



Sitecore Ecommerce Enterprise Edition

Installation Guide

Installation guide for administrators and developers

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Chapter 1 Introduction

This document describes the installation process for Sitecore Ecommerce Enterprise Edition and the Nicam Demo site. This document assumes that the web server and the database server are the same machine.

The installation of the Nicam Demo site is distributed as an executable installation program. This program contains an installation wizard which will guide the user through the installation process.

After the Nicam Demo site has been installed, the Enterprise Ecommerce Management Console and its database will need to be manually installed and configured. This document details the installation and configuration of these components at length.

1.1 Preparing to Install Sitecore Ecommerce Enterprise Edition

Before attempting to install Sitecore Ecommerce Enterprise Edition and its components, the user should determine the following:

- Site name
- Target installation file system root, for instance C:\inetpub\wwwroot\SiteName
- Database Server
- Location of Sitecore Ecommerce Enterprise Edition license file
- Administrative access to computers and databases
- Meet minimum server hardware and software requirements for Sitecore 6 and Ecommerce Enterprise Edition

Note: More information regarding the hardware and software requirements for servers running Sitecore 6 is available through the Sitecore Developer Network

1.2 Required Installation Components

- **License.xml** – Sitecore License file
- **NicamDemo_v.1.0.4rev.090728.exe** – Nicam Demo site executable installer
- **SitecoreEnterpriseCommerceInstall.zip** – Sitecore Ecommerce Enterprise Edition database and Management Console installation package

1.3 Sitecore Ecommerce Enterprise Edition Server Requirements

In addition to meeting the hardware and software requirements for Sitecore 6, the Sitecore Ecommerce Enterprise Edition server requires:

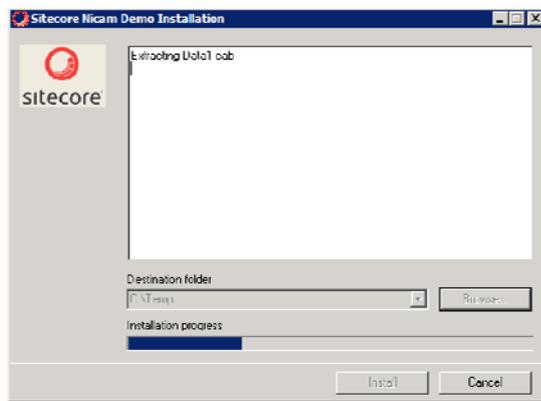
- Microsoft SQL Server 2005 or 2008
- IIS application pool must be set to allow 32-bit applications
- Microsoft JET engine for Excel integration (export/import)
- 32-bit SQL Server SMO for executing integration queries
- Adobe Flash

Chapter 2 Using the Nicam Demo Installation Program

The Nicam Demo Installation program will install the server components of Sitecore CMS and the Nicam Demo site. The installation wizard will walk the user through this process. Instructions for the Nicam Demo Installation program are provided below.

2.1 Sitecore Nicam Demo Site Installation Procedure

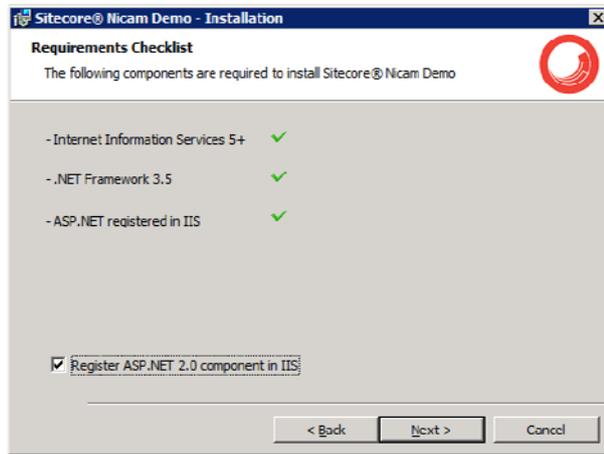
1. Launch the NicamDemo_v.1.0.4rev.090728.exe file to begin the Sitecore Nicam Demo site installation process
2. The Sitecore Nicam Demo installer will extract its installation components to the C:\Temp directory:
 - Data1.cab
 - Setup.exe
 - Sitecore.msi



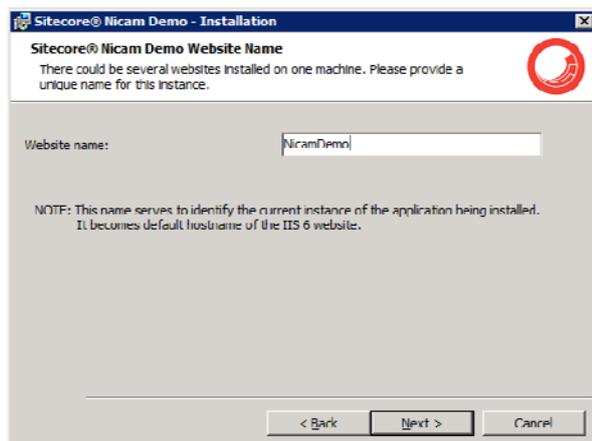
3. After the installation components have been extracted, the installation wizard for the Sitecore Nicam Demo will automatically launch
4. At the **Welcome to the installation wizard for Sitecore Nicam Demo** screen, click the **Next** button
5. The **Sitecore License Agreement** will display, read the license agreement and select the "I accept the terms in the license agreement" radio button. Click the **Next** button to continue.



