	Name *		Date modified	Туре
	Din 5		8/17/2013 11:50 AM	File folder
Favorites	🔒 reg5		8/17/2013 11:50 AM	File folder
Desktop	BizNetERP		2/2/2012 11:19 AM	Microsoft Exe
Recent Places	Open a Support Issue		5/9/2013 12:32 AM	Internet Sho
Libraries Libraries Documents Music Pictures Videos Image: Computer				
Local Disk (C.)				Þ
	File name: BizNetERP	Tools -	dd-Ins	Cancel

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

Add-Ins		? ×
Add-Ins available:		
Analysis ToolPak Analysis ToolPak - VBA	A	ОК
 BizInsightXL.Foundation BizNetERP 		Cancel
Euro Currency Tools		Browse
		Automation
DisTasiah WI. Faundation	-	
ProgID: BizInsightXI	Four	ndation

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 direct	Select the directory where the Biz data files are located.				
Machine name w	here the SQL Server database is located				
(include instance	Browse For Folder				
- Venutine					
View Log	Brogram Files (+96)				
	Acro Software				
	> Adobe				
	> 🔒 AnjLab.com				
	V 🔒 BizNet Software				
	BizNetERP_GL 1.0.0.0				
	Content				
	Server				
	Templates				
	> Brother				
	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 four	ıd.	
Retry	Cancel	

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

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

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

Connection Error	×
Cannot connect to "W2k3SVR".	
ОК	

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

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



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

🔛 frmLo)g					
3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201 3/5/201	4 5:44:43 PM 4 5:44:50 PM 4 5:44:51 PM 4 5:44:51 PM 4 5:44:52 PM 4 5:44:52 PM 4 5:44:52 PM 4 5:44:52 PM 4 5:44:53 PM 4 5:44:53 PM 4 5:44:55 PM	Found biz files Creating SqlServer d SQL database Bizln SQL database Bizln SqL database Bizln Processing BizNetPro Hierarchy Restricted BizCaches BizCaches BizPropert Cleaning imported dc	latabases latabasesdone sight found sight DB found perty Functions > History y ata			
3/5/201	4 5:44:55 PM 4 5:44:55 PM	Diamsigni	BizNetProperty Hierarchy 75 -> 75	437 -> 437		
3/5/201	4 5:44:55 PM		RestrictedFunction	s 29 -> 29		
3/5/201 3/5/201	4 5:44:55 PM 4 5:44:55 PM	BizInsight[)B BizCaches	1 -> 1		
3/5/201	4 5:44:55 PM		BizCachesHistory	1494 -> 1494		
3/5/201	4 5:44:55 PM		BizProperty	39 -> 39		
3/5/201 3/5/201	4 5:44:55 PM 4 5:44:55 PM	NANNANANANANANANANANANANANANANANANANAN				
					Save	Close

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

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

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

BizInsight Column Based Security Overview

Disclaimer:

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

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

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

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

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

BizInsight uses Reporting Services to store the queries and datasets used for connectivity to the accounting system. Reporting Services provides its own security and BizInsight objects can be

independently secured using the delivered Reporting Services security model. Users must be granted access to the BizInsight objects published to Reporting Services in order to utilize them.

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

BizInsight License User Types Security

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

Column Security

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

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

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

Security vs Performance

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

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

* Multiple restricted columns is not currently supported

Key Results:

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

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

Column Security Limitations

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

Requirements to Use Column Security

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



• Reporting Services versions 2005*, 2008, 2008 R2, 2012 or 2014

IMPORTANT Reporting Services 2005 requires additional files to be installed. IT administrators must install the prerequisite files in a particular order. Following is a link to a Microsoft article with links to the necessary download files.

http://www.microsoft.com/en-us/download/details.aspx?id=16978

a. Install Microsoft[®] System CLR Types for SQL Server[®] 2008 R2

The SQL Server System CLR Types package contains the components implementing the geometry, geography, and hierarchy id types in SQL Server 2008 R2. This component can be installed separately from the server to allow client applications to use these types outside of the server.

b. Install Microsoft[®] SQL Server[®] 2008 R2 Shared Management Objects

The SQL Server Management Objects (SMO) is a .NET Framework object model that enables software developers to create client-side applications to manage and administer SQL Server objects and services. This object model will work with SQL Server 2000, SQL Server 2005, SQL Server 2008 and SQL Server 2008 R2.

