Bitrix Site Manager ASP.NET

Installation Guide



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Introduction

This manual is intended for use by Bitrix Site Manager users. This document highlights upon the following important issues:

- installation of the trial and registered versions;
- product registration at the Bitrix web site;
- transferring the site from a local machine to a remote server.

Please ensure your system conforms the following minimum requirements:

- Windows XP Professional / Server 2003 / Vista (not Home Basic) / Server 2008;
- IIS 5.1 (or higher) services are installed and configured.

The following components are also required:

- Microsoft .NET Framework 3.5 or later;
- ASP.NET AJAX Extensions 1.0;
- MS SQL Server 2005/2008.

Note: the version of **Microsoft .NET Framework** installed on a local machine must match the one installed at a remote server on which you are planning to host your project. Otherwise, your system will require additional configuration.

There following installation options are available.

Full Installer	Recommended for evaluation purposes. Installs all the required components stated in this chapter. See <u>Chapter3. Using Windows</u> Installer To Install Bitrix Site Manager ASP.NET for details.
Standard Installer	Same as "Full Installer" but does not contain the additional software thus the package size is considerably less. Recommended if you have all the required components installed. See <u>Chapter3. Using</u> <u>Windows Installer To Install Bitrix Site Manager ASP.NET</u> for details.
Archive-based Installer	Advanced option; primarily for system administrators who configure IIS services manually. See <u>Chapter2. Using Archive To Install Bitrix</u> <u>Site Manager ASP.NET</u> for details.

Should you have any questions installing Bitrix Site Manager, contact the Bitrix Helpdesk Service (<u>http://www.bitrixsoft.com/support/</u>).



Chapter 1. Checking for IIS Installation

Before installing Bitrix Site Manager ASP.NET, you have to verify that IIS version 5.1 or later is installed on your system. Version 5.1 corresponds to the minimum OS requirement – Windows XP Professional.

Note: ASP.NET support is provided by **IIS 6.0** and later. Earlier versions require manual installation of **Microsoft .NET Framework** in which case you should follow the order of installation: first install IIS, and only then – Microsoft .NET Framework. Otherwise, you will have to configure **IIS** to work with **Microsoft .NET Framework** manually.

To ensure that **IIS** is installed:

- Click Start > Control Panel > Add / Remove Programs (or Start > Control Panel > Programs and Components) to open the existing installations window.
- Click Windows Components to show up the Windows Components Wizard window (fig. 1.1):



Windows Components Wizard 🛛 🛛 🔀				
Windows Components You can add or remove components of Windows XP.				
To add or remove a component, click the checkbox. A shaded b part of the component will be installed. To see what's included in Details.	ox means that only a component, click			
<u>C</u> omponents:				
🗆 🗭 Indexing Service	0.0 MB 🔼			
🗹 🧭 Internet Explorer	0.0 MB			
🗹 🅞 Internet Information Services (IIS)	13.5 MB			
🔲 🚔 Management and Monitoring Tools	2.0 MB			
🔲 🚾 Message Queuing	0.0 MB 🞽			
Description: Includes Web and FTP support, along with support transactions, Active Server Pages, and database co	for FrontPage, onnections.			
Total disk space required: 67.9 MB	Detaile			
Space available on disk: 5666.1 MB				
< <u>B</u> ack	Next > Cancel			

Fig. 1.1 Windows Components

A tick in the corresponding box indicates that **IIS** is installed on your machine.

□ If the box is not checked, mark it and click **Next**. An **IIS Installation Wizard** will start.

Note: the setup program will require a Windows setup CD during IIS installation.

- Follow the wizard steps to install **IIS**.
- Close Control Panel when the installation is completed.



Chapter 2. Using An Archive File to Install Bitrix Site Manager ASP.NET

This kind of setup is distributed as **zip** archives including only the system files. All the third-party software required by the system (see "Minimal Requirements", <u>http://www.bitrixsoft.com/products/aspnet/requirements.php</u>) must be installed prior to copying the Bitrix Site Manager files. Besides, you have to configure IIS and set the package folder permissions.

Preliminary Actions

- Download the Bitrix Site Manager ASP.NET distribution at <u>http://www.bitrixsoft.com/download/aspnet/</u> (trial version) or <u>http://www.bitrixsoft.com/download/sources.php</u> (commercial version).
- Create a folder and unpack all the files from the archive to that folder.
- Click Start > Control Panel > Administration > Internet Information Services (or Start > Control Panel > Administration > IIS Service Manager).
- Configure **IIS** ad described below according to the version installed.

IIS 5.1 Configuration

Create a Virtual Directory

- Open the node tree and select **Default Web Site**.
- Right-click on **Default Web Site** and select *Create (or New) > Virtual Directory* (fig. 2.1):



🚡 Internet Informatio	n Services		_O×
🚡 File Action View	Favorites Window He	p	_ & ×
← → 🖪 🖪 🖆	<u>ş</u>		
Console Root		Name	
- A MORBO (local	computer)	Internet Information Services	
📄 📄 Web Sites			
🖻 🦽 Defau	t Web Site		
FTP Sites	Explore		
E-∞ Default S	Open		
	Browse	_	
	Start		
	Stop		
	Pause		
	New 🕨	Virtual Directory	
	All Tasks 🕨	Server Extensions Web	
	New Window from Here	Server Extensions Administrator	
	Rename		
	Refresh		
	Properties		
Create new Web Virtual E	Help		

Fig. 2.1 Creating a Virtual Directory

Note! You cannot create new webs in **Windows XP**. Hence the current discussion will focus on a Virtual Directory in the **Default Web Site**.

The first step of the Virtual Directory Wizard will appear (fig. 2.2):



Fig. 2.2 The Virtual Directory Wizard



□ Click **Next** to show up the next step (fig. 2.3):

Virtual Directory Creation Wizard
Virtual Directory Alias You must give this virtual directory a short name, or alias, for quick reference.
Type the alias you want to use to gain access to this virtual directory. Use the same naming conventions that you would for naming a directory.
Alias:
BitDotNet
· · · · · · · · · · · · · · · · · · ·
< Back Next > Cancel

Fig. 2.3 The folder alias

- Type the virtual directory alias. The alias can be any word consisting of Latin letters.
- Click Next.

Directory Creation Wizard		
Site Content Directory Where is the content you want to publish	1 on the Web site?	Amb
nter the path to the directory that conta	ins the content for this V	Veb site.
ath:		
C:\Program Files\Bitrix_Net		Browse

Fig. 2.4 The path to the web site contents



- Specify the path to the folder containing the unpacked system files (fig. 2.4).
- Click **Next** to open the permission dialog (fig. 2.5):



Fig. 2.5 Folder permissions

- □ Leave the values as they are.
- Click Next. The completion message window will appear (fig. 2.6):



Fig. 2.6 Finishing the wizard



□ Click **Finish**. The wizard will close, and the virtual directories list will display your new folder.

