

5.7 SR10 P18

Installation & Setup Guide

Updated on: September 20, 2017

This document contains information about installing and configuring version 5.7 SR10 P18 of the Eze OMS™.



The information included in this document is confidential and intended only for Eze Software Group employees.

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Installation and Configuration Overview

Installing Eze OMS 5.7 SR10 P18 involves running Installers on the database and application servers, and on all client computers.

The following sections provide detailed information about installing and configuring the Eze OMS.

- Prepare to upgrade the Eze OMS

Eze Product Specialists are responsible for testing compliance rules and Tradewinds server compatibility — See page 4

- Installation and Configuration — Database Server

Members of the Eze Product Specialist group are responsible for configuring the Eze OMS database server — See page 5

- Installation and Configuration — Application Servers

Members of the Eze Product Specialist group are responsible for installing and configuring the application server components of the Eze OMS — See page 22

- Installation and Configuration — Client Computers

Eze Engagement Managers are responsible for installing and configuring the Eze OMS on client computers — See page 39

The installation steps listed above need to be performed in the order illustrated in the following diagram.

Prepare Upgrade
(Eze Product
Specialists)

Database Server
(Eze Product
Specialists)

Application Server(s)
(Eze Product
Specialists)

Client Computers
(Eze Engagement
Managers)

Eze OMS Installation Sequence



Prepare to Upgrade the Eze OMS

Before upgrading the Eze OMS to version 5.7 SR10 P18 you need to convert compliance calculations and rules from previous versions and ensure Tradewinds processes are compatible with the Tradewinds server.

Convert compliance rules from previous versions

If you are upgrading to Eze OMS version 5.7 SR10 P18 or later from a version earlier than 5.7 SR5, then you need to run the Rule Converter tool (Compliance menu > **Advanced > Rule Converter**).



If possible, you should test rule conversions in a test environment before converting rules in a live production environment.

Ensure Tradewinds server compatibility

You need to install Eze OMS version 5.7 SR10 P18 in a test environment and test Tradewinds well in advance of upgrading a client environment to ensure compatibility.

Tradewinds processes now support only the following DLL files:

- **EzeBOAPwdChanger.dll**
- **EzeBrokerEmails.EzeBrokeEmail.dll**
- **EzeClientDataExport.dll**
- **EzeClientLoadPMIntf.dll**
- **EzeFileLoadSever.dll**
- **EzeFileMoveInterface.dll**
- **EzeFtpTradewinds.dll**
- **EzeGenericHoldings.dll**
- **EzeIntradayXML.dll**
- **EzeMailServer.dll**
- **EzeOatsPMintF.OatsPM.dll**
- **EzePublisherNotifier.dll**
- **EzeThirdPartyAcks.dll**
- **EzeTWGenericFileManager.dll**
- **EzeTWPositions.fll**
- **EzeTWResigner.dll**
- **EzeTWTradeImporter.dll**
- **EzeXLMapperIntf.dll**
- **EzeXmlDetailed.dll**
- **EzeXMLPriceDetailed.dll**
- **EzeXmlTransformDetail.dll**
- **TWAlertSenderQ.dll**

Any processes you configure (**Processes** tab in the Tradewinds Client) using an unsupported DLL file may fail.



Installation and Configuration — Database Servers

Members of the Eze Product Specialist group are responsible for configuring the Eze OMS database server.



Do not configure database components in client environments unless you are a member of the Eze Product Specialist group.

Configuring the Eze OMS database involves the following steps:

- Step 1: Prepare to configure the database — see the following section.
- Step 2: Download the Eze OMS database Installer — see the next page.
- Step 3: Run the Eze OMS database Installer — See page 11
- Step 4: Enable the Trustworthy setting for the Eze OMS and Eze OMS Archive databases — See page 21



Step 1: Prepare to configure the database

Before you can configure the database server for the Eze OMS, you need to:

- Collect information required to complete the Installer — see the following section.
- Install missing third-party components — See page 8
- Enable .NET CLR for the Eze OMS Database — See page 9
- Create and configure a self-signed certificate — See page 10



- Eze OMS database must use Standard or Enterprise versions of Microsoft SQL Server 2012 or later.
 - Additionally, all systems must have Microsoft .NET framework 4.5.2 installed.
 - Upgrade installations of Eze OMS version 5.7 SR8 P5 or later run only SQL scripts required for upgrading to the current version.
 - Microsoft SQL Server Collation settings must be set to **SQL_Latin1_General_CI_AS** for the SQL server that hosts the Eze OMS database.



SQL Collation is set to **SQL_Latin1_General_CI_AS** by default when you install the Microsoft SQL Server on U.S. client machines only. Collation may vary for non-U.S. servers. You need to manually set SQL Collation to **SQL_Latin1_General_CI_AS** when performing the SQL server installation.



If you are upgrading from a version of the Eze OMS earlier than 5.7 SR7, you need to run the View Migration tool to retain previously saved Allocation tab views.



Collect information required to complete the Installer

The following information is required to complete the Eze OMS database server Installer:

- **Database Server** — Name of the SQL server that hosts the Eze OMS database.
- **Login ID** — SQL server user name with administrative privileges (for example, **SA**).
- **Password** — Password associated with the SQL server **Login ID**.
- **Application Server Name** — Name of the application that hosts the Eze OMS application server components. For example, **EZESERVER**.



When upgrading from a previous version of the Eze OMS, you must create a database backup.



Install missing third-party components



All server machines must have Microsoft .NET framework 4.0 or higher installed before you run the database requirements check for missing third-party components.

To check for and install missing third-party components on a database server:

1. Download the DatabaseReqInstall file. **Eze_5.7SR10P18_DatabaseReqInstall.exe** Installer from the following location:
<\\supportFTP\downloads.ezecastlesoftware.com\Builds\OfficialRelease\57\57SR10\57SR10P18>
2. Run the DatabaseReqInstall file **Eze_5.7SR10P18_DatabaseReqInstall.exe** on the application server.
3. Click **OK** to install the missing third-party components and complete the install program.

To silently (without InstallShield prompts) check for and install missing third-party components on a database server:

1. Download the DatabaseReqInstall file. **Eze_5.7SR10P18_DatabaseReqInstall.exe** Installer from the following location:
<\\supportFTP\downloads.ezecastlesoftware.com\Builds\OfficialRelease\57\57SR10\57SR10P18>
2. Open a Command Prompt as an Administrator on the client computer and enter the directory where you downloaded the DatabaseReqInstall file.
3. Run the DatabaseReqInstall file **Eze_5.7SR10P18_DatabaseReqInstall.exe** by entering a command with the following format:

Eze_5.7SR10P18_DatabaseReqInstall.exe[DatabaseReqInstall file name] /s



The install program creates a log file. The path to the log file appears in the Command Prompt once the installer finishes installing third-party components.



To access help when running the installer silently, enter **/?** after the installer name. For example: **Setup.exe /s/?**



Enable Microsoft .NET CLR for the Eze OMS Database

Before you run the Eze OMS Database Installer, you need to enable the .NET Framework Common Language Runtime (CLR) environment on the Eze OMS Database.

To enable the CLR environment, run the following SQL script, as a System Administrator, on the Eze OMS Database:

```
sp_configure 'show advanced options', 1;
GO
RECONFIGURE;
GO
sp_configure 'clr enabled', 1;
GO
RECONFIGURE;
GO
```



Create and configure a self-signed certificate

TradeWinds client connects to the Eze database server via a secure socket layer (SSL). You need to create and configure a self-signed certificate on the database server.



The certificate subject (Eze database server) must be a fully qualified domain name.



After the certificate is created, and before you install TradeWinds client on client computers, you need to install the self-signed certificate on client computers.

Step 2: Download the Eze OMS database Installer

Save the InstallShield, **Eze_5.7SR10P18_Database.msi**, on the database server. The Installer is available in the following location:

<\\supportFTP\downloads.ezecastlesoftware.com\Builds\OfficialRelease\57\57SR10\57SR10P18>

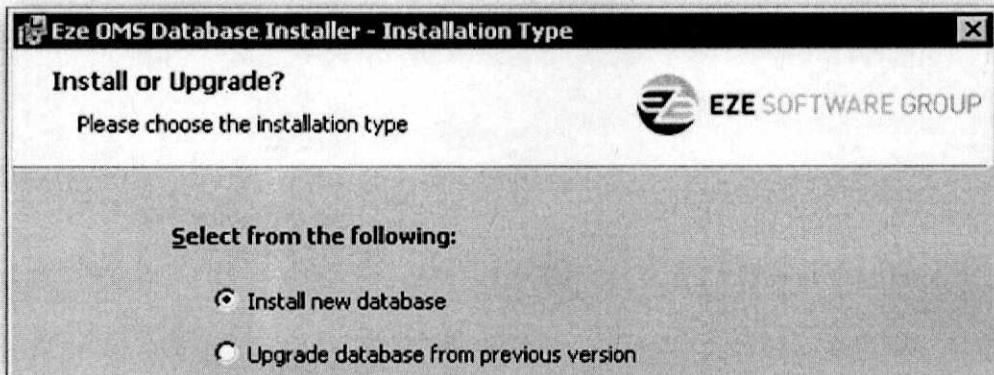




Step 3: Run the Eze OMS database Installer

To configure the Eze OMS database:

1. Open the Installer **Eze_5.7SR10P18_Database.msi** on the database server. The Installer opens.
2. Click **Next**. The Installation Type window opens.



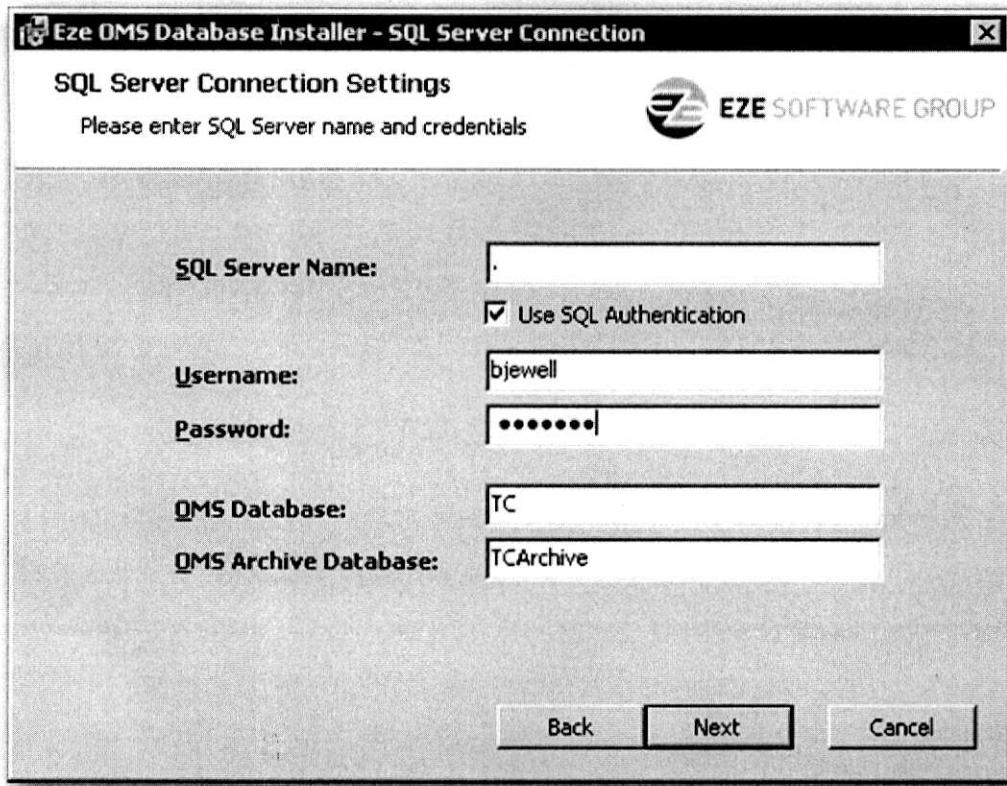
3. Choose a setup type:

- If you are performing a new Eze OMS installation, select **Install new database**.
- If you are upgrading the environment from a previous version of the Eze OMS, select **Upgrade database from previous version**.