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:



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 doubleclick 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 137.

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

🖉 BizInsight Co	ntent Installer	×
	Relevant Inform	nation
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 Config Tool	 Reporting Server Found Reporting Server User Found Scripts Have Been Run DataSet Content Found MetaData Content Found Function Content Found Users Have Been Added by Admin Tool Settings Have Been Configured by Config Tool 	nation
Exit		3

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 0173172029 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 01/31/2023	•		
Developer 1 Designer 2 Viewer 2 DrillDown 2 Configure Users			
	Add Row	Delete Row	Commit Changes

 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\albert	
Viewer 💌	domain \marilyn	
Viewer 💌	domain\frank	
I		
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 Use	ers		<u> </u>
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**.

Configuration Confirmation	X
Users must also be given additional folder permissions and Report Serve permissions. Would you like to do this now?	r
Yes No	

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	141
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 2005, 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 148.

Reporting Services Configu	iration Connection	×
SQL Server Reporting Serv	**2008 R2 rices	
Please specify a server nan instance to configure.	ne, click the Find button, and select a repo	ort server
Server Name:	SERVER 2008R 2	Find
Report Server Instance:	BIZNET	
Ø	Co	onnect 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?	count on this machine. could fail to function
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 Sal 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. It is especially recommended when your existing SQL Server is version 2005. BizNet Software Support will not assist with implementing Reporting Services 2005 .
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.
	X
	The SQL Server override must connect to a SQL Server on machine SERVER2008R2
	ОК
	Report Server Override
	Connection Sting For SQL Server Server-SERVER2008R2/instance_name.Trusted_Connection=True;
	Windows Authentication Example SQL Server Authentication Example Web LIR: For Report Server Test SQL Server Connection
	http://[MACHINE-NAME]/ReportServer_[REPORT-SERVER-INSTANCE] Test Report Server Connection
	Overide Report Server Install Cancel
	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.

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

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

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



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 Home	er Re	porting Services	
	>	🕇 Delete 🕕 🎥 New Role Assignm	nent
Security		Group or User 🕹	Role(s)
		Edit BUILTINVAdministrators	Content Manager
		Edit SERVER2008R2\adminuser	Content Manager
	2		201

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

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

Deployment Options	Data Source Name:
Overwrite Datasources	BizNetERP
	Server Name:
Overwrite Reports	SERVER2008R2
Preserve Folder Structure	Database Name:
110001401010000000	master
Use Folders for Datasources	Use Windows Authentication
	O Prompt For Credentials

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

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

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

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



The Content Deployed Successfully dialog will open and display the Web Service

and the Report Manager URLs. Click Close.

Content Deployed Succes	sfully	
Your content has been depl You can view the content th	oyed successfully. nat has been deployed on your server at the following links:	
Reports Server:	http://server2008r2/reportserver/BizNetERP?%27BizNetERPrs.Command=ListChildem	
Reports Manager:	http://server2008r2/reports/Pages/Folder.aspx?ltemPath=%2/BizNetERPViewMode=List	
	Close	li

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

Deploy MetaData Content

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

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

Pre Installation Question					
Deploy Local Content					
Please choose a directory location	on for the Configuration Path:	C:\BizInsightShare	 		Browse
This directory will become a share	red network directory after the	installation process.		🗖 Over	ide 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.

P	e Installation Question						
	Deploy Local Content						
	Please choose a directory location	n for the Configuration Path:	C:\BizInsightShare\Confi	g			Browse
	This directory will become a share	d network directory after the i	nstallation process.			Override Configura	tion Path
	I	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 readded 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 171 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 readded after conversion is complete. This process is a necessary step to ensure future custom settings are preserved and should not be required again. See the section titled "Recreate Custom Objects" in the *Applying Updates* document for instructions on recreating custom content.