Enabling SEF URL's

Now you have to configure IIS so that it handles search engine friendly URL's correctly.

- Right-click on the **Default Web Site** tree item or the just created virtual directory.
- □ Select Properties.
- In the properties dialog (fig. 2.7), open the Virtual Directory tab (or Home Folder if you have clicked on Default Web Site).

BitDotNet Properties				
Virtual Directory Documents Directory Security HTTP Headers Custom Errors The content for this resource should come from: O A directory located on this computer O A share located on another computer				
A redirection to a URL Local path: C:\Program Files\Bitrix_Net Browse Script source access ✓ Log visits Read ✓ Index this resource Write Directory browsing				
Application settings Application name: BitDotNet Remove Starting point: <west dev="" site="" wind="">\ Configuration Execute permissions: Scripts and Executables Configuration Application pool: West Wind Web Connection Unload</west>				
OK Cancel Apply Help				

Fig. 2.7 Setting the folder properties

Click Configuration. The Application Configuration window will appear (fig. 2.8):



Арр	Application Configuration					
Ma	Mappings Options Debugging					
	Exten	Executable Path	Verbs 🔥			
	ad .adproto .asa .asax .asax .ashx .ashx .asp .aspx .axd .browser	C:\windows\microsoft.net\framework\ C:\WINDOWS\system32\inetsrv\asp.dll C:\windows\microsoft.net\framework\ C:\windows\microsoft.net\framework\ C:\windows\microsoft.net\framework\ C:\windows\microsoft.net\framework\ C:\WINDOWS\system32\inetsrv\asp.dll c:\windows\microsoft.net\framework\ c:\windows\microsoft.net\framework\ c:\windows\microsoft.net\framework\ c:\windows\microsoft.net\framework\ c:\windows\microsoft.net\framework\ c:\windows\microsoft.net\framework\ c:\windows\microsoft.net\framework\ bill Edit Remove	GET,HEA. GET,HEA. GET,HEA. GET,HEA. GET,HEA. GET,HEA. GET,HEA. GET,HEA. GET,HEA. GET,HEA.			
	OK Cancel Apply Help					

Fig. 2.8 Configuring applications

Click Add. The extension mapping properties window will show up (fig. 2.9):

Add/Edit Application Extension Mapping			
Executable: Extension:	C:\WINDOWS\Microsoft.NET\Framework\v Browse		
Verbs All Verbs Limit to:			
Script engine	ists OK Cancel Help		

Fig. 2.9 Adding a mapping



- Type in the path of or browse for X:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\aspnet_isapi.dll, here X is the Windows drive letter.
- □ Type . ★ in the Extension field.
- □ Save changes by clicking **OK**.

Configuring the Directory Permissions

Now that we have created a web site, we have to add a new user group (**ASPNET**) and set the user permissions to access the folder to which the Bitrix Site Manager files have been extracted.

- Open a directory containing the folder with the Bitrix Site Manager ASP.NET files.
- Invoke the folder properties dialog by right-clicking on the folder and selecting **Properties** in the context menu.
- □ Click the **Security** tab (fig. 2.10):

trix_Net Prop	erties		?
General Security	Web Sharing	Customize	
<u>G</u> roup or user na	mes:		
Administrato	ors (MORBO\A OWNER obar (drobar@pe est Account (IBN Process Account	dministrators) rcipientstudios.com 1\IUSR_IBM) sentematikation	n)
<		Add	<u>R</u> emove
Permissions for A	dministrators	Allow	Deny
Full Control		~	
Modify		4	
Read & Execu	ite	1	
List Folder Cor	ntents		
Read		~	
Write		1. Start 1.	
, For special permi click Advanced.	ssions or for adv	anced settings, (Advanced
	OK	Cancel	

Fig. 2.10 Configuring the access permission



Click Add to open the object selection window (fig. 2.11):

Select Users or Groups	? 🛛
Select this object type:	
Users, Groups, or Built-in security princip	Dals Object Types
From this location:	
MORBO	Locations
Enter the object names to select (examp	les):
	Check Names
Advanced	
Auvanceu	

Fig. 2.11 The object selection dialog

- □ First, select the location. Then, click **Advanced...** and choose the **ASPNET** group.
- Click OK. A new user ASP.NET Machine Account is now added to the groups list (fig. 2.12).
- Assign full access to the folder for the ASP.NET Machine Account user (fig. 2.12):

eneral Security	Web Sharing	Customize	
Group or user nam	ies:		
🕵 Administrator	s(MORBO\Adm	onistrators)	^
🕵 ASP.NET M	achine Account	(MORBO\ASPNE	т) 🗧
GREATOR CREATOR C	WNER		_
🙎 Douglas Rob	oar (drobar@per	cipientstudios.co	m)
🖪 Internet Gue	at Account (IDk)	NILICO IDMI	×
<u>×</u>			1
		Add	<u>R</u> emove
Permissions for AS Machine Account	P.NET	Allow	Deny
Full Control			
Modify		~	
Read & Execut) B)	×	
List Folder Cont	ents	~	
Read		~	
Write		V	
or special permis: click Advanced.	sions or for adva	anced settings,	Advanced

Fig. 2.12 Access permissions



Click **Apply**. Save changes and close the window.

Installing Bitrix Site Manager

Run any Internet browser and type the following URL in the address bar: http://localhost/<your_alias>/bitrix/install/default.aspx. The first installation step screen will open (see <u>The Bitrix Site Manager ASP.NET</u> Installation Wizard).



IIS 6.0 Configuration

Along with the previously known ability to create virtual directories, **IIS 6.0** permits to create new web sites (fig. 2.13):



Fig. 2.13 Options to create virtual directories and web sites

Since the use of aliases is not always the most convenient approach, let us consider an example of creating a new web site.

Note: virtual directory creation is discussed in "IIS 5.1 Configuration".

Adding a Web Site

• Open the **Web Sites** node.

Note: if the new site's IP address (fig. 2.17) is the same as the **Default Web Site**'s IP address, the new site requires that you specify a different port number, other than the one used by the default web site. To overcome this limitation, you can simply delete the default web site if you no longer need it.

Right-click on the Web Sites node and select New > Web Site (fig. 2.14):



🐚 Internet Information Servio	es (IIS) Manager			_ 🗆 ×
🐚 Eile <u>A</u> ction <u>V</u> iew <u>W</u> indov	w <u>H</u> elp		1	- 8 ×
← → 🗈 🖬 😭 🖻	- 😫 💵 💂 🕨 🗉 🗉			
internet Information Services	Description	Identifier	State	Host he
BX (local computer) D Application Pools	9 Default Web Site	1	Running	
	▶ <u>W</u> eb Site…			
	 Web Site (from file 	e)		
View	*			
New <u>W</u> indow	w from Here			
Pefrech				
Export List.				
Properties				
Help				
	•			►
Create new Web site				

Fig. 2.14 Creating a web site

The first step of the Web Site Creation Wizard will show up (fig. 2.15):



Fig. 2.15 Running the web site wizard

Click Next.