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4. Click **Next**. The SQL Server Connection Settings window opens.



5. Provide the following information:

- **SQL Server Name** — Enter the name of the SQL server that hosts the Eze OMS database. By default, this field contains the name of the computer on which the Installer is currently running.
- **Username** — Enter a SQL server user name with administrative privileges (for example, **SA**).
- **Password** — Enter the SQL server password associated with the **Username**.

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6. Enter the names of the **OMS Database** and **OMS Archive Database**.

OMS Database:	TC
OMS Archive Database:	TCArchive

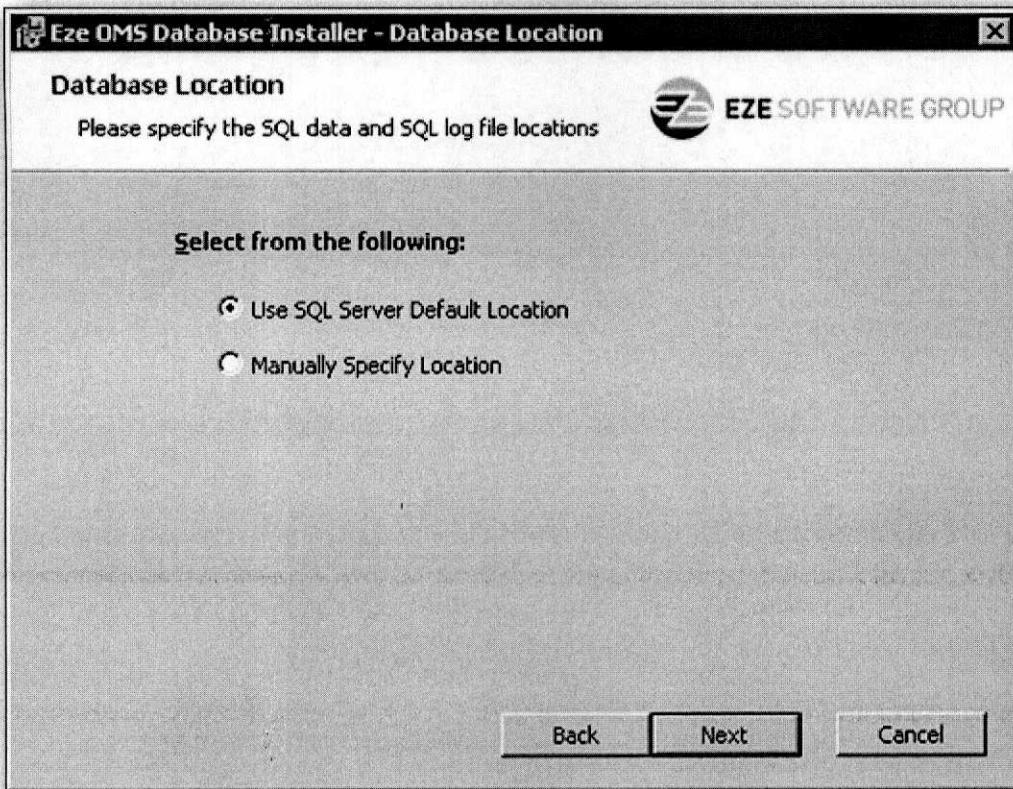
7. Click **Next**.

- For New Eze OMS installations go to the next step.
- For Eze OMS upgrades, skip to step **14**.

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10. The Database Location selection window opens.



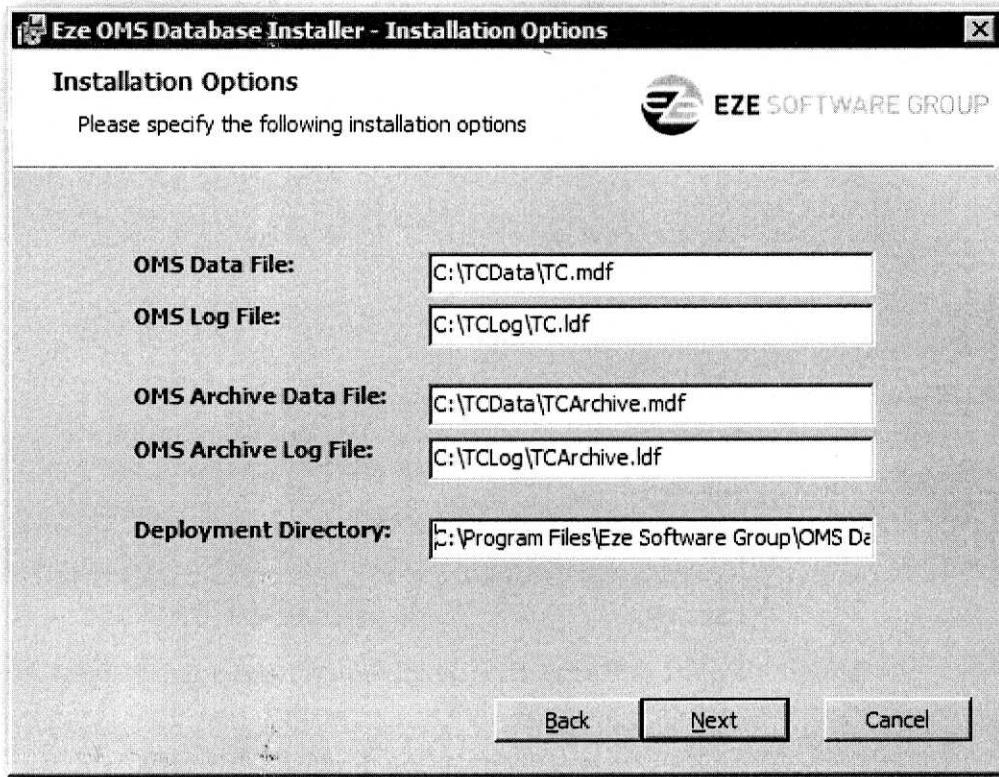
11. Select one of the following:

- **Use SQL Server Default Location**—Store SQL data and SQL log files in the system default location.
- **Manually Specify Location**—Manually define the location(s) in which you want to store SQL data and SQL log files, as well as the deployment directory.

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12. Click **Next**. If you selected **Manually Specify Location**, the Installation Options window opens.



13. In the Installation Options window, enter the following information:

- **OMS Data File** — The directory and file name of the data file for the Eze OMS.
- **OMS Log File** — The directory and file name of the log file for the Eze OMS.
- **OMS Archive Data File** — The directory and file name of the archive data file for the Eze OMS.
- **OMS Archive Log File** — The directory and file name of the archive log file for the Eze OMS.
- **Deployment Directory** — The **Deployment Directory** location on the database server in which you want to install the SQL files for the Eze OMS.

The default location is **C:\Program Files (x86)\Eze Software Group\OMS Database Installer**.

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14. Click **Next**. If you are performing a clean install or upgrading to Eze OMS 5.7 SR10 P14 or later for the first time, then DataBase Master Key Backup Options window opens, as shown below.
(If you are upgrading from Eze OMS 5.7 SR10 P14 or later, then you can skip to step **17**.)



15. Enter the password you want to use to protect the Master Key in the **Backup Password** and **Re-enter Password** fields.

 You need to enter a strong password. A strong password is at least eight characters long and contains at least one of each of the following character types:

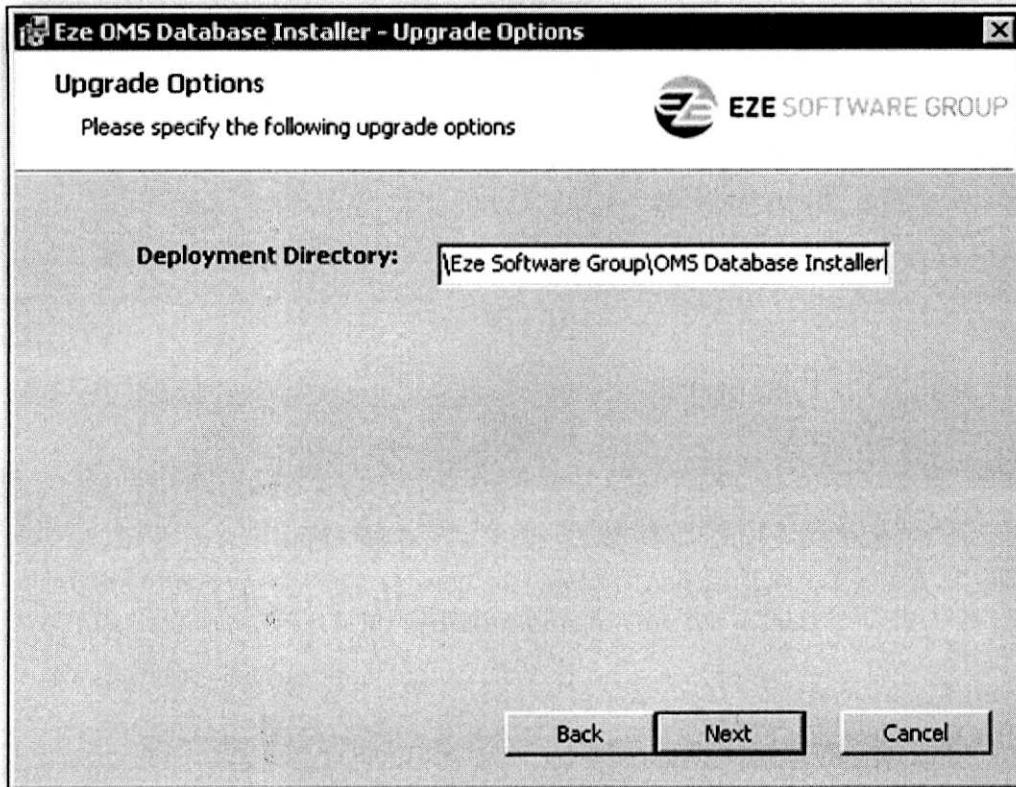
- Uppercase letters (i.e., **A** through **Z**)
- Lowercase letters (i.e., **a** through **z**)
- Base 10 digits (i.e., **0** through **9**)
- Non-alphanumeric characters (e.g., **@**, **!**, **#**, **%**)

 The password cannot contain a single quote symbol ('), since that character is reserved in Microsoft SQL Server.

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16. Confirm that the password meets the definition of a strong password at your firm, select the **This password meets password security requirements for my firm.** check box and then click **Next**.
17. Click **Next**. The deployment directory window opens.