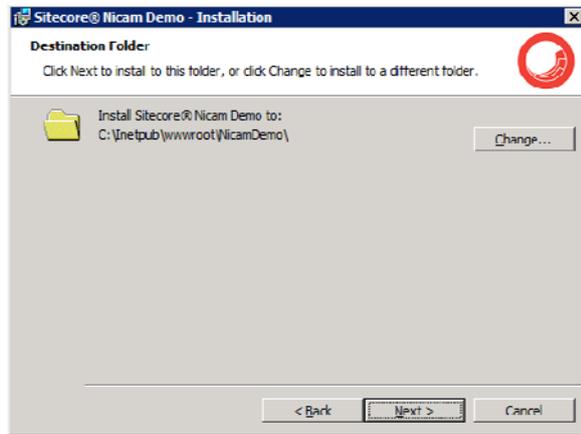
6. The installation wizard will verify that the required components have been installed.
 - a. Ensure that the “Register ASP.NET 2.0 component in IIS” checkbox has been checked
 - b. Click the **Next** button to continue



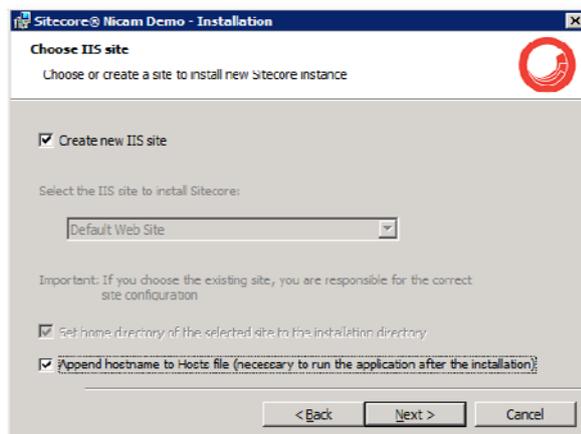
7. The user will be prompted to provide the location for their Sitecore license file
 - a. Click the **Browse** button to open the Select File dialog window
 - b. Within the Select file dialog window, locate and select the Sitecore License.xml file
 - c. Click the **Open** button to choose the file and return to the License File screen – the path to the License.xml will now display in the License File screen
 - d. Click the **Next** button to continue
8. Within the **Sitecore Nicam Demo Website Name** screen, enter the name that will be used for the Nicam Demo website. This name is at the discretion of the user, but either the default value or “NicamDemo” are sufficient. Click the **Next** button to continue.



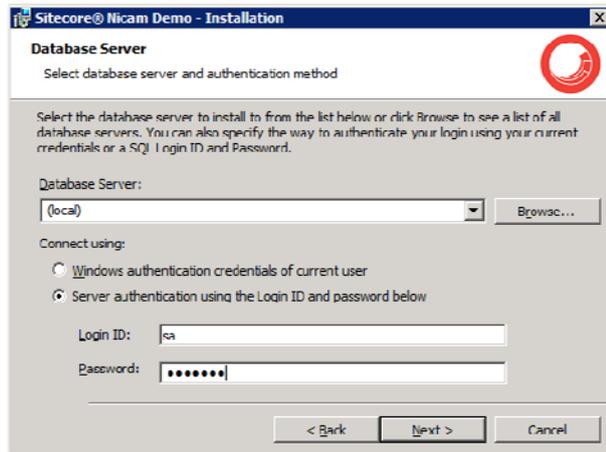
9. The **Destination Folder** window displays the destination under which the Nicam Demo site will be installed. By default, the destination is `C:\inetpub\wwwroot\{SiteName}` where `{SiteName}` is the name of the site specified in Step 8. Click the **Next** button to continue.



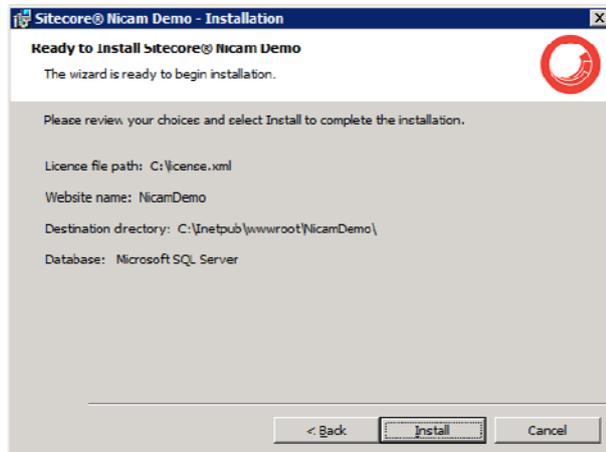
10. Within the **Choose IIS Site** screen:
- Ensure that the Create new IIS site checkbox is checked
 - Check the Append hostname to the Hosts file checkbox
 - Click the **Next** button to continue



11. In the **Database Server** screen:
 - a. Use the Database Server dropdown menu to select (local)
 - b. Select the Server authentication using the Login ID password below radio button
 - c. Enter a Login ID and Password in the appropriate fields for a SQL user with the necessary credentials (The sa account is sufficient)
 - d. Click the **Next** button to continue



12. The **Ready to Install Sitecore Nicam Demo** screen will display. Verify that the previously selected License file path, Website name, Destination directory and Database entries are correct. Click the **Install** button to begin the installation.