Web Site Creation Wizard
Web Site Description Describe the Web site to help administrators identify it.
Type a description of the Web site. Description: BitDotNet
< <u>B</u> ack <u>N</u> ext > Cancel

Fig. 2.16 A new web site name

- **Type the web site name (use only Latin letters, e.g. BitDotNet).**
- Click Next. The site IP address and port assignment step will open (fig. 2.17):

Web Site Creation Wizard
IP Address and Port Settings Specify an IP address, port setting, and host header for the new Web site.
Enter the IP address to use for this Web site:
(All Unassigned)
ICP port this Web site should use (Default: 80): 80
Host header for this Web site (Default: None):
For more information, read the IIS product documentation.
< <u>B</u> ack <u>N</u> ext > Cancel

Fig. 2.17 the web site IP address and port



Specify the IP address and the port number at which your web site will be available. Specify the host name if required.

Click Next to open the next wizard step (fig. 2.18):

Web Site Creation Wizard	×
Web Site Home Directory The home directory is the root of your Web content subdirectories.	
Enter the path to your home directory.	
<u>P</u> ath:	
C:\Program Files\Bitrix_Net	Browse
☑ Allow anonymous access to this Web site	
< <u>B</u> ack <u>N</u> ext >	Cancel

Fig. 2.18 The path to the web site directory

- Specify the path to the folder containing the files extracted from the Bitrix Site Manager distribution package.
- □ Click **Next** to open the access permissions window (fig. 2.19):

Web Site Creation Wizard
Web Site Access Permissions Set the access permissions for this Web site.
Allow the following permissions:
<u>Read</u> <u>Run scripts (such as ASP)</u> <u>Execute (such as ISAPI applications or CGI)</u> <u>Write</u> <u>Bro</u> wse
To complete the wizard, click Next .
< <u>B</u> ack <u>N</u> ext > Cancel

Fig. 2.19 The web site folder access permissions



Enable Read and Run scripts (such as ASP) access options.

Click **Next** to complete the configuration (fig. 2.20):



Fig. 2.20 Finishing the web site wizard

Click **Finish**. The wizard window will close and the web sites tree will show the just created web site (fig. 2.21):



Fig. 2.21 The new web site



 Configure IIS to handle SEF URL's as described in the corresponding IIS 5.1 chapter, <u>Enabling SEF URL's</u>).

Configuring the Directory Permissions

Now that we have created a web site, we have to attach a user group (**NETWORK SERVICE**) to the site and set the user permissions to access the folder to which the Bitrix Site Manager files have been extracted.

In the **IIS** manager, find the site you have created (**BitDotNet**).

Right-click on it and select **Permissions** in the context menu (fig. 2.22):



Fig. 2.22 Invoking the permissions dialog

The permissions dialog box will show up (fig. 2.23):





Fig. 2.23 Access permissions

□ Click **Add** to open the object selection window (fig. 2.24):

Select Users or Groups		? ×
Select this object type:		
Users, Groups, or Built-in security principals		<u>O</u> bject Types
Erom this location:		
BX		Locations
Enter the object names to select (<u>examples</u>):		
NETWORK SERVICE		<u>C</u> heck Names
<u>A</u> dvanced	ОК	Cancel

Fig. 2.24 The object selection dialog

- First, select the location. Then, click Advanced... and choose the SERVICE group.
- Click OK.
- Assign full access to the folder for the NETWORK SERVICE user group (fig. 2.25):



Group or user names:		
🕵 Domain Users (OFFICEN	Domain Users)	<u> </u>
🕼 Everyone		
	BXNUSH_BXJ	
•		
	A <u>d</u> d	<u>R</u> emove
Permissions for NETWORK SERVICE	Allow	Deny
Full Control		
Modify	\checkmark	
Read & Execute	\checkmark	
List Folder Contents	\checkmark	
Read	\checkmark	
Write		
11110		

Fig. 2.25 Assigning the object access permissions

Click **OK**.

Installing Bitrix Site Manager

Run any Internet browser and type the following URL in the address bar: http://localhost/<your_alias>/bitrix/install/default.aspx. The first installation step screen will open (see <u>The Bitrix Site Manager ASP.NET</u> <u>Installation Wizard</u>).

IIS 7.0 Configuration

Adding a Web Site

□ In the **Connections** pane, find the web sites node (fig. 2.26):







Note: if the new site's IP address (fig. 2.28) is the same as the **Default Web Site**'s IP address, the new site requires that you specify a different port number, other than the one used by the default web site. To overcome this limitation, you can simply delete the default web site if you no longer need it.

□ Right-click on the **Sites** node and select *Add Web Site* (fig. 2.27):

Connections			Sites			
⊿ W7-PC (W	/7-PC\W7) ation Pools	Filter:		- (🕅 Go 🕞 🦕 Show A	II Group
> 🚺 Sites	*	Masaa	1	ID	Status	Binding
	Add Web Site	·	Web Site	1	Started (ht	*:80 (http)
6	Refresh					
	Switch to Conte	ent View				

Fig. 2.27 Adding a new web site in IIS 7

A new site creation dialog will open (fig. 2.28):



Site name:		Application poo	k		
bitrix_net		bitrix_net			Select
Content Directo	ory				
Physical path:					
C:\BitDotNet					
Pass-through	authentication				
[
Connect as	Test Setti	ings			
Binding					
Туре:	IP add	ress:		Port:	
	→ All Un	assigned	-	80	
http	10000				
http Host name:					
http Host name:					
http Host name:					
http Host name: Example: www	v.contoso.com o	or marketing.contoso	.com		
http Host name: Example: www	v.contoso.com d	or marketing.contoso	.com		
Host name:	v.contoso.com o	or marketing.contoso	.com		

Fig. 2.28 The new site dialog in IIS 7

- □ Type the web site name (in this example: **bitrix_net**).
- In the Physical Path field, specify the path to the folder containing the Bitrix Site Manager files.
- Click Test Settings. IIS will check the connection parameters and will show the log (like the one shown in fig. 2.29) containing errors, if any exist.