Deploy Function Content

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

Pr	e Installation Question							
	Deploy Local Content Please choose a directory location for the Configura	ation Path:	C:\BizInsig	htShare\Config	 			Browse
	This directory will become a shared network director	ry after the in	nstallation pro	ocess.			Override Config	guration Path
		Ok			Cano	cel		

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	- D ×
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	
Viewer 2	
DrillDown 2	
Configure Users	
	Exit

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

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

🕸 License Administration Tool	- SERVER2008R2	linda	
Administration Path	🖉 Current Users		
C:\BizInsightShare\Admin\BizInsi	User Type	Users	
Network share where your license	Designer 💌	domain∖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



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			
Group or user names:			
Inda (SERVER2008R2\inda Albert Einstein (SERVER200) 8B2\albert)		
Marilyn Monroe (SERVER20	08R2\marilyn)		
👗 Frank Sinatra (SERVER2008	R2\frank)		
	Add	Remove	
Permissions for linda	Allow	Deny	
Full Control	D		
Change Read	N N	H	
	_		
Learn about access control and p	emissions		
ОК	Cancel	Apply	

Config Properties			2
General Sharing Security Pre	vious Versions	Customize	
Object name: C:\XLConnectSl	nare\Config		
Group or user names:			
linda (SERVER2008R2\lind	a)		1
Albert Einstein (SERVER200)8R2\albert)		1
👗 Marilyn Monroe (SERVER20	08R2\marilyn)		
Frank Sinatra (SERVER200	RR2\frank)		
			_
To change permissions, click Edit	t.	Edit	
		_	
Permissions for Albert Einstein	Allow	Deny	-
Full control			1
Modify	\checkmark		L
Read & execute	~		L
List folder contents	~		L
Read	~		
Write	~	-	1
For special permissions or advance	ed settings,	Advanced	T.
click Advanced.	-	Advanced	
Learn about access control and r	amiesions		
Learn about access control and p	<u>/cimisaiuna</u>		
OK	Cancel	Applu	
OK		- Abba	

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 0	Customize	
Object name: C:\XLConnectShare\A	dmin		
Group of upper parmage:			
			1
Inda (SERVER2008R2Vinda)	-11	^	1
Moder Einstein (SERVER2008R2)	albert)		1
Maniyn Monroe (SERVER2008R2)	vmaniyn) mels)	-	1
	anki		1
To change permissions, click Edit.	Г	Edit	1
	_		1 נ
Permissions for Albert Einstein	Allow	Deny	
Full control			
Modify			
Read & execute			
List folder contents			
Read	~		1
Write		-	
For special permissions or advanced set	ttings		i I
click Advanced.		Advanced	IJ
Learn about access control and permiss	sions		
ОК	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 connection information for BizInsight databases. Database instance name not required if using default	
SERVER2008R2\BIZNET	_
Contiguration Path Network share where the content files are stored	
\\SERVER2008R2\ConfigurationPath	
Administration Path	
Network share where your license file and user files are stored	
\\SERVER2008R2\AdministrationPath	
Default Reporting Services Server	
Web url of the reporting services server where the RDLs are deployed	
Format: http://server/reportserver	_
http://server2008r2/ReportServer_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	
	-
C Allow All Events to be logged in the Event Log	
On'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 Clein this for new and configure later	Canaal
Skip this for now and configure later.	Cancel