13. The Sitecore Nicam Demo site will now install
14. When the installation process has completed, the **Installation Completed** screen will display.
 - a. Select the Launch Nicam Demo checkbox
 - b. Click the **Finish** button to close the installer and launch the Nicam Demo

Chapter 3 Enterprise Commerce Installation and Configuration

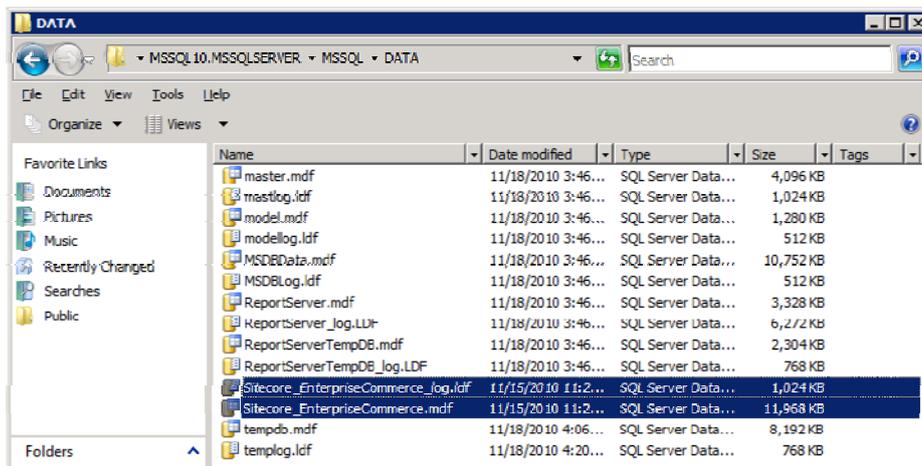
After Sitecore and the Nicam Demo site have been installed, the Sitecore Enterprise Commerce database and management console will need to be installed and configured. The step-by-step procedure below will walk the user through this process.

3.1 Prepare to Install Enterprise Commerce Components

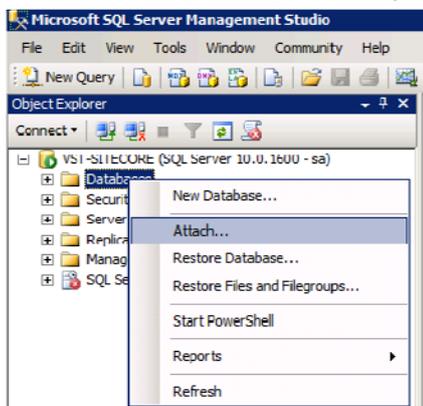
1. Locate and open the *SitecoreEnterpriseCommerceInstall.zip* file
2. Extract the SitecoreEnterpriseCommerceInstall directory from the ZIP file to C:\temp
3. A C:\temp\SitecoreEnterpriseCommerceInstall should now exist containing the Enterprise Commerce components

3.2 Install Enterprise Commerce Database

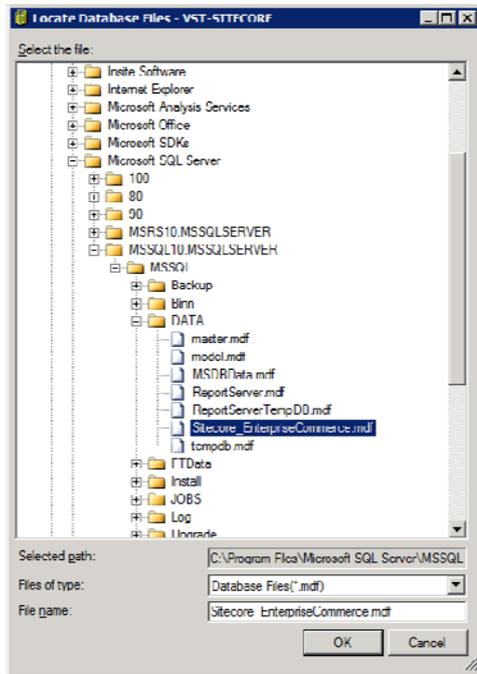
1. Within the C:\temp\SitecoreEnterpriseCommerceInstall directory that was created in Section 3.1 Step 1, open Sitecore_EnterpriseCommerceDB.zip and extract its contents to C:\Program Files\Microsoft SQL Server\MSSQL10.MSSQLSERVER\MSSQL\DATA