Fig. 2.29 Performing the trial connection

The most common are the authorization errors due to the lack of administrator permissions. To resolve this error:

- click Close in the trial connection window.
- Click Connect As (fig. 2.28). The user profile selection dialog will open (fig. 2.30):

Connect As	? ×
Path credentials:	
Specific user:	
	Set
Application user (pass-through authentication)	
ОК	Cancel

Fig. 2.30 Selecting a user

- Select the Specific user option and click Set.
- **u** Type the administrators' login and password. Click **OK**.
- Double check the connection parameters.
- □ Save the site.



Note that the creation of a new site is not generally required when installing Bitrix Site Manager ASP.NET. You can add an application to an existing site instead (fig. 2.31):



Fig. 2.31 Adding an application in IIS 7

If you add Bitrix Site Manager as an application, do not forget to specify the alias, for example: **BitDotNet** (fig. 2.32):



Site name: bitrix_net Path: /		
Alias:	Application pool:	
BitDotNet	bitrix_net	Select
Example: sales Physical path:		
C:\BitDotNet		
Dave the such as the set is at		

Fig. 2.32 Setting the application parameters in IIS 7

Configuring the Directory Permissions

Now that we have created a web site, we have to attach a user group (**NETWORK SERVICE**) to the site and set the user permissions to access the folder to which the Bitrix Site Manager files have been extracted.

In the **IIS** manager, find the site you have created (**bitrix_net**).

In the actions pane, click Edit Permissions.

Open the **Security** tab and click **Change**. The permissions dialog box will show up (fig. 2.33):





Fig. 2.33 Access permissions

Click Add to open the object selection window (fig. 2.34):

	? ×
	Object Types
	Locations
	Check Names
ОК	Cancel
	OK

Fig. 2.34 The object selection dialog



First, select the location. Then, click **Advanced...** and choose the **NETWORK SERVICE** group.

Click OK.

Assign full access to the folder for the **NETWORK SERVICE** user group (fig. 2.35):

12		
Object name: C:\BitDotNet		
Group or user names:		
Authenticated Users		
SYSTEM		
& Administrators (W7-PC\Adm	iinistrators)	
& NETWORK SERVICE		
& Users (W7-PC\Users)		
	Add	Remove
Permissions for NETWORK SERVICE	Allow	Deny
		-
Full control		
Full control Modify		
Full control Modify Read & execute	V	
Full control Modify Read & execute List folder contents		
Full control Modify Read & execute List folder contents Read	V V V	

Fig. 2.35 Assigning the object access permissions

Click OK.

Installing Bitrix Site Manager

Run any Internet browser and type the following URL in the address bar: http://localhost/<your_alias>/bitrix/install/default.aspx. The first installation step screen will open (see <u>The Bitrix Site Manager ASP.NET</u> Installation Wizard).



The Bitrix Site Manager ASP.NET Installation Wizard

Step 1. The Initial Screen

The first Wizard window informs you of the installation start up and displays the basic information on the product (fig. 2.36):



Fig. 2.36 The initial installation screen

□ Here, just click **Next**.



Step 2. The License Agreement

Nate O	Welcome to Bitrix Site Manager ASP.NET 5.5 Setup Wizard
BITRIX Set Manager	License Agreement
	END USER LICENSE AGREEMENT
1 Starting The Installation	NOTICE TO USER.
2 License Agreement	THIS IS AN AGREEMENT GOVERNING YOUR USE OF
3 License Key	BITRIX® SITE MANAGER ASP.NET 5.XX, FURTHER DEFINED HEREIN AS "PRODUCT". THE LICENSOR OF THE PRODUCT IS WILLING TO PROVIDE YOU WITH ACCESS TO THE PRODUCT ONLY ON THE CONDUCTION THAT YOU ACCEPT.
4 Preliminary Check	ALL OF THE TERMS AND CONDITION TAINED IN THIS AGREEMENT, BELOW, YOU ARE ASKED TO ACCEPT THIS
5 Database Creation	AGREEMENT AND CONTINUE TO INSTALL OR, IF YOU DO NOT WISH TO ACCEPT THIS AGREEMENT, TO DECLINE THIS AGREEMENT, IN WHICH CASE YOU WILL NOT BE ABLE
6 System Installation	TO INSTALL OF ODERATE THE DRODUCT BY INSTALLING
7 Create Administrator	I accept the License Agreement
8 E-Mail Configuration	← Back Next →
9 Finishing The Installation	
O BITRIX	
© 2007-2011 «Bitrix, Inc»	Installation Guide www.bitrixsoft.com Technical Support

Fig. 2.37 The license agreement

- □ Read the license agreement carefully. If you agree with the license terms, check the **I accept the License Agreement** box (fig. 2.37).
- □ Click **Next >>** to continue installation.



Step 3. The License Key

Here you will have to enter your license key (fig. 2.38):

O BITEX Failurente art transport	Welcome to Bitrix Site Manager ASP.NET 5.5 Setup Wizard
	License Key
and a state	License Key
1 Starting The Installation	"License Key: License Key:
2 License Agreement	which can be found in the confirmation e-mail message.
3 License Key	
4 Preliminary Check	← Back Next →
5 Database Creation	
6 System Installation	
7 Create Administrator	
8 E-Mail Configuration	
9 Finishing The Installation	
O BITRIX	
© 2007-2011 «Bitrix, Inc»	Installation Guide www.bitrixsoft.com Technical Supr

Fig. 2.38 The license key

- If you have already purchased a license, enter the license key here. If you install the product for evaluation purposes, leave the default field value (DEMO).
- □ Click **Next** >> to continue.



Step 4. Preliminary Check

The installation wizard verifies whether your system conforms the minimum system requirements and checks the disk access permissions (fig. 2.39):