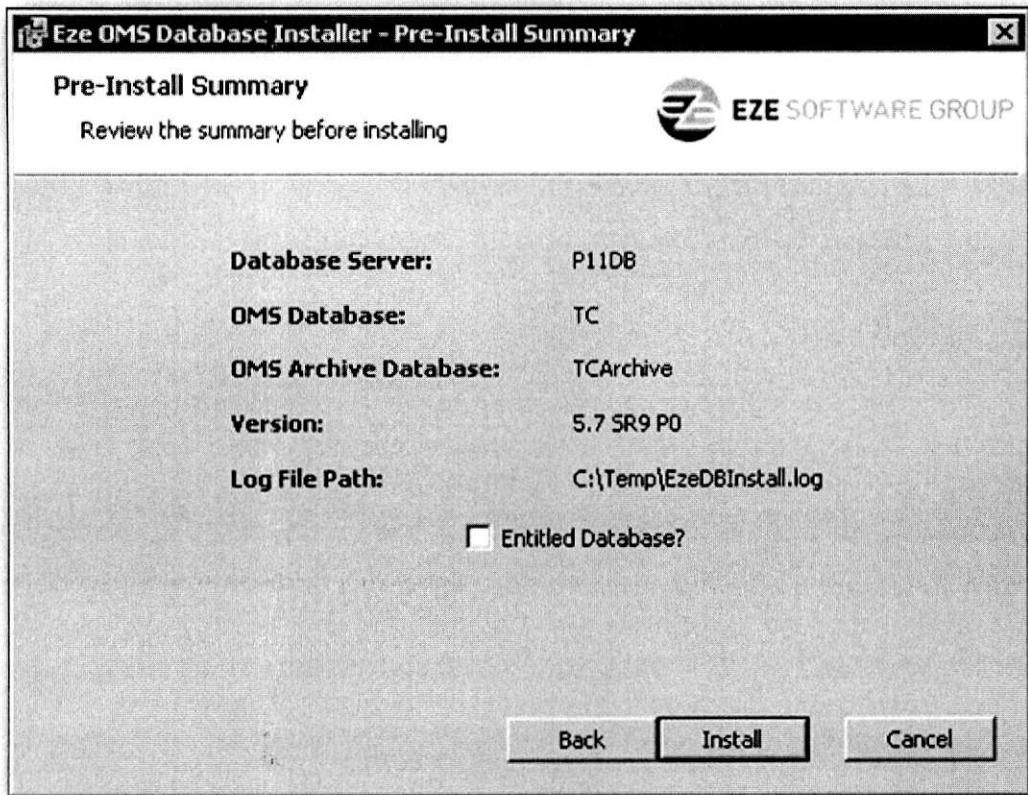
18. Enter the **Deployment Directory** location on the database server in which you want to install the SQL files for the Eze OMS.

The default location is **C:\Program Files (x86)\Eze Software Group\OMS Database Installer**.

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19. Click **Next**. The Pre-Installation summary window opens.



20. Verify that the information that appears in each summary field is correct.

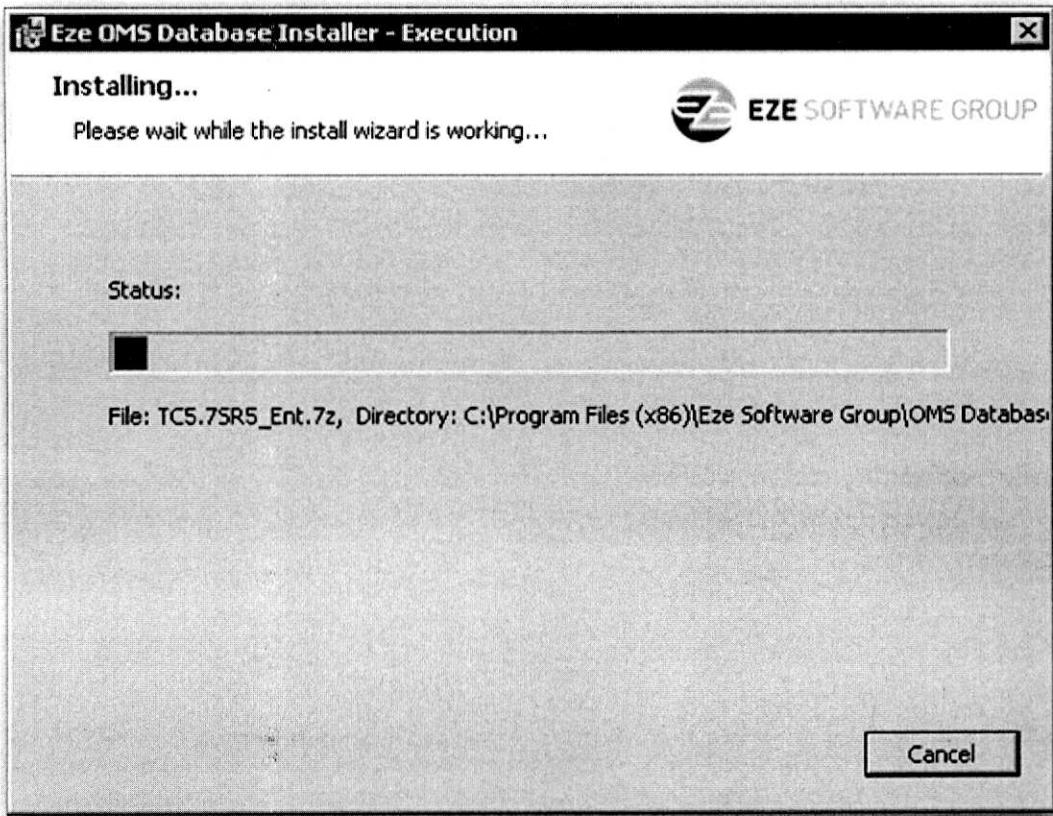
21. Depending on the type of installation, select one of the following:

- For new Eze OMS installations — Select **Entitled Database** for databases for which you want to use entitlement restrictions.
- For Eze OMS upgrades —
 - Select **Rollback to last successful patch on error?** to automatically roll back the current database component(s) being installed when an error occurs.
 - Select **Entitled Database** for databases for which you want to use entitlement restrictions.

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22. Click **Install**. The Install Progress Summary window opens.



If the system cannot take a Master Key Backup file, a dialog message appears, saying that the installer did not take the Backup of the Master Key file.

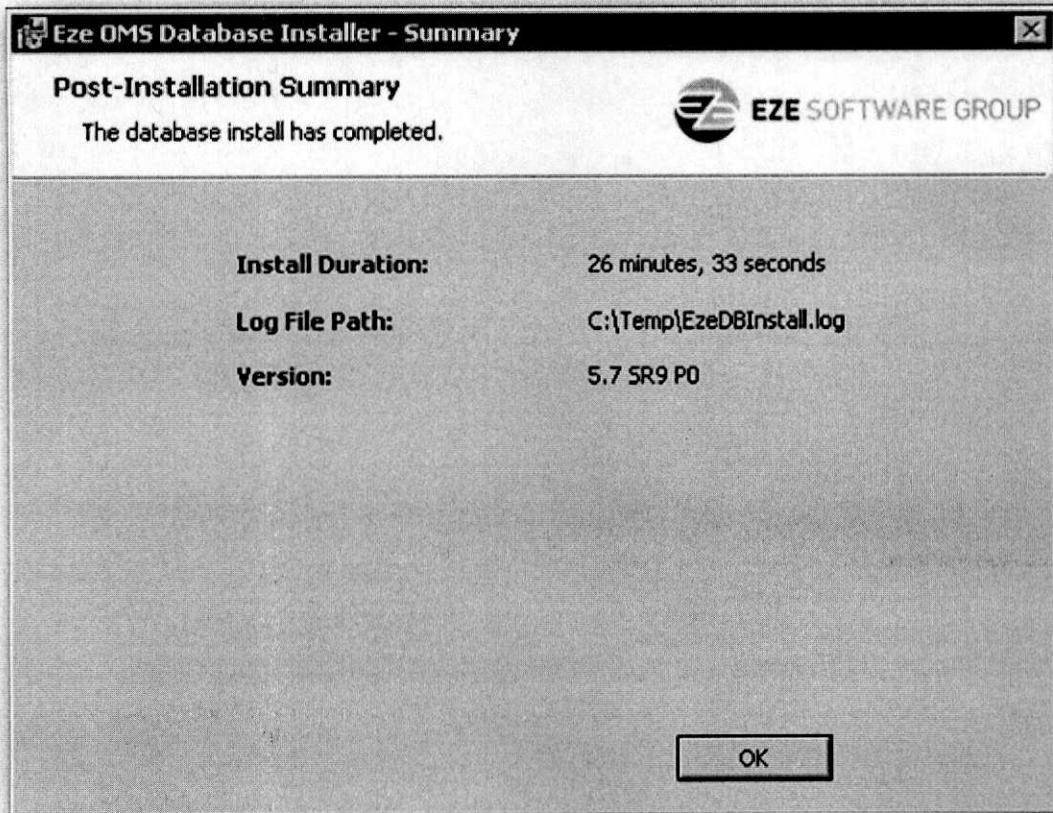
You can manually delete any existing Master Key Backup file and then click **Retry** in the dialog message to retry taking the Master Key Backup file as part of the installer, or click **Cancel** in the dialog message to continue without taking a Master Key Backup file.

If you click **Cancel**, you need to check that a Master Key Backup file already exists, or manually take a Master Key Backup file.

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23. When the installation is complete, the Post-Installation Summary window appears.



24. Click **Ok** to close the installer. The Eze OMS database server is configured.



Step 4: Enable the Trustworthy setting for the Eze OMS and Eze OMS Archive databases

If not already enabled, you need to enable the **Trustworthy** setting for both the Eze OMS and Eze OMS Archive databases.

To enable the setting for the Eze OMS database, run the following SQL statement on the database:

```
alter database TC  
set trustworthy on
```

To enable the setting for the Eze OMS Archive database, run the following SQL statement on the database:

```
alter database TCArchive  
set trustworthy on
```



Installation and Configuration — Application Server

Members of the Eze Product Specialist group are responsible for installing and configuring the application server components of the Eze OMS.



- Do not install the Eze OMS application server components unless you are a member of the Eze Product Specialist group.
- Ensure that the Eze OMS database server installation has been configured successfully before beginning application server installations.
- You need to install the Eze OMS on an application server operating Microsoft® Windows® Server 2008 R2 or later.
- All systems must have Microsoft .NET framework 4.5.2 installed.

Installing the Eze OMS on application servers involves the following steps:

- Step 1: Prepare to install — see the following section.
- Step 2: Download the Eze OMS application server InstallShield — See page 24
- Step 3: Run the Eze OMS application server InstallShield — See page 25
- Step 4: Configure multiple instances of the Analytics and Modeling services (optional) — See page 36



Step 1: Prepare to install

Before you begin installing Eze OMS components on application servers, you need to:

- Collect information required to complete the InstallShield — see the following section.
- Install missing third-party components — see the next page.

Collect information required to complete the InstallShield

The following information is required to complete the Eze OMS application server InstallShield:

- **Database Server** — Name of the SQL server that hosts the Eze OMS database.
- **Login ID** — SQL server user name with administrative privileges (for example, **SA**).
- **Password** — Password associated with the SQL server **Login ID**.



Install missing third-party components



All server machines must have Microsoft .NET framework 4.5.2 or higher installed before you run the server requirements check for missing third-party components.

To check for and install missing third-party components on an application server with InstallShield prompts:

1. Download the Server Req install file from the download location. **Eze_5.7SR10P18_ServerReqInstall.exe** from the following location:
<\\supportFTP\downloads.ezecastlesoftware.com\Builds\OfficialRelease\57\57SR10\57SR10P18>
2. Run the Server Req install file. **Eze_5.7SR10P18_ServerReqInstall.exe** on the application server.
3. Click **OK** to install the missing third-party components and complete the install program.

To silently (without InstallShield prompts) check for and install missing third-party components on an application server:

1. Download the Server Req install file from the download location. **Eze_5.7SR10P18_ServerReqInstall.exe** from the following location:
<\\supportFTP\downloads.ezecastlesoftware.com\Builds\OfficialRelease\57\57SR10\57SR10P18>
2. Open a Command Prompt as an Administrator on the application server and enter the directory where you downloaded the Server Req install file.
3. Run the Server Req install file. **Eze_5.7SR10P18_ServerReqInstall.exe** by entering a command with the following format:
Eze_5.7SRxPx_ServerReqInstall.exe /s



The install program creates a log file. The path to the log file appears in the Command Prompt once the installer finishes installing third-party components.