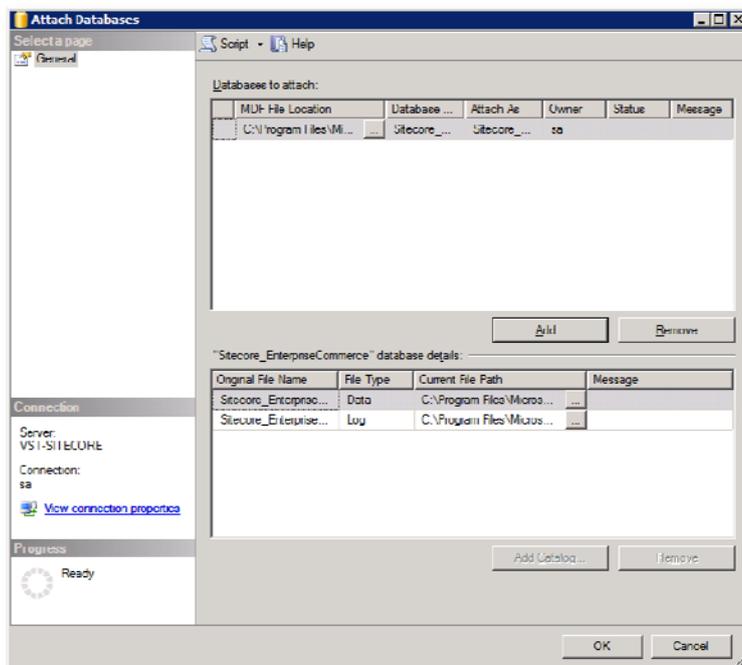
2. Launch the SQL Server Management Studio and connect to the local database server as a user with administrative privileges
3. Within the **Object Explorer**, right-click on Databases and select **Attach**



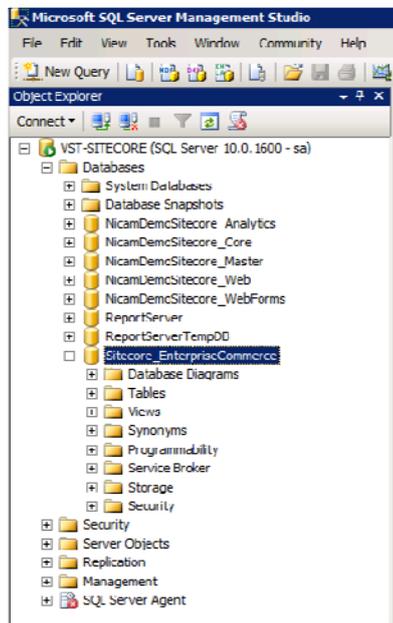
4. Under the **Databases to attach** section, click the **Add** button
5. Within the Locate Database Files folder tree, navigate to *C:\Program Files\Microsoft SQL Server\MSSQL10.MSSQLSERVER\MSSQL\DATA* and select *Sitecore_EnterpriseCommerce.mdf* and click the **OK** button



6. In the Attach Databases window, Click the **OK** button

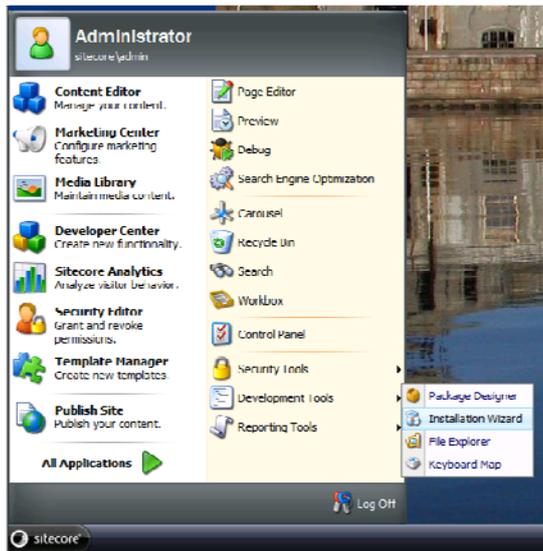


7. Verify that the Sitecore_EnterpriseCommerce database is now available under the Databases header in the Object Explorer

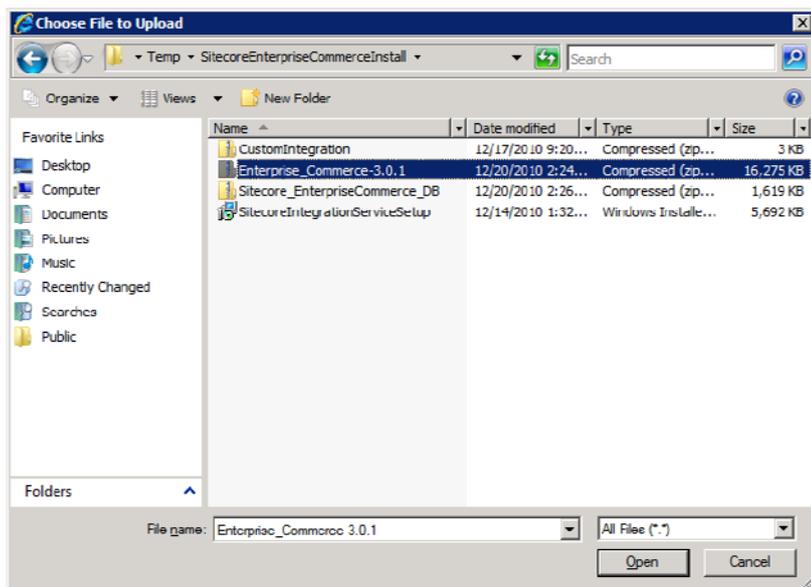


3.3 Install Enterprise Commerce Management Console

1. Launch the NicamDemo site and log in to the Sitecore desktop as an administrator user
2. Click the **Sitecore** button in the lower left corner of the Sitecore desktop and navigate to **Development Tools -> Installation Wizard**