User Experience Tab

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

Configuration Tool						
General User Experience F	erformance	Security				
- Show Large Filters						
 Display expressions longe 	er 255 charact	ters in a cell abo	ove the Analysis	s Set List		
 Don't display expressions 	longer 255 ch	naracters in a co	ell above the Ar	nalysis Set List		
Refresh Timer						
 Tell me how long it took to 	o refresh the n	eport and how	many times the	engine was ca	lled.	
O Don't tell me how long it to	ook to refresh	the report and	how many times	s the engine w	as called	
Caching Window						
Show each data execution	on and it's para	ameters in a por	p-up window			
Don't show each data ex	· ecution and it	's parameters in	i a pop-up windo	ow		
Formula Editor Popup						
 Display formula editor pop 	o-up when drag	gging and drop	ping a formula			
 Don't display formula edite 	or pop-up whe	n dragging and	d dropping a form	nula		
Expression Editor						
Render Mode						
 Use software graphics re 	endering					
O Use hardware graphics r	endering					
Start Up Page						
The Expression Editor with the expression of	ill start in basic	c mode.				
C The Expression Editor wi	ill start in adva	anced mode.				

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

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 OK
Caching Window	BizInsight can be configured to display a caching window for each data
	cache being built. This leature is turned on 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
Option Formula Editor Popup	Description This option can be used to control whether the Function Arguments dialog automatically opens for a user when a function is dragged and dropped from the BizInsight Navigation Pane into a worksheet. Function Arguments Function Argumen
	Company Establish Company. Formula result = Help on this function OK Cancel IMPORTANT For Excel 2013 users, this option cannot be enabled if the Caching Window option is enabled.
Expression Editor Render Mode	The Expression Editor is a BizInsight feature that helps users construct complex expressions for their functions parameters. This option exists to allow customers to switch to hardware graphics rendering to address usability issues with the Expression Editor dialog that may be caused by the client workstation's video drivers.
Expression Editor Start Up Page	Use this option to control whether the Expression Editor will start with the Basic dialog or the Advanced dialog. BizNet Software recommends that this setting be left at the default, Basic mode, for all users.

Performance Tab

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

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

Security Tab

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

Configuration Tool	_ 🗆 ×
General User Experience Performance Security SQL Authentication Prompt SQL Authentication Prompt C Ask only once for data server credentials until the Excel application is restarted. Image: Ask for your data server credentials every time. Meta Database Type Authentication	
Windows 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	ntent 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
Deploy DataSet Content	Users Have Been Configured by Admin Tool

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

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

🖉 Relevant Information	
Config Path:	\\SERVER2008R2\ConfigurationPath
	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 Vers	sion 1.4.0.0
Close	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:



IMPORTANTIf 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.NOTECustom 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.

[]	â	Ŧ									Set	AcctD	ef.xls	x - Ex	cel				
	PAG	e layoi	JT	FORM	ИОГА	٨S	DATA	REVIE	w v	/IEW	BizBroa	dcast		BizIn	sight				
ori		*	11 -	A	A	=	= =	» ? -	😽 Wr	ap Text		Gen	eral			*	ŧ		
I	<u>U</u>	•	- 8	- <u>A</u>	-	≡	= =	ۮ	🗮 Me	rge & Cer	nter 👻	\$	- %	,	€.0 .00	.00 →.0	Conditional Formatting •	Format as	Cell Styles •
		Font			Fa			Aligni	nent		G.		Nu	mber		Fa		Styles	
[\times	~	f_{x}																
		А		В					С							D			E
1																			
2			Ргор	ertyl	Nam	e F	Propert	yValue				SetA	cctD	ef					
3			All R	egior	ns	[((Segm	ent2 IN ('	00', 10,	20, 30, 4	10)))]	[((Se	gme	nt2 I	N ('0	0', 10	, 20, 30, 40)))]	
4			Corp)		0	((Segm	ent2 ='0	0'))]			[((Se	gme	nt2	= '00'))]			
5			Regi	on A		[((Segm	ent2 IN (:	10, 30)))]		[((Se	gme	nt2 I	N (10), 30)))]		
6			East			[((Segm	ent2 = 10))]			[((Se	gme	nt2	=10)))]			
7			Cent	ral		0	((Segm	ent2 = 30))]			[((Se	gme	nt2	= 30)))]			
8 Region B			[[((Segment2 IN (20, 40)))]				[((Segment2 IN (20, 40)))]											
9			Wes	t		[((Segm	ent2 = 20))]			[((Se	gme	nt2	= 20)))]			
1	n																		

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



Retrieving Custom Properties

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

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



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

🖉 Application Settin	gs	
☑ Use settings from 0	Configuration 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.