To access help when running the installer silently, enter **/?** after the installer name. For example:
Setup.exe /s/?

Step 2: Download the Eze OMS application server InstallShield

Download the **Eze_5.7SR10P18_Server_x64.exe** InstallShield on each application server.

The InstallShield is available in the following location:

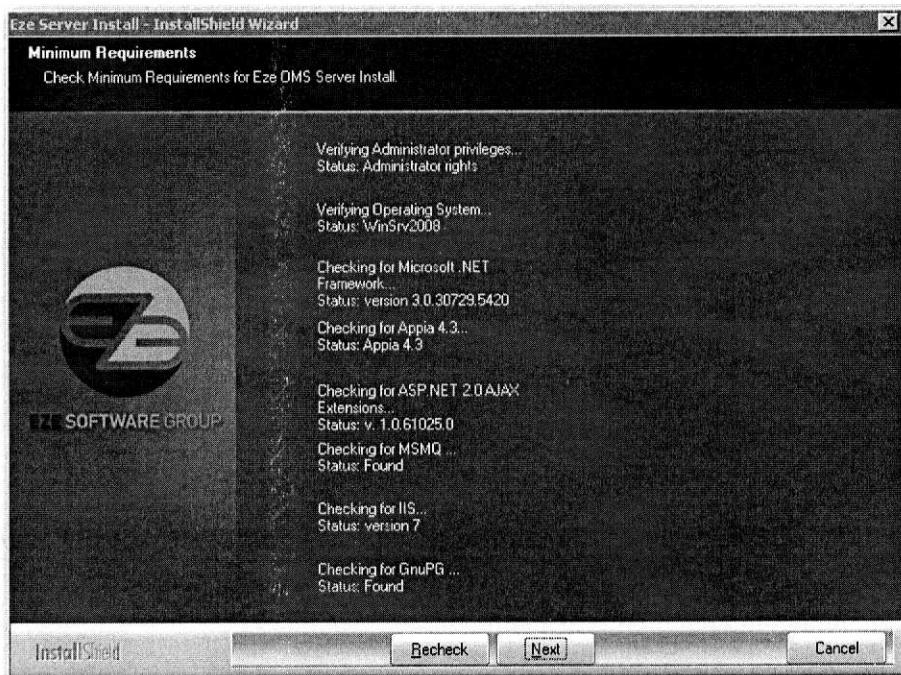
<\\supportFTP\downloads.ezecastlesoftware.com\Builds\OfficialRelease\57\57SR10\57SR10P18>



Step 3: Run the Eze OMS application server InstallShield

To install Eze OMS components on an application server with InstallShield prompts:

1. Open **Eze_5.7SR10P18_Server.exe** the InstallShield file on the application server. The InstallShield opens.
2. Click **Next**. The Minimum Requirements window opens.



If your system does not meet the minimum requirements, you need to update or reconfigure your system to meet them before continuing.

3. Click **Next**. You may be notified of missing installation requirements. You must update or install missing requirements before proceeding.

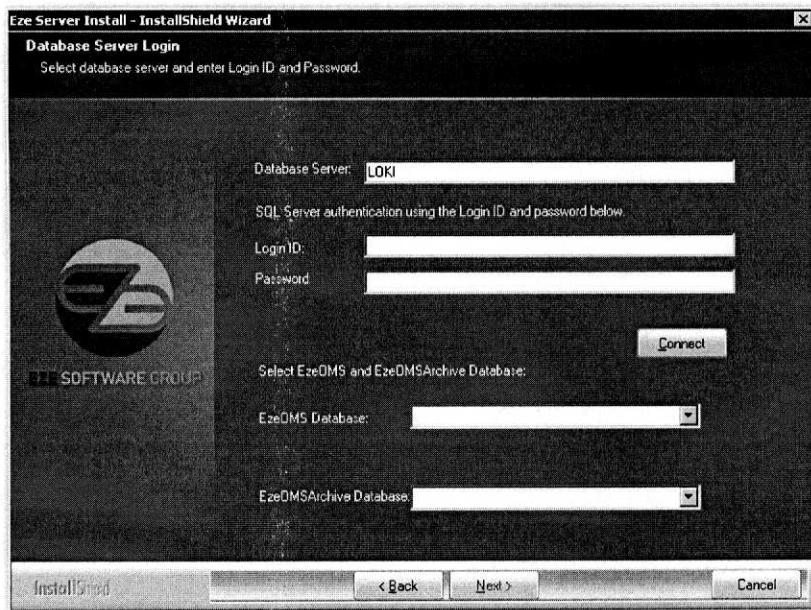


If you are upgrading to Eze OMS version 5.7 SR10 P8 or later and your system is configured to integrate RealTick EMS and Eze OMS, or so that your system retrieves market data from RealTick EMS, then your system must be configured with RealTick Server API version 4.0.0.22 or higher.

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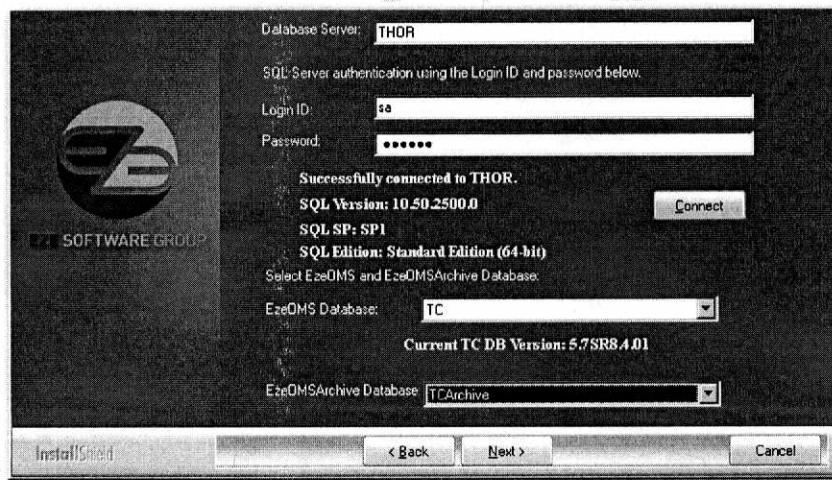
4. Click **Next**. The Database Server Login window opens.



5. Provide the following information:

- **Database Server** — Type the name of the SQL server on which the Eze OMS database is located.
- **Login ID** — Type a valid SQL server user name.
- **Password** — Type the password associated with the SQL server **Login ID**.

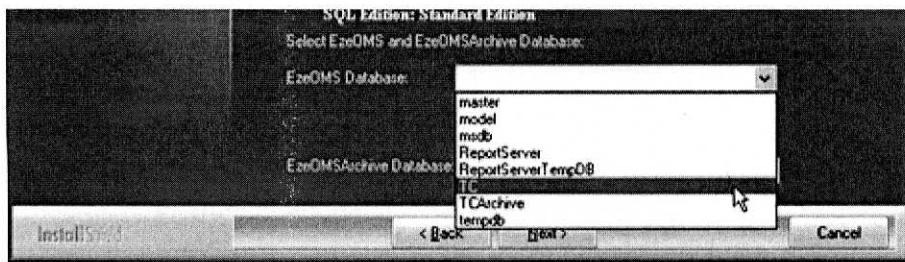
6. Click **Connect**. Details about the database connection appear in the Database Server Login window.



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7. Select the **EzeOMS Database** and **EzeOMSArchive Database**.



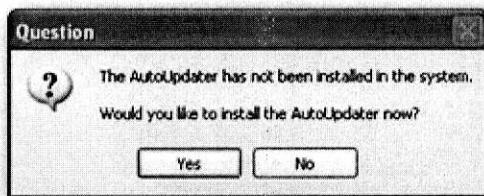
8. Click **Next**. The Destination Location window opens.

9. Select the location in which to install the Eze OMS server program files.

The default location is **C:\Program Files\Eze Castle Software**. To install in a different location, click **Browse**, navigate to the new location, and then click **OK**.

10. Click **Next**. The Setup Status window opens.

11. If Auto Updater is not already installed on the application server, you are prompted to install it.



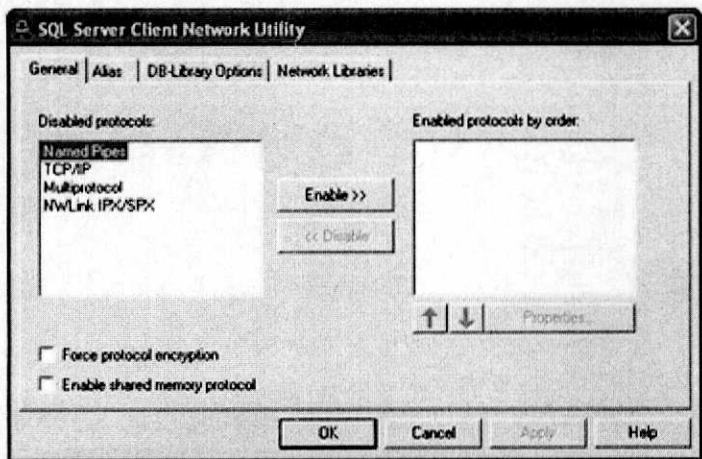
- To install Auto Updater on the client computer, click **Yes**.
- To continue installing the Eze OMS without installing Auto Updater, click **No**.

The SQL Server Client Network Utility window opens.

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12. On the **General** tab, review the settings, and click **Next**. The required files are copied to the application server, and the SQL server Client Network Utility window opens.
13. Select **Named Pipes** and **TCP/IP** in the **Disabled protocols** list and click **Enable** to add them to the **Enabled protocols by order** list.



14. Click **OK**. **ServerInstall.log** opens, displaying a list of the files installed.

15. Close **ServerInstall.log** to continue the installation.

16. Click **Finish** to complete the InstallShield.

To continue installing the Eze OMS, see Installation and Configuration — Client Computers. See page 39.

To configure the Eze OMS to use multiple instances of the Analytics and Modeling services, see Step 4: Configure multiple instances of the Analytics and Modeling services. See page 36.

**To silently install (without InstallShield prompts) Eze OMS components on an application server:**

1. (Optional) Configure the values described below in the ISS file:



You can run the silent install without entering information in the ISS file. Entering data in the ISS file before running the silent install allows the installer to access your data from one location.



Edit only the values described below. Do not edit the dialog section (labeled with "Dlg") or the result sections (labeled "Result=").

ISS File Field Descriptions

Field	Description	Default
TCDB	The name of the database on the client site	TC
TCARCHIVEDB	The name of the archive database on the client site	TCArchive
DBVERSION	The version of the installer you are installing	Mainline
SQLUSERNAME	The SA or administrative user name that you use to connect to the database	sa
SQLSERVER	The name of the server and the instance name	
SQLPASSWORD	The SQL server password	
TRUSTEDCONNECTION	Determines whether you are connecting SQL through a trusted connection. The values: <ul style="list-style-type: none">• 0 (default) — Enter 0 if you are not connecting through a trusted connection.• 1 — Enter 1 if you are connecting to a trusted connection.	0

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ISS File Field Descriptions – Cont.