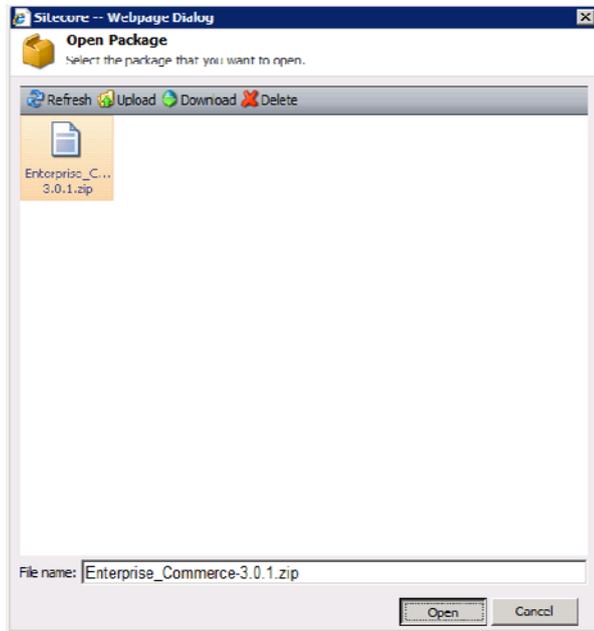


3. Within the **Installation Wizard**, click the **Browse** button
4. Within the **Open Package** dialog, click the **Upload** button
5. Within the **Select Files** dialog, click the **Browse** button
6. Using the **Choose File to Upload** explorer view, browse to *C:\Temp\SitecoreEnterpriseCommerceInstall*, select *Enterprise_Commerce-3.0.1.zip* and click the **Open** button

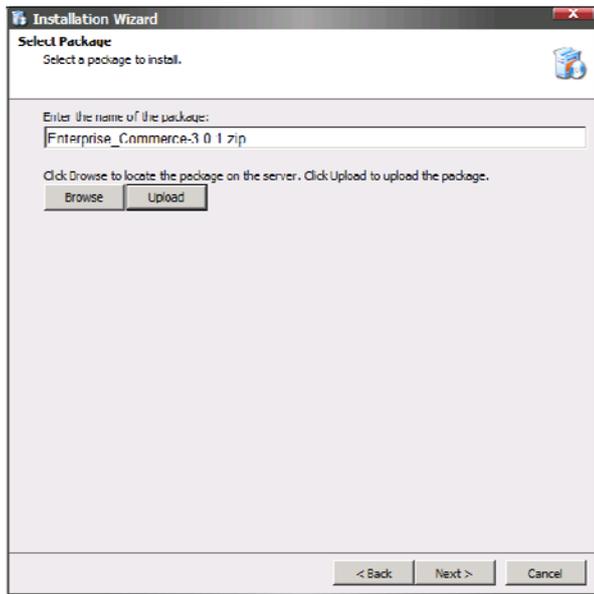


7. Within the **Select Files** dialog, click the **Next** button

8. Click the **Next** button in the **Settings** dialog to upload the *Enterprise_Commerce-3.0.1.zip* package
9. After the upload completes, click the **Finish** button
10. The **Open Package** dialog now contains the *Enterprise_Commerce-3.0.1.zip* package, select it and click the **Open** button