Teliminary Check		
Required system parameters		
Your system must conform the requirement ndicates that it requires your attention; you s not guaranteed to operate normally.	nts. Any param u need to fix it	eter showing in red . Otherwise, your websit
Parameter	Required	Current Value
IIS Web Server Version	5.1 or highe	r 7.5
Microsoft .NET Framework Version	3.5 or highe	r 3.5 SP1 or higher
Trust Level	Medium	Unrestricted
he website scripts must have write acces ssential for proper operation of the Site Ex siteUpdate system which upgrades the sy	s to the websi xplorer module stem kernel to	te files. This requirement , file uploads and the the latest version.
TISK ACCESS CRECK The website scripts must have write acces ssential for proper operation of the Site Ex SiteUpdate system which upgrades the sy Parameter	s to the websi xplorer module stem kernel to	te files. This requirement , file uploads and the the latest version. Value
The website scripts must have write access essential for proper operation of the Site Ex SiteUpdate system which upgrades the sy Parameter Public Section C:\Program Files\Bitrix ASP.NETeee\web	s to the websi xplorer module stem kernel to N R a	te files. This requirement , file uploads and the the latest version. Value ead and write access llowed
The website scripts must have write access essential for proper operation of the Site Ex SiteUpdate system which upgrades the sy Parameter Public Section C:\Program Files\Bitrix ASP.NETeee\web Site Kernel C:\Program Files\Bitrix ASP.NETeee\web	s to the websi xplorer module stem kernel to N N N N N N R a	te files. This requirement , file uploads and the the latest version. Value ead and write access llowed ead and write access llowed
The website scripts must have write access essential for proper operation of the Site Ess SiteUpdate system which upgrades the sy Parameter Public Section C:\Program Files\Bitrix ASP.NETeee\web Site Kernel C:\Program Files\Bitrix ASP.NETeee\web File C:\Program Files\Bitrix ASP.NETeee\web\web.config	s to the websi xplorer module stem kernel to N al Nbitrix\ al R	te files. This requirement , file uploads and the the latest version. Value ead and write access llowed ead and write access llowed ead and write access llowed
The website scripts must have write access essential for proper operation of the Site Ex SiteUpdate system which upgrades the sy Parameter Public Section C:\Program Files\Bitrix ASP.NETeee\web Site Kernel C:\Program Files\Bitrix ASP.NETeee\web File C:\Program Files\Bitrix ASP.NETeee\web\web.config Catalog C:\Program Files\Bitrix ASP.NETeee\web\bitrix\modules\	s to the websi xplorer module stem kernel to N R al N <i>bitrix</i> R al	te files. This requirement , file uploads and the the latest version. Value ead and write access llowed ead and write access llowed ead and write access llowed ead and write access llowed

Fig. 2.39 Checking the system

If your system does not match minimum requirements, the problem description in red will display on the top of the screen. The detailed description of the incompatibility can be found in the page body. You cannot continue installation until you fix the problem.

□ Click **Next** >> to continue.



Step 5. Database Creation

Here the database connection configuration file is created. The database is populated with data (fig. 2.40):

Database Creation		
Database Parameters		
*Server:	Iocalhost\BITRIX The server at which Microsoft SQL Server is running	
Database User:	 Existing New Use Windows Authentication 	
*User Name:	sa Database connection login	
Password:	Database connection password	
Database:	⊘ Existing● New	
*New database:	bitrix The database to which the system is about to be installed	
Database Administrator Parameters		
	Use Windows Authentication	
*Login:	Sa The administrator login is required to create a new database or a user.	
Password:	The database administrator password	



Database Parameters Group

- Server: Server that hosts the MS SQL database engine, and the MS SQL instance name (e.g. BITRIX) specified when installing MS SQL.
- **Database User**: If checked, a new database user will be created. Otherwise, the currently existing user will be used.
- Use Windows-Authentication: if checked, the database connection will be established using the Windows user account under which IIS is running (usually NETWORK SERVICE).



- User Name: a user name (login) of an MS SQL database user to access the database.
- **Password**: the password to access the database.
- Database: specified if a new database is to be created.
- **Database Name (New database)**: the name of a new database to which the product will be installed (if you choose to create a new database).

Database Administrator Group

- Use Windows-Authentication: if checked, the database connection will be established using the Windows user account under which IIS is running (usually NETWORK SERVICE).
- Login: the administrator's login to be used for connection to the database.
- Password: enter the password specified when installing MS SQL.

Additional Parameters Group

- **Purge Database Before Installation:** if checked, all the existing data will be deleted from the database.
- □ Click **Next** >> to continue.


Step 6. System Installation

Here the system creates the database and copies files. This step does not require any user interaction. When the step is completed, the installation wizard will open the next installation step.

O BITEX Setti cetti org to anoty	Welcome to Bitrix Site Manager ASP.NET 5.5 Setup Wi
Communities	System Installation
D BITRIA Site Manager	Installing the module "Currencies": configuring the web application
1 Starting The Installation	
2 License Agreement	
3 License Key	
4 Preliminary Check	
5 Database Creation	
6 System Installation	
7 Create Administrator	
8 E-Mail Configuration	
9 Finishing The Installation	
© 2007-2011 «Bitrix, Inc»	Installation Guide www.bitrixsoft.com Technic

Fig. 2.41 The system is being installed

Step 7. Creating The Website Administrator's Account

Here you will configure the web site and create a website administrator's account (fig. 2.42). The administrator's account provides full access to web site management and configuration. After the installation is complete, you can create more users with less permissions.



O strex for to street	Welcome to Bitrix	Site Manager ASP.NET 5.5 Setup Wizard
	Create An Adminis	strator
Stelland		Site Administrator Parameters
1 Starting The Installation	Display Name:	Website Administrator
2 License Agreement	*Login:	admin At least 3 characters.
3 License Key	·Dassword	•••••
4 Preliminary Check	Password.	At least 7 characters. One of the characters in the password must not be alphanumeric.
5 Database Creation	*Confirm Password:	•••••
J Database Creation	"E-Mail:	jsmith@testsite.com
6 System Installation	First Name:	John
7 Create Administrator	Last Name:	Smith
8 E-Mail Configuration		
9 Finishing The Installation		Next ->
O BITRIX		
© 2007-2011 «Bitrix, Inc»		Installation Guide www.bitrixsoft.com Technical Support

Fig. 2.42 Creating the site administrator's account

- □ Fill in all the form fields:
- Display Name: the administrator's name as it appears on the website.
- Login: the site administrator's login to access Control Panel. The login should contain 3 characters at least which can be Latin letters and digits only.
- Password: the site administrator's password to access Control Panel. A good password contains 6 or more characters which can be Roman letters and digits, and at least one non-alphanumeric character (*, ~ etc.).
- Confirm Password: type in the password again to ensure it is correct.
- E-Mail: the site administrator's e-mail address.
- First Name: the website administrator's first name.
- Last Name: the website administrator's last name.
- □ Click **Next** >> to continue.



Step 8. E-Mail Configuration

Here you will set and test the e-mail server parameters (fig. 2.43).

Ourse and Control of C	Welcome to Bitrix Site Ma	anager ASP.NET 5.5 Setup Wizard
BUT RUX many	E-Mail Configuration	
Site Manue	E	Mail Parameters
1 Starting The Installation	SMTP Server Address:	mail.bitrixsoft.com
2 License Agreement	SMTP Server Port:	465
License Key	Login:	-cy-Histay
Cicense Rey	Password:	•••••
Preliminary Check		☑ Use SSL
5 Database Creation	Default Sender E-mail:	site Administrator <jsmith@testsite.com></jsmith@testsite.com>
System Installation		For example: admin@example.com or Admin <admin@example.com></admin@example.com>
	Co	nfiguration Check
Create Administrator	Test Message Recipient E-mail:	@testsite.com
E-Mail Configuration		
Finishing The Installation		Send Test E-mail Next ->
O BITRIX		
© 2007-2011 «Bitrix, Inc»	In	stallation Guide www.bitrixsoft.com Technical Supr

Fig. 2.43 Providing the e-mail server parameters

- SMTP Server Address: the address of an SMTP server to send mail.
- **SMTP Server Port:** the port number depends on the connection type: 25 is for simple transfer and 465 for secure transfer (using SSL). If you use port 465, check the option **Use SSL**.
- Login: the e-mail box username.
- Password: the e-mail box password.
- Default Sender E-mail: the website administrator's e-mail address.
- Test Message Recipient E-mail: the e-mail address to which the test message will be sent.