Field	Description	Default
SQLCONNECTION	Determines whether you are using SQL Server authentication or Windows authentication to connect to SQL. The values: <ul style="list-style-type: none">• 0 — Enter 0 if you are using SQL Server authentication to connect to SQL.• 1 (default) — Enter 1 if you are using Windows authentication to connect to SQL.	1
SQLCONNECTION_OMS	Determines whether you are using SQL Server authentication or Windows authentication to connect to the OMS database. The values: <ul style="list-style-type: none">• 0 (default) — Enter 0 if you are using SQL Server authentication to connect to the OMS database.• 1 — Enter 1 if you are using Windows authentication to connect to the OMS database.	0
szDir	The installation directory	G:\Program Files (x86)\Eze Castle Software\
DriveLetter	The drive letter for a shared mapped drive	T
ShareName	The name of the share drive that will be exposed	Eze
SystemName	The system name of the share drive that will be exposed	autoUs
ShareUser	The user name used to create the share drive	
SharePassword	The password used to create the share drive	

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ISS File Field Descriptions – Cont.

Field	Description	Default
NoDriveMapping	Determines whether to use a mapped drive. The values: <ul style="list-style-type: none">• 0 (default) — Enter 0 if you want to use a shared mapped drive.• 1 — Enter 1 if you do not want to use a shared mapped drive.	0
Component-count	The number of components you are installing. If you alter the component list (Component-# described in the next row), you must ensure the " Component-count " number matches the number of components you are installing.	6
Component-#	The components to install during the installation. If you add or remove any components from this list, you must change the " Component-count " to match the number of components you are installing.	Component-0=Common Component-1=EzeOMS Component-2=EzeConnect Component-3=EzeCompliance Component-4=EzeExcel Component-5=EzeReport

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2. Open a command prompt as an Administrator and enter the directory where you downloaded the InstallShield file **Eze_5.7SR10P18_Server.exe**.
3. Run the InstallShield file **Eze_5.7SR10P18_Server.exe** on the application server from the Command Prompt by entering a command with the following format:

Eze_5.7SR10P18_Server.exe [InstallShield file name] /s



If you want the silent install to use the ISS file you configured, enter /f1 and the location and name of the ISS file. For example:

Eze_5.7SRXPX_Server.exe /s /f1"C:\OMSInstaller\setup.iss"



The install program creates a log file. The path to the log file appears in the Command Prompt once the installer finishes installing Eze OMS.



To access help when running the installer silently, enter **/?** after the installer name. For example:
Setup.exe /s /?

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4. Use the following commands to determine whether to bypass requirement checks:



MSI Property Names are case sensitive. Enter them exactly as they appear in the table below.



The Example Commands below are generic. Enter the directory, ISS file names, and Log file names as they appear in your directory.

MSI Property Descriptions

MSI Property Name	Description	Example Command
f1	<p>This switch allows you to specify the path to the ISS (silent install instructions) file. Always use the full path including the drive letter.</p> <p>This switch must appear before the /v"/qn switches.</p>	Setup.exe /s /f1"C:\OMSInstaller\setup.iss"
f2	<p>This switch specifies the output log file where the installer writes all information. Specify the full path to the log folder including the drive letter.</p> <p>This switch must appear before the /v"/qn switches.</p>	Setup.exe /s /f2 "C:\OMSInstaller\MyInstall.log"
/v"/Qn"	<p>These switches tell the installers to run in verbose mode (/v) and to silence all UI displays (/qn). Include the quote in the middle and the closing quote at the end of the line. If you use any additional quotes on the line they must be preceded by a \ (e.g. \"MySetting\").</p>	Setup.exe /s /v"/qn"

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MSI Property Descriptions – Cont.

<i>MSI Property Name</i>	<i>Description</i>	<i>Example Command</i>
OVERRIDEDOTNETCHECK	<p>Determines whether to bypass the .NET version check.</p> <p>The values:</p> <ul style="list-style-type: none">• True — Bypass the required .NET version check.• False — Do not bypass the required .NET version check.	Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn OVERRIDEDOTNETCHECK=TRUE
SUPPRESSREBOOT	<p>Determines whether to bypass the system reboot check.</p> <p>The values:</p> <ul style="list-style-type: none">• True — Bypass the system reboot check.• False — Prompts you to reboot before proceeding and stops the installation.	Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn SUPPRESSREBOOT=TRUE

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MSI Property Descriptions – Cont.

MSI Property Name	Description	Example Command
OVERRIDEREALTICKAPICHECK	Determines whether to bypass the RealTick API check. The values: <ul style="list-style-type: none">• True — Bypass the RealTick API check.• False — Do not bypass the RealTick API check.	Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn OVERRIDEREALTICKAPICHECK=TRUE"
KILLRUNNINGAPP	Determines whether to stop running open Eze applications. The values: <ul style="list-style-type: none">• True — Stops any running Eze applications before proceeding.• False — Stops the installation. Any open Eze applications keep running.	Setup.exe /s /f1"C:\OMSInstallers\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn KILLRUNNINGAPP=TRUE"



You can combine multiple bypass commands by using multiple **/v** clauses or multiple property inputs.

For example:

Multiple /v clauses: Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn OVERRIDEOTNETCHECK=TRUE" /v"/qn SUPPRESSREBOOT=TRUE"

Multiple property inputs: Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn OVERRIDEOTNETCHECK=TRUE SUPPRESSREBOOT=TRUE"

To continue installing the Eze OMS, see [Installation and Configuration — Client Computers](#). See page 39.

To configure the Eze OMS to use multiple instances of the Analytics and Modeling services, see [Step 4: Configure multiple instances of the Analytics and Modeling services](#) on the next page.



Step 4: Configure multiple instances of the Analytics and Modeling services

If you create multiple service instances during the application installation, then you need to perform the following steps to configure each instance.

Step 1: Configure the users associated with a particular instance

1. In Configuration Console, click **Multi-Instance Configuration** in the toolbar. The Multi-Instance Configuration window opens.
2. Click **Add New** to create a new configuration.
3. Select the **Service** with which you want to associate the user(s). For example, **Eze.Analytics.Svc**.
4. Select the **Instance Type**.
 - **Instance Type** is the type of component for which the service will provide data, updates, and processing functionality. The options:
 - **ModelingGrid** — The service provides data, updates, and processing functionality to modeling-enabled Portfolio Management grids.
 - **AnalyticsGrid** — The service provides data, updates, and processing functionality to Portfolio Management grids for which modeling functionality is not enabled.
5. Select the specific **Service Instance** with which you want to associate the user(s). The **Service Instance** determines the **Process Path** and **Port Number** used and is configured in the Service Controller window.
6. Select from the **Users** list the user(s) you want to associate with the instance and click the right arrow to move the users to the associations list.
7. Click **OK**.

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- You can associate the same **Instance Type** with more than one **Service Instance** but with different users. For example, you want **User 1** to use the **PrimaryAnalytics** service instance for modeling-enabled Portfolio Management grids (**Instance Type** is **ModelingGrid**), but you want **User 2** to use the **SecondaryAnalytics** service for the same grids. You then create the following configurations in the Multi-Instance Configuration window:

Service	Instance Type	Service Instance	User Name
Eze.Analytics.Svc	ModelingGrid	PrimaryAnalytics	User 1
Eze.Analytics.Svc	ModelingGrid	SecondaryAnalytics	User 2

- If you disable modeling functionality for a Portfolio Management grid that consumes a particular Analytics service instance (changing a **ModelingGrid** instance type to an **AnalyticsGrid** instance type), then it continues to consume that instance. However, if you enable modeling functionality for a Portfolio Management grid, then the grid begins to consume the Analytics service instance associated with the **ModelingGrid** instance type.

Step 2: Configure the NonFlashingCellAlertServerInstance setting to define the Analytics service instance that generates non-FlashCell alerts

You need to define the Analytics service instance that handles the evaluation of Portfolio Management alerts with the following **Alert Type** values:

- **Bubble**
- **E-mail**
- **Pop-up**
- **Event-Log**



FlashCell alerts are generated by the Analytics service instance associated with the Portfolio Management grid in which the alert occurs.

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The **NonFlashingCellAlertServerInstance** setting in the **Pulse** folder of the Eze OMS Settings Browser determines which Analytics service instance handles the evaluation of non-**FlashCell** alerts. The following table describes the **NonFlashingCellAlertServerInstance** setting.

Setting Name	NonFlashingCellAlertServerInstance
Location	Eze OMS Settings Browser > Pulse
Description	The Analytics service instance that handles the evaluation of alerts with the following Alert Type values when the system is configured to use multiple instances of the Analytics service: <ul style="list-style-type: none">• Bubble• E-mail• Pop-up• Event-Log <ul style="list-style-type: none">• The NonFlashingCellAlertServerInstance value must match the service instance name configured in Configuration Console.• If the system is configured to use multiple instances of the Analytics service and no NonFlashingCellAlertServerInstance value is defined, then multiple notifications may appear for the same alert.

To continue installing the Eze OMS, see [Installation and Configuration — Client Computers](#) on the next page.



Installation and Configuration — Client Computers

Eze Engagement Managers are responsible for installing and configuring the Eze OMS on client computers.



- Do not install the Eze OMS on client computers unless you are an Eze Engagement Managers.
- Ensure that both the database server and application server installations have been completed before beginning client computer installations.
- All systems must have Microsoft .NET framework 4.5.2 or later installed.

Installing the Eze OMS on client computers involves the following steps:

- Step 1: Prepare to install — see the following section.
- Step 2: Download the Eze OMS client computer InstallShield — See page 43
- Step 3: Run the Eze OMS client computer InstallShield — See page 43
- Step 4: Map the network drive for users without Local Administrator rights — See page 60



Step 1: Prepare to install

Before you begin installing Eze OMS components on client computers, you need to:

- Collect information required to complete the InstallShield — see the following section.
- Install missing third-party components — see the following section.
- Close applications that could interfere with the installation — See page 42
- Disable Windows User Account Control (depending on AT plug-ins version) — See page 42
- Install self-signed database server certificate — See page 42

Collect information required to complete the InstallShield

The following information is required to complete the Eze OMS client computer InstallShield:

- **Database Server Name** — Name of the SQL server that hosts the Eze OMS database.
- **SQL Server login ID** — SQL server user name.
- **SQL Server password** — Password associated with the **SQL Server login ID**.
- **SA Password** — If you need the ability to create new SQL user accounts when logging on to the Eze OMS, then you need to provide a system administrator password.



Install missing third-party components



All client machines must have Microsoft .NET framework 4.5.2 and Microsoft Windows 7® SP1 or higher installed before you run the client requirements check for missing third-party components.

To check for and install missing third-party components on a client computer with InstallShield prompts:

1. Download the ClientReqInstall file from the download location. **Eze_5.7SR10P18_ClientReqInstall.exe** InstallShield from the following location:
<\\supportFTP\downloads.ezecastlesoftware.com\Builds\OfficialRelease\57\57SR10\57SR10P18>
2. Run the ClientReqInstall **Eze_5.7SR10P18_ClientReqInstall.exe** on the client computer.
3. Click **OK** to install the missing third-party components and complete the install program.

To silently (without InstallShield prompts) check for and install missing third-party components on a client computer:

1. Download the ClientReqInstall file from the download location. **Eze_5.7SR10P18_ClientReqInstall.exe** from the following location:
<\\supportFTP\downloads.ezecastlesoftware.com\Builds\OfficialRelease\57\57SR10\57SR10P18>
2. Open a Command Prompt as an Administrator on the client computer and enter the directory where you downloaded the ClientReqInstall file **Eze_5.7SR10P18_ClientReqInstall.exe**.
3. Run the ClientReqInstall file **Eze_5.7SR10P18_ClientReqInstall.exe** by entering a command with the following format:

Eze_5.7SRxPx_ClientReqInstall.exe /s



The install program creates a log file. The path to the log file appears in the Command Prompt once the installer finishes installing third-party components.



To access help when running the installer silently, enter **/?** after the installer name. For example:
Setup.exe /s/?



Close applications that could interfere with the installation

Before you install the Eze OMS, you need to close any applications that could interfere with the installation. It is recommended that you close all applications before beginning the installation.