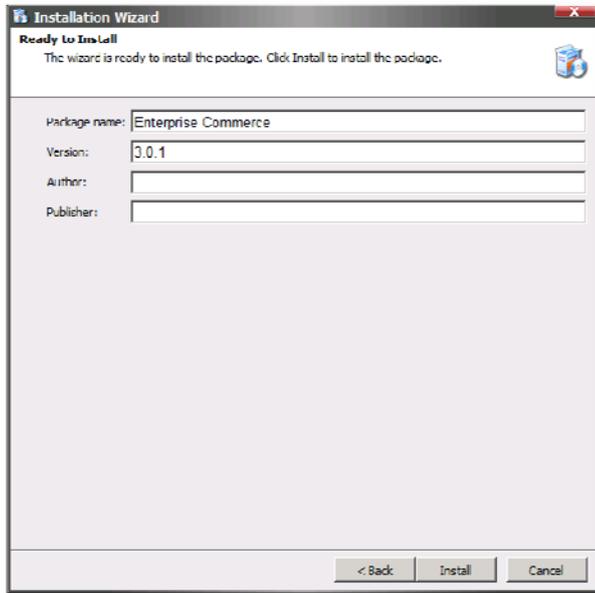


11. Within the **Select Package** dialog, click the **Next** button

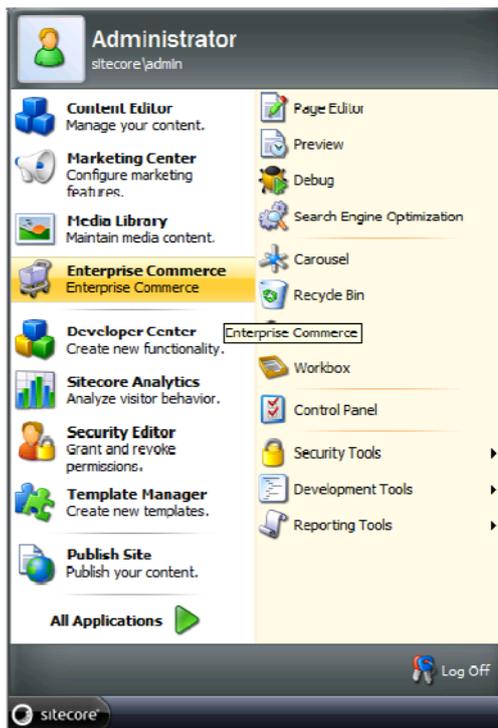


12. The Sitecore Enterprise Commerce readme file will display. This readme contains the connection strings that will need to be added to the web.config and connectionstrings.config files later in the installation process. Click the **Next** button to continue

13. The **Ready to Install** dialog will appear, click the **Install** button to install the Enterprise Commerce package



14. When the installation has completed, ensure that the **Restart the Sitecore client** checkbox is selected and click the **Finish** button
15. Enterprise Commerce will now be available in the Sitecore menu



3.4 Connect Enterprise Commerce Management Console to Database

1. Open the *Readme.txt* file that displays during the Enterprise Management Console install by clicking the **Sitecore** button in the lower left corner of the Sitecore desktop and navigating to **Development Tools -> Installation Wizard**. In the **Installation Wizard** dialogue, the *Enterprise_Commerce-3.0.1.zip* package should be pre-selected. Click the **Next** button to view the *Readme.txt* file
Note: If the *Enterprise_Commerce-3.0.1.zip* package is not available, follow Section 3.3, steps 3 through 11 to upload the package
2. Navigate to *C:\inetpub\wwwroot\{SiteName}\WebSite* (where *{SiteName}* is the name specified in Section 2.1, Step 8) and open the *Web.config* file in a text editor such as Notepad
3. Using the *Readme.txt* file, copy the first four sections of code and paste them within the specified sections of the *web.config* file
 - a. copy the **configSections** section of code and paste it within the **configSections** section of the *web.config* file

```
<configSections>
  <section name="sitecore" type="Sitecore.Configuration.ConfigReader, Sitecore.Kernel" />
  <section name="log4net" type="log4net.Config.Log4NetConfigurationSectionHandler, Sitecore.Logging" />
  <sectionGroup name="system.web.extensions" type="System.Web.Configuration.SystemWebExtensionsSectionGroup, System.Web.
  <sectionGroup name="scripting" type="System.Web.Configuration.ScriptingSectionGroup, System.Web.Extensions, Version=
  <section name="scriptResourceHandler" type="System.Web.Configuration.ScriptingScriptResourceHandlerSection, System
  <sectionGroup name="webServices" type="System.Web.Configuration.ScriptingWebServicesSectionGroup, System.Web.Exten
  <section name="jsonSerialization" type="System.Web.Configuration.ScriptingJsonSerializationSection, System.Web.E
  <section name="profileService" type="System.Web.Configuration.ScriptingProfileServiceSection, System.Web.Extens
  <section name="authenticationService" type="System.Web.Configuration.ScriptingAuthenticationServiceSection, Syst
  <section name="roleService" type="System.Web.Configuration.ScriptingRoleServiceSection, System.Web.Extensions, V
  </section>
</sectionGroup>
</sectionGroup>
</sectionGroup>

<!-- EnterpriseCommerce -->
<section name="hibernate-configuration" type="NHibernate.Cfg.ConfigurationSectionHandler, NHibernate"/>
<sectionGroup name="fluorinefx">
  <section name="settings" type="FluorineFx.Configuration.XmlConfigurator, FluorineFx" requirePermission="false"/>
</sectionGroup>
<!-- EnterpriseCommerce -->

</configSections>
```

- b. Copy the **system.webServer modules** section and paste it within the **system.webServer modules** section of the *web.config* file

```
<system.webServer>
  <modules>
    <remove name="ScriptModule" />
    <add type="Sitecore.Nexus.Web.HttpModule, Sitecore.Nexus" name="SitecoreHttpModule" />
    <add type="Sitecore.Resources.Media.UploadWatcher, Sitecore.Kernel" name="SitecoreUplo
    <add type="Sitecore.IO.XslWatcher, Sitecore.Kernel" name="SitecoreXslWatcher" />
    <add type="Sitecore.IO.LayoutWatcher, Sitecore.Kernel" name="SitecoreLayoutWatcher" /
    <add type="Sitecore.Configuration.ConfigWatcher, Sitecore.Kernel" name="SitecoreConfi
    <add name="ScriptModule" preCondition="managedHandler" type="System.Web.Handlers.Scri

    <!-- EnterpriseCommerce -->
    <add name="FluorineGateway" type="FluorineFx.FluorineGateway, FluorineFx"/>
    <add name="NHibernateModule" type="NHibernate.Helper.Module, NHibernate.Helper"/>
    <!-- EnterpriseCommerce -->

  </modules>
```