To ensure your parameters are correct, click **Send Test E-mail**. If the test message appears in the e-mail box specified in **Test Message Recipient E-mail**, your settings are correct and you can proceed with the installation.



Step 9. Finishing the Installation

As soon as the installation has been completed, the system will start the site configuration wizard.

The Configuration Wizard

Step 1. Select A Solution

Select the desired solution for your website. The solutions vary in design, type of information and the initial settings.



Fig. 2.44 Selecting a solution to install



Step 2. Select A Color Theme

Choose the color theme for the solution you have selected previously. Different solutions offer different color themes.

Name C Manager	Bitrix Site Manager ASP.NET Installation
Bitrix Ste Manager	Select Solution Color Theme
1 Select Solution	
Solution Installation	1. Blue 2. Indigo 3. Grey 4. Light Blue 5. Pink
	6. Red
	<section-header><section-header><section-header><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></section-header></section-header></section-header>
O BITRIX	Eleite Chairs
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Fig. 2.45 Selecting a solution color theme

Step 3. Solution Installation

Here you will set the parameters for the selected solution.

Note: the subsequent wizard screens are different and depend on the selected solution.



For example, the solution **Site Starter: A Manufacturer's Website** will show the following option screen:

10	Bitrix Site Manager ASP.NET Installation
Saulat	Configure Solution
Str Made	Logo (recommended size: 210 X 60)
1 Select Solution	Furniture Company
2 Select Theme	Browse
3 Solution Installation	Banner (recommended size: 400 X 140)
4 Finishing The Installation	Browse
	Company Slogan
	Company slogan Company slogan placeholder
	Copyrights
	Q201-2011 «Company names Address Phone : Phone ::::::::::
	 ✓ Install Demo Data ✓ Overwrite Existing Files
O BITRIX	← Back Next →
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Fig. 2.46 The solution's option screen

- □ Type in the company logo and the copyrights.
- If you install the system for evaluation purpose, check the option Install Demo Data.
- Click Next.

The installation process is now in progress:





Fig. 2.47 The solution is being installed

Step 4. Finishing The Installation

Once you have set and apply the required parameters, the wizard will inform you that the configuration has been successfully completed.





Fig. 2.48 The final step

Click Go to site to open the website's title page in the browser.



Chapter 3. Using A Windows Installer Package to Install Bitrix Site Manager ASP.NET

The Windows installer for Bitrix Site Manager ASP.NET exists in two options: the full and the standard installers. The both variants perform the required IIS configuration and assign proper file permissions. However, the full installer includes all the software required to properly install and run the system:

- Microsoft .NET Framework 3.5;
- MS SQL Server 2005 Express;
- ASP.NET AJAX Extensions 1.0.

The full installer, in its turn, can install the trial product (by downloading and running **bitrix_net_trial_en.exe**), or the fully functional commercial version (**bitrix_net_en.exe**).

The standard installer installs only the Bitrix Site Manager files. All the software specified above must be installed on your system. Analogously to the full installer, standard option exists two variants: the trial the in version (bitrix_net_web_trial_en.exe) and the commercial version (bitrix_net_web_en.exe).

Preparing to Install

- Download the required installer version. The trial installers are available at <u>http://www.bitrixsoft.com/download/aspnet/</u>. To download the commercial version, go to <u>http://www.bitrixsoft.com/download/sources.php</u>.
- Run the downloaded file. The initial screen of the installation wizard will appear.

Use the **Next** and **Back** buttons to navigate through the wizard steps. The **Back** button allows you to return to a previous step if you need to change the installation preferences. Click **Cancel** whenever you want to abort the installation.



Step 1. The Initial Installation Screen



Fig. 3.1 The first step of the installation wizard

The first wizard window informs you that the installation is starting and displays the basic information about the product (fig. 3.1).

Click Next.



Step 2. The License Agreement

🔾 Setup - Bitrix Site Manager ASP.NET	x
License Agreement Please read the following important information before continuing.	0
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.	
END USER LICENSE AGREEMENT	·
NOTICE TO USER:	
THIS IS AN AGREEMENT GOVERNING YOUR USE OF BITRIX® SITE MANAGER ASP.NET 5.XX, FURTHER DEFINED HEREIN AS "PRODUCT". THE LICENSOR OF	
THE PRODUCT IS WILLING TO PROVIDE YOU WITH	Ŧ
I accept the agreement	
I do not accept the agreement	
< Back Next >	Cancel

Fig. 3.2 The License Agreement

Read the **License Agreement** carefully (fig. 3.2). If you accept the license terms, check the **"I accept the agreement**" option.

You must accept the License Agreement to continue installation.

Click **Next** to open the next Wizard window.



Step 3. Choosing the Installation Folder

🔾 Setup - Bitrix Site Manager ASP.NET
Select Destination Location Where should Bitrix Site Manager ASP.NET be installed?
Setup will install Bitrix Site Manager ASP.NET into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\Bitrix ASP.NET Browse
At least 77.3 MB of free disk space is required.
< Back Next > Cancel

Fig. 3.3 Destination folder selection

- □ Specify the folder to which the Bitrix Site Manager ASP.NET will be installed (fig. 3.3).
- Click **Next** to continue installation.



Step 4. The Web Server Parameters

🜔 Setup - Bitrix Si	te Manager ASP.NET
Web Server St Please enter	the address at which your new demo site will be available.
The Setup wil Framework 3.	l install all the software required by the system: Microsoft .NET 5 and Microsoft SQL Server 2005 Express Edition.
Please provid Services (the	e additional startup parameters for Microsoft Internet Information virtual directory alias to access the virtual directory).
Alias:	BitDotNet
📃 Don't crea	te an IIS virtual directory.
This edition su install Microso	upports Microsoft SQL Server 2005 Express Edition. Do you want to ft SQL Server 2005 Express Edition?
Yes, instal	Microsoft SQL Server 2005 Express Edition
🔘 No, I alrea	ady have a database installed.
	< Back Next > Cancel

Fig. 3.4 Web server parameters

- Specify the virtual directory alias (only the Latin letters can be used here).
- Otherwise, if you intend to use an existing directory, or want to create a directory manually after the installation is complete, check the **Don't** create an IIS virtual directory option.