If the InstallShield warns you that **hhcontrol.ocx** needs to be closed before you can proceed, ensure that PGP and WinZip are not open in the Windows® notification area.

Disable Windows User Account Control (depending on Advanced Trading Plug-ins version)

If your system is configured to use Advanced Trading Plug-ins version 2.39 or earlier, then you need to disable User Account Control (UAC) on Eze OMS client computers.

Example process for disabling UAC on Windows 7:

1. In the **User Accounts** area of the Windows Control Panel, click **Turn User Account Control (UAC) on or off**. A dialog box appears.
2. Clear the **Use User Account Control (UAC) to help protect your computer** check box and click **OK**.

Install self-signed database server certificate

To enable TradeWinds client to connect to the Eze database server via a secure socket layer (SSL), you need to install the Eze database server self-signed certificate on client computers.

The requirement that TradeWinds client on client computers connects to Eze database servers via SSL is enabled by default.

To disable this requirement (not recommended), you need to set the following Microsoft Windows Registry settings to 0 on TradeWinds client computer:

- For 32-bit systems: ...\\SOFTWARE\\Eze Castle Software\\DB\\DataEncryption\\Tradewinds
- For 64-bit systems: ...HKEY_LOCAL_MACHINE\\Wow6432Node\\SOFTWARE\\Eze Castle Software\\DB\\DataEncryption\\Tradewinds



Step 2: Download the Eze OMS client InstallShield

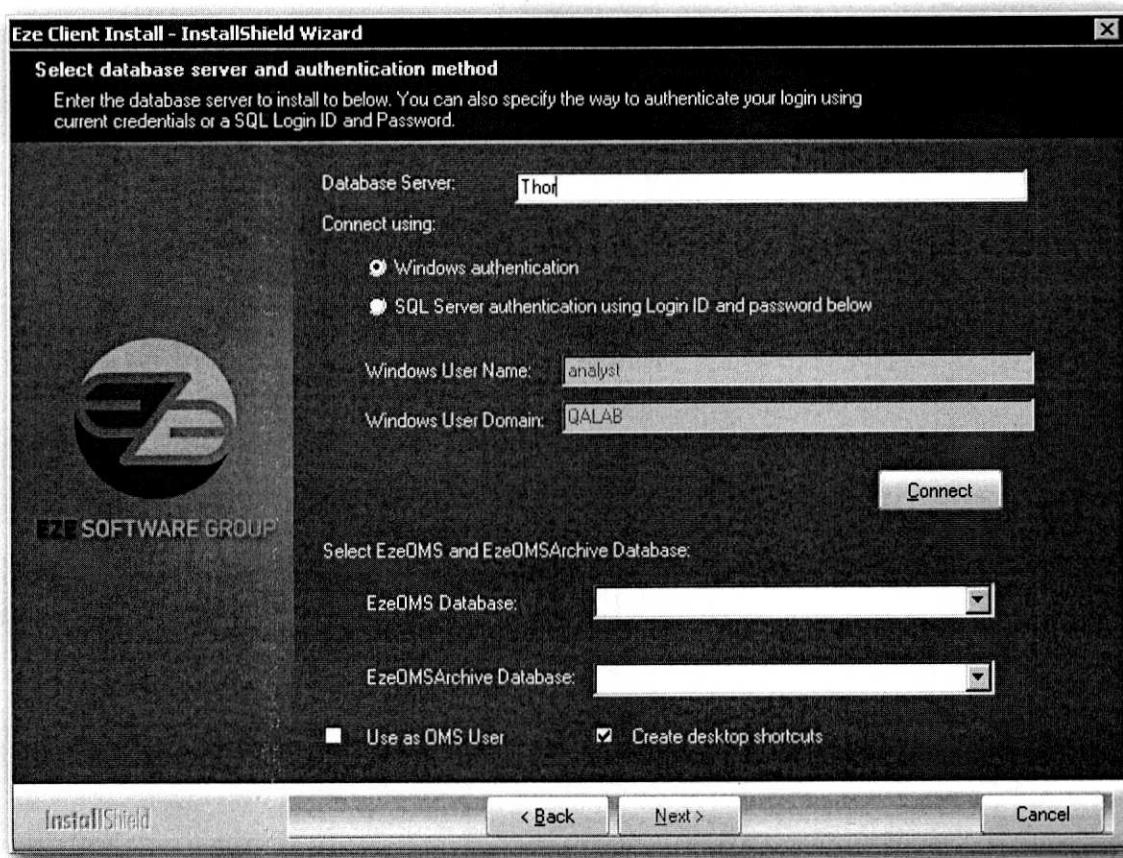
Save the InstallShield, **Eze_5.7SR10P18_Client.exe**, on each client computer. The InstallShield is available in the following location:

<\\supportFTP\downloads.ezecastlesoftware.com\Builds\OfficialRelease\57\57SR10\57SR10P18>

Step 3: Run the Eze OMS client InstallShield

To install the Eze OMS on a client computer with InstallShield prompts:

1. Open the InstallShield **Eze_5.7SR10P18_Client.exe** on the client computer. The InstallShield opens.
2. Click **Next**. The Authentication window opens.



3. In the **Database Server** text box, enter the name of the server that hosts the Eze OMS database.

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4. Select an authentication method and provide the necessary authentication information.
- **Windows authentication** — Select this option if the user name and password for the current Windows user account match the user name and password used to log on to the Eze OMS database.

Connect using:

Windows authentication
 SQL Server authentication using Login ID and password below

Windows User Name: analyst

Windows User Domain: QALAB

Connect

- **SQL Server authentication using Login ID and password below** — Select this option if the SQL user names and passwords are not linked to Windows user accounts.

Connect using:

Windows authentication
 SQL Server authentication using Login ID and password below

SQL Login ID: [redacted]

SQL Password: [redacted]

Connect

5. Click **Connect**. The system connects to the Eze OMS database.

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6. Select values from the **EzeOMS Database** and **EzeOMSArchive Database** drop-down lists.
7. If you want desktop shortcuts to be created during the installation process, check the **Create desktop shortcuts** check box.

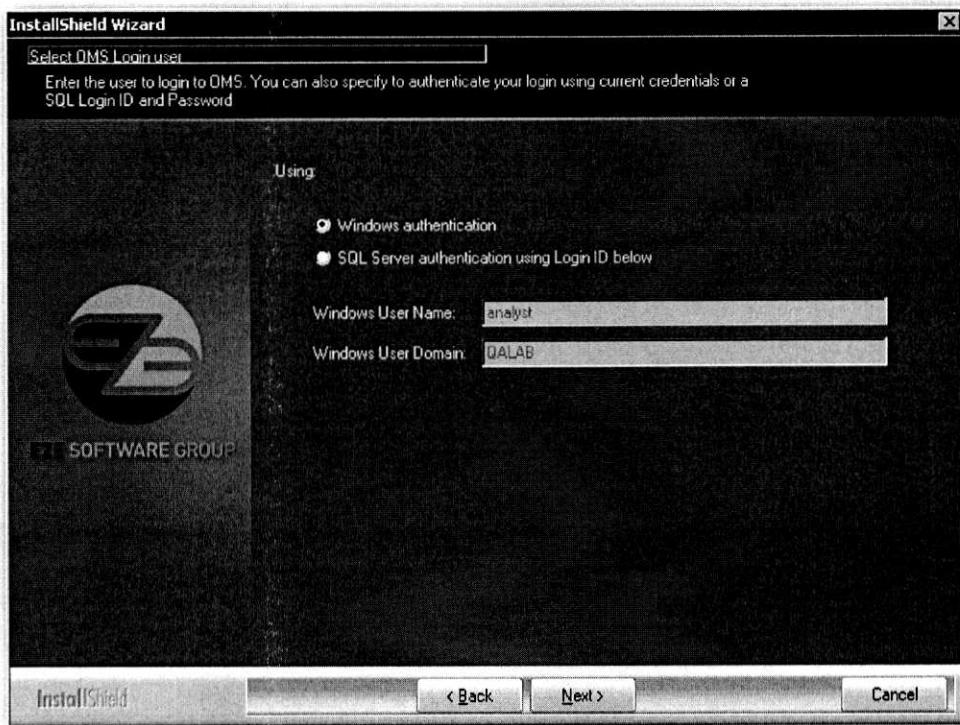


Regardless of whether or not you select this check box, shortcuts for Eze applications are created in the start menu on the client computer (Start menu > **All Programs** > **Eze Software** folder).

8. If you want to connect using values configured in the **TC.INI** file, check the **Use as OMS User** check box and skip steps **9** and **10**.
9. Click **Next**. The Select OMS Login user window opens, shown below.



This window does not appear if you selected the **Use as OMS User** check box in step **8**.

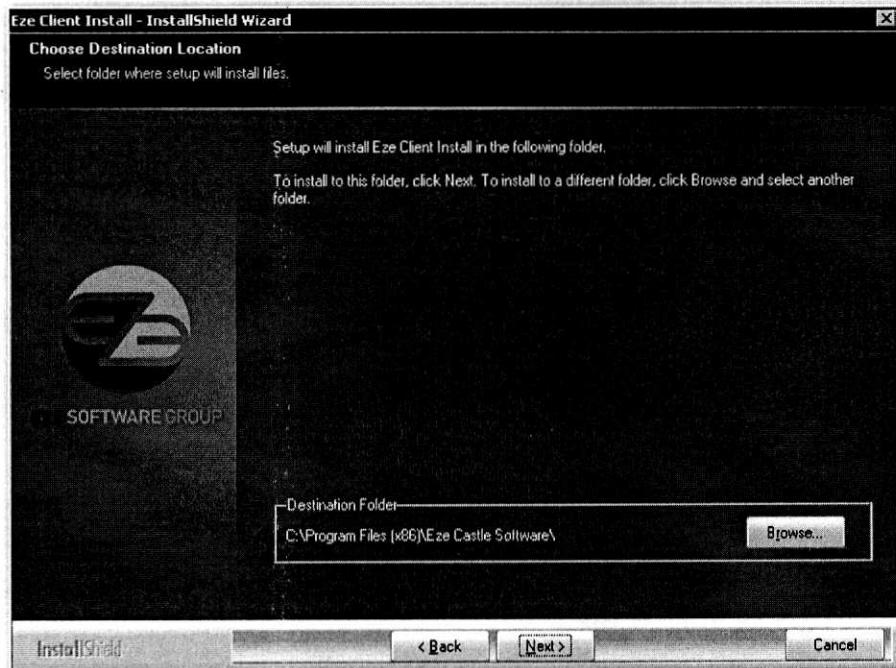


10. In the Select OMS Login user window, select the option you'd like to use to log into Eze OMS and, if required, enter credentials.

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11. Click **Next**. The Choose Destination Location window opens.



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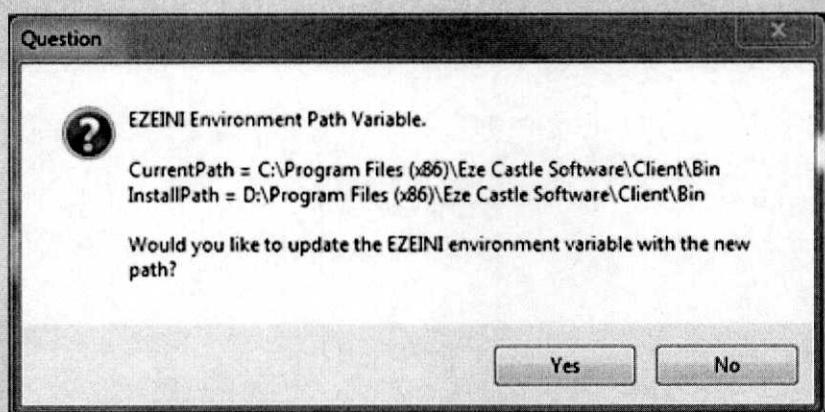


12. Select the location where you want to install the Eze OMS client program files.

The default location is **C:\Program Files\Eze Castle Software**. To install in a different location, click **Browse**, navigate to the new location, and click **OK**.