- c. Copy the **system.web httpModules** section and paste it within the system.web httpModules section of the *web.config* file

```

</system.webServer>
<system.web>
  <!-- Continue to run Sitecore without script validations -->
  <pages validateRequest="false">
    <controls>
      <add tagPrefix="sc" namespace="Sitecore.Web.UI.WebControls" assembly="Sitecore.Kernel" />
      <add tagPrefix="asp" namespace="System.Web.UI" assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" />
      <add tagPrefix="asp" namespace="System.Web.UI.WebControls" assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" />
    </controls>
  </pages>
  <httpModules>
    <add type="Sitecore.Nexus.Web.HttpModule, Sitecore.Nexus" name="SitecoreHttpModule" />
    <add type="Sitecore.Resources.Media.UploadWatcher, Sitecore.Kernel" name="SitecoreUploadWatcher" />
    <add type="Sitecore.IO.XslWatcher, Sitecore.Kernel" name="SitecoreXslWatcher" />
    <add type="Sitecore.IO.LayoutWatcher, Sitecore.Kernel" name="SitecoreLayoutWatcher" />
    <add type="Sitecore.Configuration.ConfigWatcher, Sitecore.Kernel" name="SitecoreConfigWatcher" />
    <add name="ScriptModule" type="System.Web.Handlers.ScriptModule, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" />
    <!-- EnterpriseCommerce -->
    <add name="FluorineGateway" type="FluorineFx.FluorineGateway, FluorineFx" />
    <add name="NHibernateModule" type="NHibernate.Helper.Module, NHibernate.Helper" />
    <!-- EnterpriseCommerce -->
  </httpModules>
  
```

- d. Copy the fourth section and paste it at the bottom of the *web.config* file before the closing **</configuration>** tag

```

  <!-- BindingRedirect oldVersion="1.0.0.0-1.1.0.0" newVersion="3.5.0.0" />
  </dependentAssembly>
</assemblyBinding>
</runtime>
<!-- EnterpriseCommerce -->
<hibernate-configuration xmlns="urn:hibernate-configuration-2.2">
  <session-factory>
    <!-- properties -->
    <property name="connection.provider">NHibernate.Connection.DriverConnectionProvider</property>
    <property name="connection.driver_class">NHibernate.Driver.SqlServerDriver</property>
    <property name="connection.connection_string">InSite.Commerce</property>
    <property name="show_sql">>false</property>
    <property name="dialect">NHibernate.Dialect.MsSql2000Dialect</property>
    <property name="use_outer_join">>true</property>
    <property name="query.substitutions">>true 1, false 0, yes 'Y', no 'N'</property>
    <property name="proxyfactory.factory_class">NHibernate.ByteCode.Castle.ProxyFactoryFactory, NHibernate.ByteCode.Castle</property>
    <!-- mapping file -->
    <mapping assembly="InSite.Model" />
  </session-factory>
</hibernate-configuration>
<!-- EnterpriseCommerce -->
<!-- EnterpriseCommerce -->
</configuration>
  
```

4. Save the changes that were made and close the *Web.config* file
5. Navigate to the *C:\inetpub\wwwroot\{SiteName}\WebSite\App_Config* directory and open the *ConnectionString.config* file in a text editor

6. Copy the **ConnectionStrings** snippet from the bottom of the *Readme.txt* file and paste it within the *ConnectionStrings.config* file above the closing `</connectionStrings>` tag

```
<connectionStrings>
  <!--
    Sitecore connection strings.
    All database connections for Sitecore are configured here.
  -->
  <add name="core" connectionString="user id=sa;password=ln$1t3!;Data Source=(local);Database=NicamDemoSitecore_Core" />
  <add name="master" connectionString="user id=sa;password=ln$1t3!;Data Source=(local);Database=NicamDemoSitecore_Master" />
  <add name="web" connectionString="user id=sa;password=ln$1t3!;Data Source=(local);Database=NicamDemoSitecore_Web" />
  <add name="analytics" connectionString="user id=sa;password=ln$1t3!;Data Source=(local);Database=NicamDemoSitecore_Analytics" />
  <!-- EnterpriseCommerce -->
  <add name="InSite.Commerce" connectionString="user id=sa;password=sa;Data Source=(local);Database=Sitecore_EnterpriseCommerce"/>
  <!-- EnterpriseCommerce -->
</connectionStrings>
```

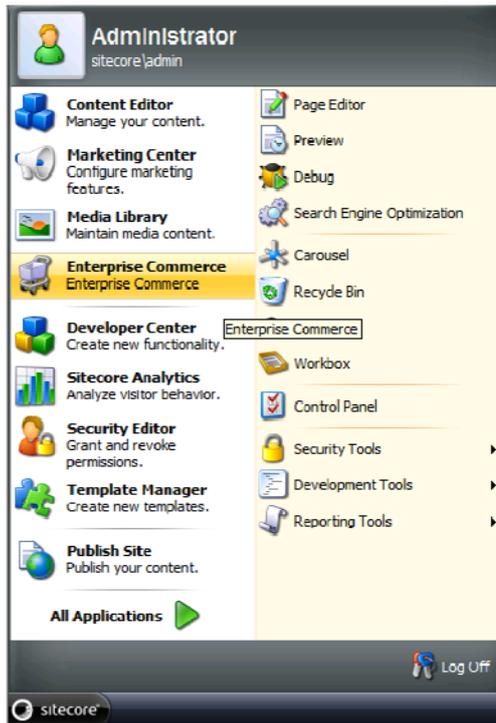
7. Modify the **user id=** and **password=** portions of line that was pasted into the *ConnectionStrings.config* file above in Step 5 to reference the user id and password of an account that has access to the Enterprise Commerce database (such as the user id and password that were entered in Section 2.1, Step 11)
8. If using a database server other than SQL Express, remove the `\SQLEXPRESS` text from the connection string that was pasted above in step 5
9. Save the changes that were made and close the *ConnectionStrings.config* file