If you are running the full installer, this screen contains the database installation options.

If you already have MS SQL installed, select the "No, I already have a database installed" option.
 Otherwise, select the "Yes, install Microsoft SQL Server 2005 Express Edition".

Note: Windows Installer version 3.1 or later is required to install Microsoft SQL Server 2005. This installer version is included in Windows XP SP3 and latest operation systems. You can download the latest version of Windows Installer from Microsoft Corporation web site if required.

No database options exist in the standard installer.



Click Next.



Step 5. Confirm Installation

🔾 Setup - Bitrix Site Manager ASP.NET	
Ready to Install Setup is now ready to begin installing Bitrix Site Manager ASP.NET on your computer.	Õ
Click Install to continue with the installation, or click Back if you want to review or change any settings.	
Destination location: C:\Program Files\Bitrix ASP.NET Additional tasks: Bitrix Site Manager ASP.NET 5.5.1 Setup Virtual Directory Creation Database Creation File And Folder Access Permissions	*
< >	Ŧ
< <u>B</u> ack Install C	Cancel

Fig. 3.5 The installation confirmation window

□ Review the installation parameters and click Install (fig. 3.5).

You can watch the system installation by the progress indicator (fig. 3.6):



💫 Setup - Bitrix Site Manager ASP.NET	
Installing Please wait while Setup installs Bitrix Site Manager ASP.NET on your computer.	
Extracting files C:\\Bitrix.CommunitySite\solution_en\templates\taby\images\auth-corners.gif	
Cancel)

Fig. 3.6 Installation in progress

If you are running the full installer, the third-party software (e.g. **MS SQL Server 2005**) will be installed after the Bitrix Site Manager ASP.NET files has been copied (fig. 3.7):



Microsoft SQL Server 2005 Setup	
Setup Progress The selected components are being config	ured
Product	Status
SQL Setup Support Files SQL Native Client SQL VSS Writer SQL Server Database Services Workstation Components, Books Onlin	Configuring components
Status	<< Back Next >> Cancel

Fig. 3.7 Installing the additional software



Step 6. The Final Step

This window informs that the system has been successfully installed on your machine (fig. 3.8):



Fig. 3.8 The final step of the installation

□ Click **Finish**. The installer will run the default system Internet browser in which the web stage of the installation will proceed.



Running Bitrix Site Manager

The First Run

When the installation wizard has completed, an Internet browser window will open in which you will continue to install Bitrix Site Manager ASP.NET. If the browser failed to launch automatically, run it manually and type

http://<your_server>/<your_alias>/bitrix/install/default.aspx

in the address bar (the local installation usually implies that *<your_server>* is *localhost*).

If you have installed the system using the standard installer, the web stage contains 7 steps (see <u>The Bitrix Site Manager ASP.NET Installation Wizard</u>).

With the full installer, the web stage steps depend on the selected options (fig. 3.4):

- if you have installed on an existing instance of MSSQL, the web stage will include 7 steps (see <u>The Bitrix Site Manager ASP.NET Installation Wizard</u>);
- if you have selected to install and configure MSSQL, the web stage will include only 2 steps, the first of which is the step 6 of the full sequence (see <u>Step 6. Creating an Administrator's Account</u>), and the second is the step 7 (see <u>Step 7. Finishing The Installation</u>).

Subsequent Runs

Whenever you want to run your site, open the browser and type the site URL (*http://<your_server>/<your_alias>/* (*<your_server>* is usually *localhost* on local installations).



Chapter 4. Registration Procedure

You can evaluate the trial version for 30 days. If you obtain a trial license key, you will be able to update your system during the evaluation period.

Note that you must activate the commercial version using a commercial license key before you can use it.

Registering the Commercial Version

Registration entitles you to obtain latest system updates and receive support from the Bitrix technical support service. Moreover, having registered your commercial version, you can access the Bitrix private forum where users and Bitrix developers communicate and discuss important issues and resolve problems.

To register your copy:

- □ In Control Panel, open the system update form (*Settings -> Update*).
- Click Edit Settings on the context toolbar. The Update System settings form will open (fig. 4.1):

Update Server URL:	http://www.bitrixsoft.com	
License Key:	××××××××××××××××××××××××××××××××××××××	
Install Stable Versions Only:	V	
Safe Update (may consume more resources):		
Default Update System Language:	English 💌	
Update System Database Connection String:		
Database Owner:	dbo	
E-mail Address For Notifications About New Updates:		

Fig. 4.1 The Update System settings

• Paste your commercial license key in the **License Key** field.



Note: you should have received the commercial key upon purchase.

Click **Save**. The license key activation form will open (fig. 4.2):

U Licence Key Activ	ation					
You have to activte you	r license key befo	re using the upda	ite system.			
Registration Informatio	n					
Product Copy Owner:	My Company, Inc.		Company name or the first and last names of a person who owns this product copy			
Site URL:	www.mysite.com, I	ocalhost	All domains that will be powered by Bitrix Site Manager including test domains			
Owner Phone Number:	7034 4589 55		The phone number of a product copy owner (company or person)			
*E-mail for Licensing and jsmith@mysite.com		n	E-mail of your company or a private person for licensing issue and technical support			
*Contact Person:	John Smith		First and last names of a contact person			
*Contact Person E-mail:	son E-mail: jsmith@mysite.con		Contact person's e-mail address for contacts regarding technical issues, registration information and techsupport renewal reminders			
Contact Person Phone:	4895 5874 22		Contact person phone			
Contact Information:			Address and other contacts of the product copy owner			
Bitrix Company Site Us	er					
If you are still not register information (first and last i www.bitrixsoft.com, you ci you may encounter.	ed at www.bitrixso names, desired login an take advantage o	ft.com, ensure the n and password) in t f the automated tee	"Create User" option is enabled and enter your personal he corresponding fields. Having registered at hsupport and the private forum to resolve any issue			
	✓	Create User at www	v.bitrixsoft.com			
*First Name:		John				
*Last Name:		Smith				
Login (3 or more charact	ers):	jsmith				
*Password:		•••••				
*Password Confirmation:		•••••				
Activate Licence Key						

Fig. 4.2 The license activation form

□ Fill in the form fields.

Note: the fields marked with * are required.

- **Key Owner**: specify the name for which the registration key was issued. This can be a company or an individual person;
- Site Address: specify the URL's of the sites that will be managed using this commercial key;

- **Client's Phone Number**: the contact phone number including the country and the area codes;
- E-mail Address For Licensing And Usage Contacts: this e-mail address will be used by the Bitrix company personnel when there's a need for a contact;
- **Contact Person Responsible For This Product Copy**: specify here the full name of a contact person including salutation;
- **Contact Person's E-mail Address** / **Phone Number**: the e-mail address and the phone number of the above person;
- Contact Information: any additional contact information you consider essential;
- Create User At www.bitrixsoft.com: check this box if you have not registered at the Bitrix web site yet. If so, upon successful activation, you will be registered there using the personal information provided. Registration enables you to contact the techsupport service directly and post to the private forum.
- Click Activate License Key. Now the license is active; you can start using your site.