2	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	PropertyVersion					
OptimizeCache	ARInvoice	Lov D.	ataAll				
OptimizeCache	Balances_/	፠	Cu <u>t</u>				
OptimizeCache	Balances_/	Ē	<u>С</u> ору				
OptimizeCache	BudgetInf	Ĝ	Paste Options:				
OptimizeCache	Transactio		<u>_</u>				
PivotLayout	Accounts/						
PivotLayout	AP1099/De		Paste <u>S</u> pecial				
PivotLayout	APCheckD		Insert				
PivotLayout	APChecks,		Delete				
PivotLayout	APInvoice		— Clear Contents				
PivotLayout	APInvoice	-					
PivotLayout	APInvoice	1	<u>Q</u> uick Analysis				
PivotLayout	AP∨endor		Filt <u>e</u> r I	·			
PivotLayout	ARCashRe		S <u>o</u> rt I	•			
PivotLayout	ARCashRe	*	Insert Comment				
PivotLayout	ARInvoice		Insert Co <u>m</u> ment	:			
PivotLayout	ARInvoice		Sh <u>o</u> w/Hide Comments	ult			
PivotLayout	ARInvoice	e- 0-	<u>F</u> ormat Cells				
PivotLayout	Balance_B	Б.	<u>E</u> dit Query				
PivotLayout	Balance_Ir	•-	Data Bange Properties				
PivotLayout	Balances_/		D	2			
Divot avout	Palancoc	۲ <u>[</u> ?]	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								
C 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 ■ Preserve column sort/filter/layout								
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								
C Insert entire ro <u>w</u> s for new data, clear unused cells								
Overwrite existing cells with new data, clear unused cells								
Eill down formulas in columns adjacent to data								
OK Cancel								

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



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

File	Home	Insert	Page Layout		Formulas	Data	Review	View	BizInsight
			Σ	X	000	2	E ?		
BizInsight Explorer	Application Settings	Data Caches	Expression Editor	Offline	Save Changes to BizInsight	Scan for Content	BizNet Assistant	About	
BizInsight Reporting and Analytics									
13. From the **Functions** node of the **Properties** menu, drag and drop a **SetAcctDef** function and drop it in a column to the left of the analysis set. Add a column if one is not already there.

Α4		· ·	$\times \checkmark f_{\lambda}$	r = <mark>SetAcctDef()</mark>
>>		A	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.

s	* :	$\times \checkmark f_x$	=SetAcctDef(B4,C4,D4,E4)		
	A	В	С		
1					
2					
3		PropertyName	PropertyVersion	Prope	
4	I,D4,E4)	OptimizeCache ARInvoiceInvDateAll			
5		Function Argume	nts ? 🗙	NetAn	
6		SetAcctDef		NetAn	
7		Description	The second secon	NetAn	
8		Propertyname	B4 OptimizeCatrie	NetAn	
9		PropertyVersion	C4 = "ARInvoiceInvDateAll"	:accou	
10		Property¥alue	D4 🔣 = "NetAmount;MainAccountCode"	::Sum	
11		PropertyUserID	E4 = "All"	Value:	
12			 "Not@mountMain@ccountCode" 	::Sum	
13		No help available.	- NeoAmount,ManAccountCode	::Sum	
14			Deve scholles (D)	Value	
15			Property user	Value:	
1.5				Value.	
10				Value:	
1/		Formula result =	NetAmount;MainAccountCode	Value	
18		Mala an Akis from the	in OK Cancel	Value:	
19		Help on this funct		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			
3		PropertyName	PropertyVersion
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5	#OFFLINE	OptimizeCache	Balances_All
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8	#OFFLINE	OptimizeCache	Transactions_All
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- 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.

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