Chapter 4 Enterprise Commerce Management Console

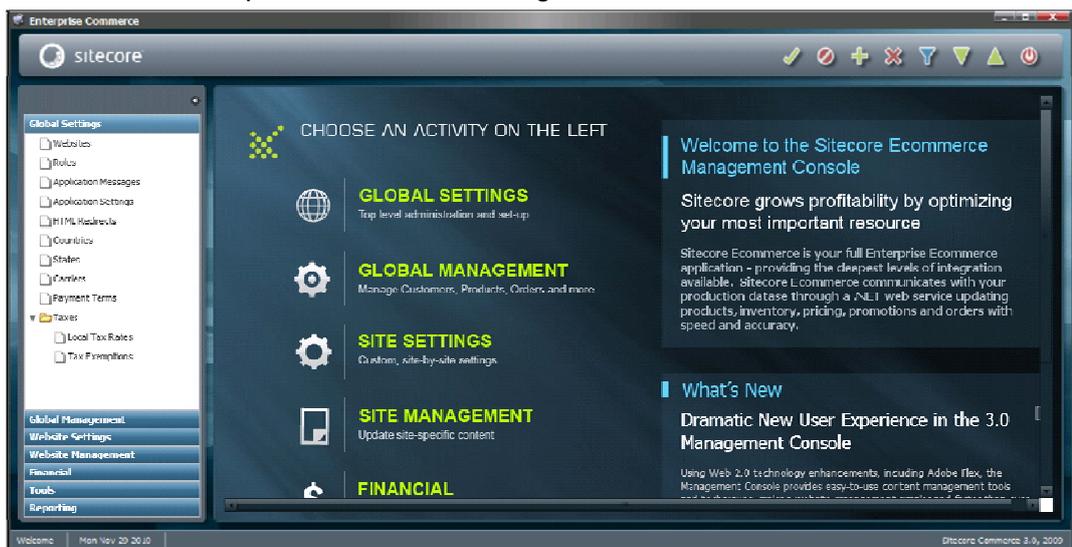
Now that the Enterprise Commerce Management Console has been successfully installed and configured, it can be accessed within the Sitecore desktop.

4.1 Access the Enterprise Commerce Management Console

1. Log in to the Sitecore desktop as a user with administrative privileges
2. Click the **Sitecore** button in the lower left corner of the Sitecore desktop and select **Enterprise Commerce**



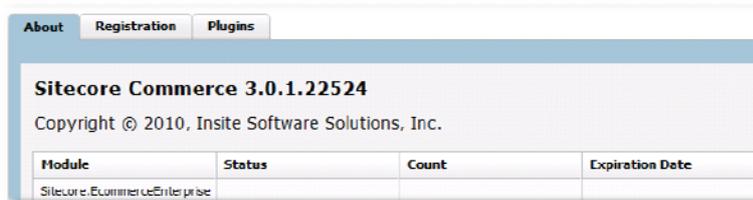
3. The Sitecore Enterprise Commerce Management Console will now launch



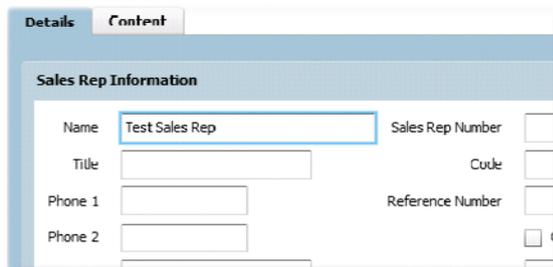
4.2 Validate the Enterprise Commerce Installation

If you are unable complete the following steps, a fatal issue occurred during the installation or management console setup process. Verify the each of the steps within this guide have been correctly follow. In some cases, it may be beneficial to start the installation process over again from the beginning.

1. Verify the version and build number:
 - a. Using the left navigation menu, click **Tools -> About**
 - b. At the time of this document, the current version is 3.0.1 and the current build is 22524. **If your version is out of date, please download the latest build from the Sitecore developer network.**



2. Validate that the database is properly connected and new records can be created:
 - a. Using the left navigation menu, Click **Global Management -> Sales Reps**
***Note: Because the database contains no Sales Rep records, a warning message will appear**
 - b. Click **Add New**  on the toolbar
 - c. Enter a name or string in the **Name** field in the Sales Rep Information section



- d. Click **Accept Changes**  to save the record
- e. Leave the Sales Rep section by clicking an alternate section from the left navigation menu, such as Dealer
- f. Re-enter the Sales Rep section by clicking it in the left navigation menu
- g. Verify that the record that was previously created is present in the Sales Rep grid view



- h. Select the record and click **Mark to Delete** 
- i. Click **Accept Changes**  to remove the record