If you install the Eze OMS client program files in a location which is different from the previous installation, the EZEINI Environment Path Variable window appears.

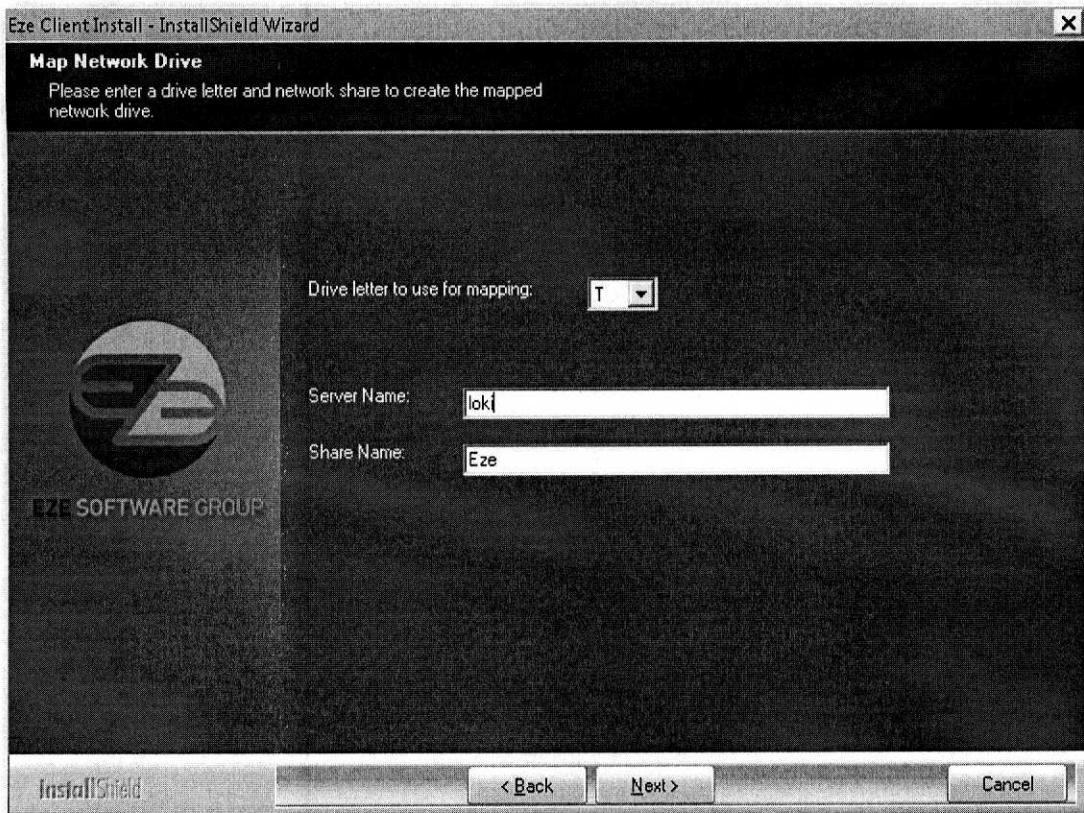


To update the EZEINI Environment Path Variable with the new installation path, select **Yes**.

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13. Click **Next**. The Map Network Drive window opens.

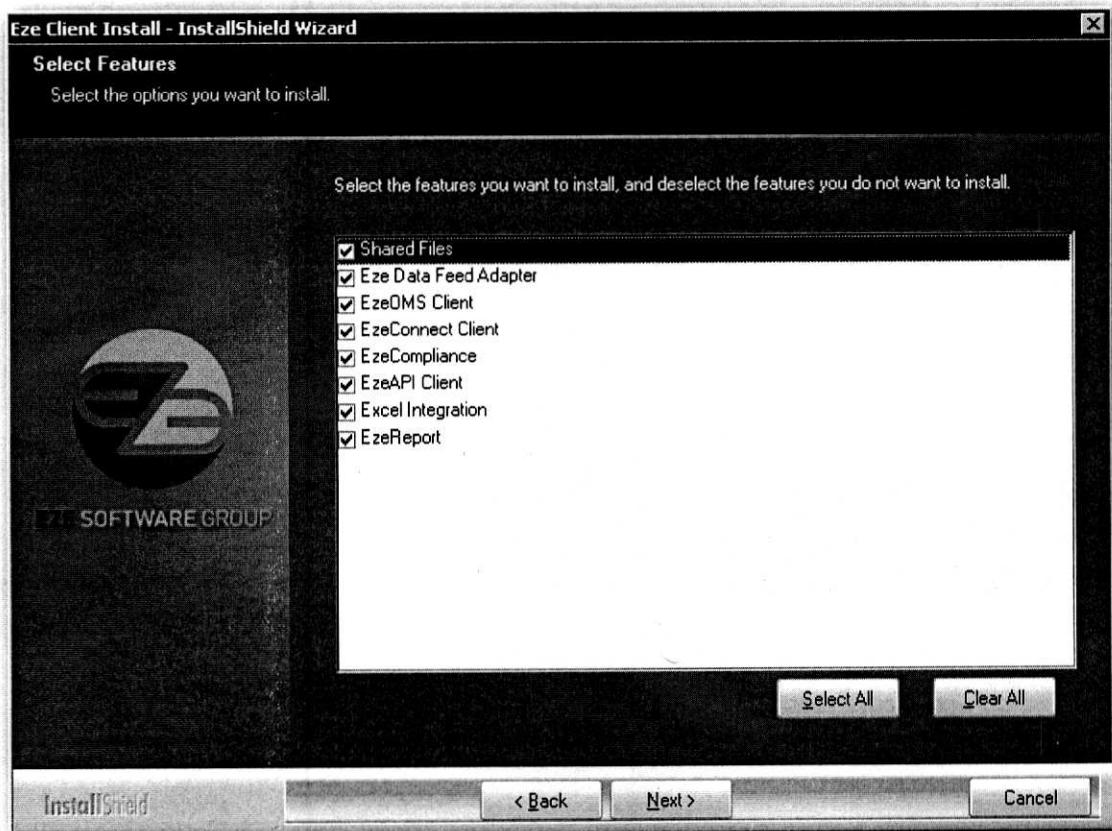


14. From the **Drive letter to use for mapping** drop-down list, select a drive letter to which you want to map the shared Eze OMS files folder, located on the application server. The default drive letter is **T**.
15. In the **Server Name** text box, type the name of the application server.
16. In the **Share Name** text box, type the name of the folder that contains the shared Eze OMS files on the application server. The default **Share Name** is **Eze**.

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17. Click **Next**. The Select Features window opens.

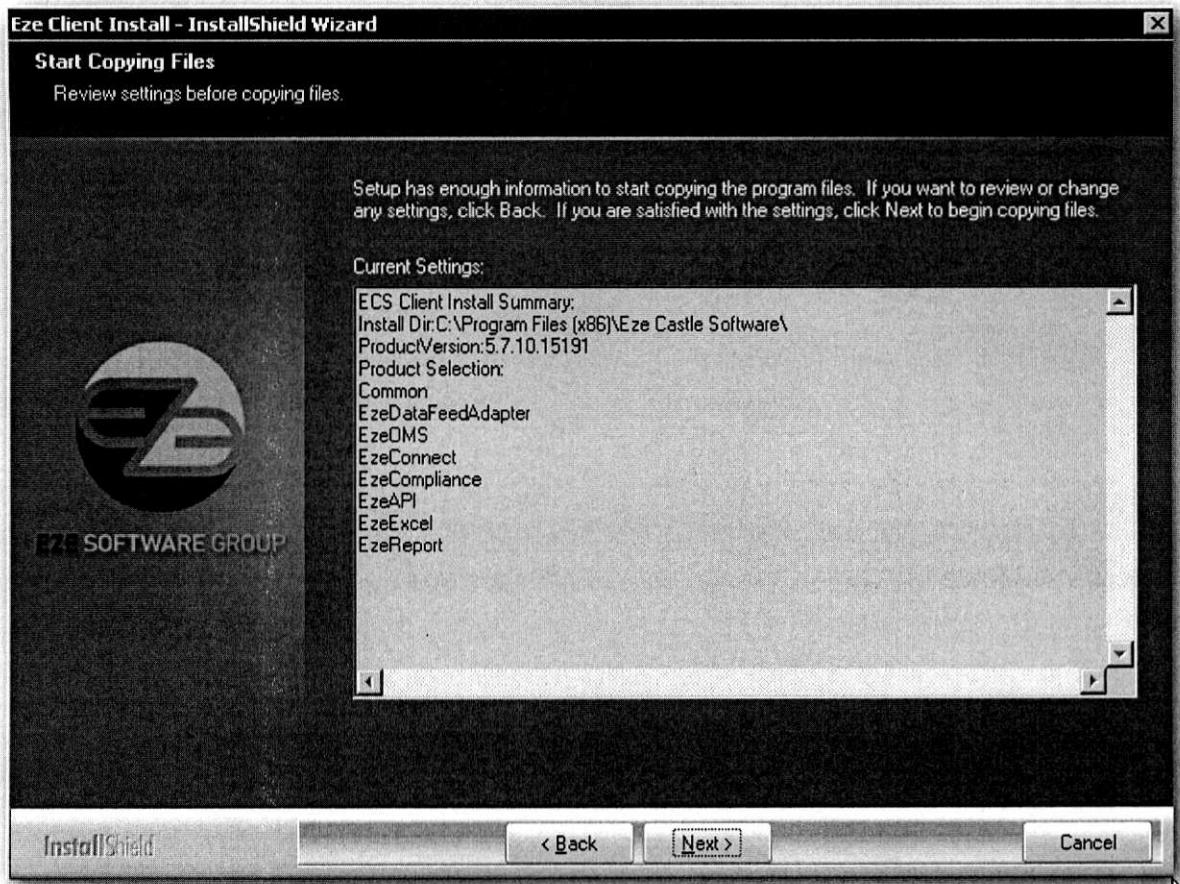


18. Select the Eze OMS components you want to install on the client computer.

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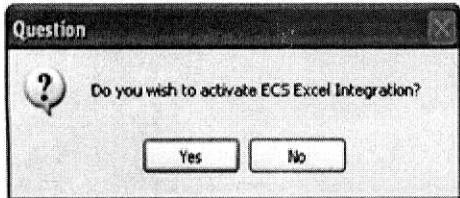
19. Click **Next**. The Install Summary window opens.



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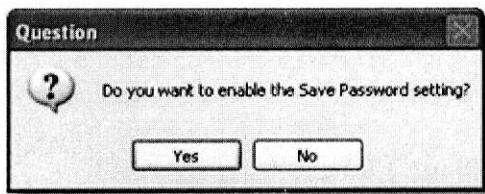


20. Click **Next**. You are prompted to activate the Eze OMS integration with Microsoft Excel.



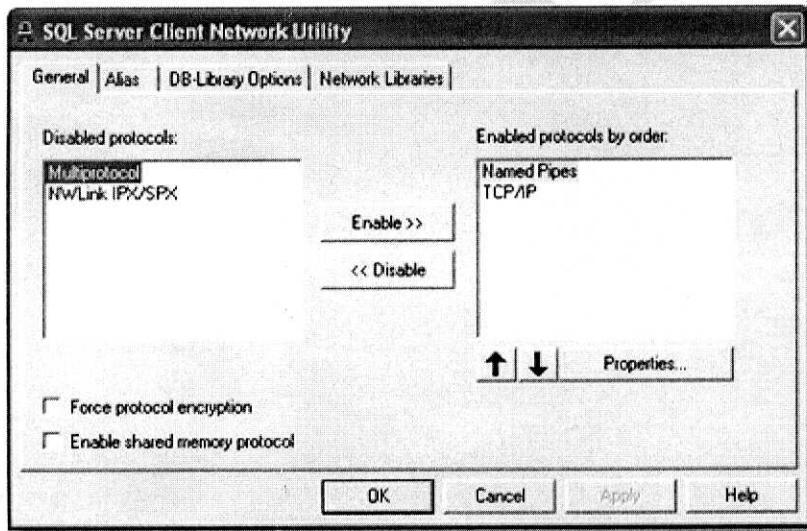
- If you want to activate Eze Excel Integration, click **Yes**.
- If you do not want to enable Eze Excel Integration, click **No**.

21. Click **Next**. You are prompted to enable or disable the save password setting.



- If you want the system to automatically supply the user's password when logging on to the Eze OMS, click **Yes**.
- If you do not want the system to automatically supply the user's password, click **No**.

The SQL Server Client Network Utility window opens.

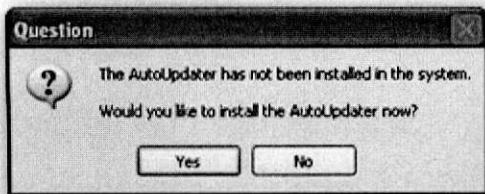


22. On the **General** tab, select **Named Pipes** and **TCP/IP** in the **Disabled protocols** list and click **Enable** to add them to the **Enabled protocols by order** list.

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23. Click **OK**. If Auto Updater is not already installed on the client computer, you are prompted to install it.



- To install Auto Updater on the client computer, click **Yes**.
- To continue installing the Eze OMS without installing Auto Updater, click **No**.

The InstallShield installs the Eze OMS on the client computer, and then the InstallShield Wizard Complete window opens.

24. Click **Finish** to complete the Eze OMS client installation. The **ClientInstall.log** opens, displaying a list of the files installed.

**To silently install (without InstallShield prompts) the Eze OMS on a client computer:**

1. (Optional) Configure the values described below in the ISS file:



You can run the silent install without entering information in the ISS file. Entering data in the ISS file before running the silent install allows the installer to access your data from one location.



Edit only the values described below. Do not edit the dialog section (labeled with "Dlg") or the result sections (labeled "Result=").

ISS File Field Descriptions

Field	Description	Default
TCDB	The name of the database on the client site	TC
TCARCHIVEDB	The name of the archive database on the client site	TCArchive
DBVERSION	The version of the installer you are installing	Mainline
SQLUSERNAME	The SA or administrative user name that you use to connect to the database	sa
SQLSERVER	The name of the server and the instance name	
SQLPASSWORD	The SQL server password	
TRUSTEDCONNECTION	Determines whether you are connecting SQL through a trusted connection. The values: <ul style="list-style-type: none">• 0 (default) — Enter 0 if you are not connecting through a trusted connection.• 1 — Enter 1 if you are connecting to a trusted connection.	0

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ISS File Field Descriptions – Cont.

Field	Description	Default
SQLCONNECTION	Determines whether you are using SQL Server authentication or Windows authentication to connect to SQL. The values: <ul style="list-style-type: none">• 0 — Enter 0 if you are using SQL Server authentication to connect to SQL.• 1 (default) — Enter 1 if you are using Windows authentication to connect to SQL.	1
SQLCONNECTION_OMS	Determines whether you are using SQL Server authentication or Windows authentication to connect to the OMS database. The values: <ul style="list-style-type: none">• 0 (default) — Enter 0 if you are using SQL Server authentication to connect to the OMS database.• 1 — Enter 1 if you are using Windows authentication to connect to the OMS database.	0
szDir	The installation directory	G:\Program Files (x86)\Eze Castle Software\
DriveLetter	The drive letter for a shared mapped drive	T
ShareName	The name of the share drive that will be exposed	Eze
SystemName	The system name of the share drive that will be exposed	autoUs
ShareUser	The user name used to create the share drive	
SharePassword	The password used to create the share drive	

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ISS File Field Descriptions – Cont.

Field	Description	Default
NoDriveMapping	Determines whether to use a mapped drive. The values: <ul style="list-style-type: none">• 0 (default) — Enter 0 if you want to use a shared mapped drive.• 1 — Enter 1 if you do not want to use a shared mapped drive.	0
Component-count	The number of components you are installing. If you alter the component list (Component-# described in the next row), you must ensure the " Component-count " number matches the number of components you are installing.	6
Component-#	The components to install during the installation. If you add or remove any components from this list, you must change the " Component-count " to match the number of components you are installing.	Component-0=Common Component-1=EzeOMS Component-2=EzeConnect Component-3=EzeCompliance Component-4=EzeExcel Component-5=EzeReport

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2. Open a command prompt as an Administrator and enter the directory where you downloaded the InstallShield **Eze_5.7SR10P18_Client.exe**.
3. Run the InstallShield **Eze_5.7SR10P18_Client.exe** on the client computer from the Command Prompt by entering a command with the following format:

Eze_5.7SRxPx_Client.exe /s



If you want the silent install to use the ISS file you configured, enter /f1 and the location and name of the ISS file. For example:

Eze_5.7SRxPx_Client.exe /s /f1 "C:\OMSInstaller\setup.iss"



The install program creates a log file. The path to the log file appears in the Command Prompt once the installer finishes installing Eze OMS.



To access help when running the installer silently, enter **/?** after the installer name. For example:
Setup.exe /s/?

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5. Use the following commands to determine whether to perform actions, including bypassing requirement checks, during the installation:



MSI Property Names are case sensitive. Enter them exactly as they appear in the table below.



The Example Commands below are generic. Enter the directory, ISS file names, and Log file names as they appear in your directory.

MSI Property Descriptions		
MSI Property Name	Description	Example Command
f1	<p>This switch allows you to specify the path to the ISS (silent install instructions) file. Always use the full path including the drive letter.</p> <p>This switch must appear before the /v"/qn switches.</p>	Setup.exe /s /f1"C:\OMSInstaller\setup.iss"
f2	<p>This switch specifies the output log file where the installer writes all information. Specify the full path to the log folder including the drive letter.</p> <p>This switch must appear before the /v"/qn switches.</p>	Setup.exe /s /f2 "C:\OMSInstaller\MyInstall.log"
/v"/Qn"	<p>These switches tell the installers to run in verbose mode (/v) and to silence all UI displays (/qn). Include the quote in the middle and the closing quote at the end of the line. If you use any additional quotes on the line they must be preceded by a \ (e.g. \\"MySetting\\").</p>	Setup.exe /s /v"/qn"

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MSI Property Descriptions – Cont.

MSI Property Name	Description	Example Command
OVERRIDEDOTNETCHECK	Determines whether to bypass the .NET version check. The values: <ul style="list-style-type: none">• True — Bypass the required .NET version check.• False — Do not bypass the required .NET version check.	Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn OVERRIDEDOTNETCHECK=TRUE"
SUPPRESSREBOOT	Determines whether to bypass the system reboot check. The values: <ul style="list-style-type: none">• True — Bypass the system reboot check.• False — Prompts you to reboot before proceeding and stops the installation.	Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn SUPPRESSREBOOT=TRUE"
CREATEDesktopShortcut	Determines whether to create desktop shortcuts for Eze applications on the client computer. The values: <ul style="list-style-type: none">• True — Desktop shortcuts are created.• False — Desktop shortcuts are not created	Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn CREATEDesktopShortcut=TRUE"

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MSI Property Descriptions – Cont.

MSI Property Name	Description	Example Command
OVERRIDEREALTICKAPICHECK	Determines whether to bypass the RealTick API check. The values: <ul style="list-style-type: none">• True — Bypass the RealTick API check.• False — Do not bypass the RealTick API check.	Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn OVERRIDEREALTICKAPICHECK=TRUE"
KILLRUNNINGAPP	Determines whether to stop running open Eze applications. The values: <ul style="list-style-type: none">• True — Stops any running Eze applications before proceeding.• False — Stops the installation. Any open Eze applications keep running.	Setup.exe /s /f1"C:\OMSInstallers\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn KILLRUNNINGAPP=TRUE"



You can combine multiple bypass commands by using multiple **/v** clauses or multiple property inputs.

For example:

Multiple /v clauses: Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn OVERRIDEOTNETCHECK=TRUE" /v"/qn SUPPRESSREBOOT=TRUE"

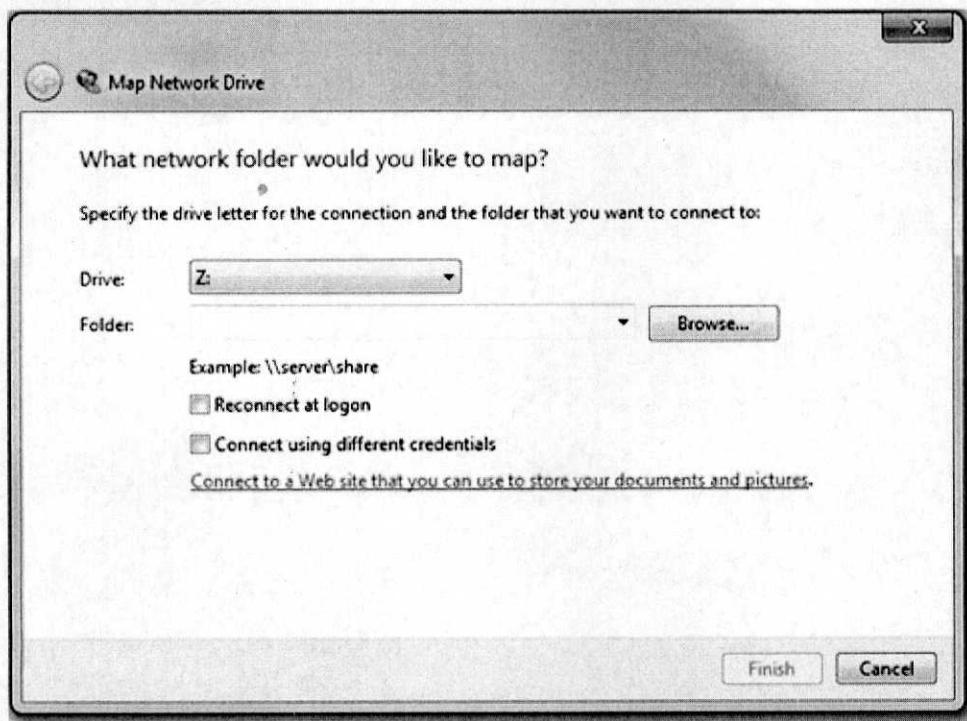
Multiple property inputs: Setup.exe /s /f1"C:\OMSInstaller\setup.iss" /f2"C:\OMSInstaller\setup_log.txt" /v"/qn OVERRIDEOTNETCHECK=TRUE SUPPRESSREBOOT=TRUE"



Step 4: Map the network drive for users without Local Administrator rights

To map the network drive for users without Local Administrator rights:

1. Log on to the client computer as a user without local administrator rights.
2. Click **Start**, then click **Computer**. The Windows Explorer opens.
3. Click **Map Network Drive** on the toolbar. The Map Network Drive window opens.



4. From the **Drive** drop-down list, select the drive letter to which you mapped the shared Eze OMS files folder.
5. Click **Browse** to navigate to the folder that contains the shared Eze OMS files on the application server.
6. Select **Reconnect at logon**.
7. Click **Finish**.