Registering the Trial Version (DEMO)

If you have installed the trial version, you will see the **License Not Found** message when opening the **Settings** -> **Update** page.

You should obtain the trial license key because it enables you to get the latest system updates during the evaluation period.

Click the "trial license key" link. The browser will proceed to the "Bitrix Site Manager ASP.NET Trial Version Registration" page at the Bitrix Inc. web site showing the registration form to complete.

Bitrix Site Manager ASP.NET Trial Version Registration						
Please fill out the registration form below to obtain a trial license key to activate the SiteUpdate feature of your installation.						
Name*:	John					
Last Name*:	Smith					
E-mail*:	jsmith@example.com					
Company:						
Phone:						
Website URL*:	http://mysite.com					
	website where a trial version is located					
License Type*:	Start .NET 🗸					
MS SQL Express:						
	Submit					

Fig. 4.3 The registration form

Fill in the form fields:

Note: the fields marked with * are required.

- Last name, First name: specify your last and first names.
- E-mail: specify your e-mail address. This must be a valid address; the trial key will be sent to it.
- Company: the company name.
- Phone: the phone number.
- Site URL: specify the exact address of a site that runs the trial version of the system. If you are evaluating the system on a local computer, type localhost here.
- License type: select Start .NET.
- MS SQL Express: check this box if you are running on MS SQL Express.
- □ Complete the form and click **Send**. The system will inform you that your request is now put in the submission queue (fig. 4.4):



Bitrix Site Manager ASP.NET Trial Version Registration

Your request has been submitted. Trial license key will be sent to jsmith@example.com in several minutes.

Fig. 4.4 The trial key request notification message

A message containing the license key will be sent to the address you have previously specified in the trial registration form (fig. 4.):

Hello,
Thank you for your interest in Bitrix Site Manager - Start .NET.
Your demo license key is: NET-XX-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
This license key is valid from 10/22/2009 to 11/21/2009
To activate your license key you should input this key in the Updates section of your site (menu item Settings -> Updates).

Fig. 4.5 A message with the trial key

You can now copy and paste this key in the Control Panel form (fig. 4.1):

- □ In Control Panel, open the system update form (Settings -> Update).
- Click Edit Settings on the context toolbar. The Update System settings form will open (fig. 4.1).
- □ Paste your license key in the License Key field.
- Click Save. Now your system is enabled to receive updates until the 30day evaluation period expires.

After you have evaluated the trial version, you can register it again using a commercial license key. To get a commercial license key, you will need to purchase a Bitrix Site Manager ASP.NET license and enter the new key. Upon successful registration, you will get a fully functional commercial version.

Registering the Trial Version Using a Commercial Key

If you have installed a trial (encoded) version, and purchased a commercial key some time later, you can register your copy thus making it a commercial version.

- □ In Control Panel, open the system update form (*Settings -> Update*).
- Click Edit Settings on the context toolbar. The Update System settings form will open (fig. 4.1).
- Paste your commercial license key in the License Key field. Click Save.
- Fill in the key activation fields (see <u>Registering The Commercial</u> <u>Version</u>).
- Click Activate License key.



• Click **Register** in the registration form.

Note: you can register the product only after you have activated the license key.

Now your copy is fully registered which entitles you to obtain latest system updates and receive support from the Bitrix technical support service.



Chapter 5. The Update System

The system updates, just as the technical support, are available within a year after the moment of registration of the purchased license. If you want to access these services after that period, you will have to renew your license.

The system updates can be downloaded and installed automatically or manually. The default behavior is to update the system without your assistance, i.e. automatically.

The Update System Settings

To configure the Update System:

- □ In Control Panel, open Settings > Update System.
- Click Change Settings. The Update System settings form will open (fig. 5.1).

Update Server URL:	http://www.bitrixsoft.com	
License Key:	××××××××××××××××××××××××××××××××××××××	
Install Stable Versions Only:		
Safe Update (may consume more resources):		
Default Update System Language:	English 💌	
Update System Database Connection String:		
Database Owner:	dbo	
mail Address For Notifications About New		

Fig. 5.1 The Update System settings form

Main Settings

The following options are available on the Update System Settings tab.



- **Update Server URL**: the address of the server containing the update resources (must be http://www.bitrixsoft.com).
- License Key: your commercial key.
- Install Stable Versions Only: if checked, only the stable and tested versions of the system modules will be installed. Otherwise, beta-versions will be also installed.
- **Safe Update**: if checked, the affected files will be backed up before they are replaced.
- **Default Language**: the language to use in automatic mode. This mode can be enabled or disabled on the **Automation** tab (fig. 5.2).
- Update System Database Connection String: specifies the connection data for the current database server.
- Database Owner: the database owner login.
- E-mail Address For Notifications About New Updates: the e-mail address to which the update notifications will be sent.

Autoupdate

The Automation tab specified the parameters of automatic update mode (fig. 5.2):

Update System Settings Automation	Proxy Settings
Automation	
Download Updates Automatically: After the system is started, initiate first update check after: Check for new updates each:	 ✓ 30 seconds 3600 seconds
Save Apply Cancel	

Fig. 5.2 The "Automation" tab

Download Updates Automatically: if checked, the updates will be downloaded and installed automatically.

Initiate Update Check After: specifies the time to wait before checking for updates for the first time after the system has started.

Check For New Updates Each: specified the period between subsequent checks.

Updating Via Proxy Server

Bitrix Site Manager ASP.NET has an option to receive updates via the proxy server. The only thing you have to do is specify the proxy server parameters at the **Proxy Settings** tab (fig. 5.3):



Jpdate System Settings Automation	Proxy Settings
Proxy Settings	
Use Proxy:	
Proxy Address:	
User Name	
Password:	
Confirm Password:	

Fig. 5.3 Proxy settings

Use Proxy: check to download updates using the specified proxy server.

Proxy Address: the address of a proxy server that will be used to connect to the update server.

User Name: the proxy server user name (login).

Password: the proxy server password.

Confirm Password: type the password again to verify it.



Manual Update

If the autoupdate feature is disabled (the **Download Updates Automatically** option is off fig. 5.2), you can update the system when you find it timely.

In Control Panel, open Settings > Update System or click on the Control Panel toolbar.

The system will check for available updates and display them (fig. 5.4).

Note: the Update System is also updated time after time. If a new version of the Update System exists, you will see a message saying you have to install a new version. The module updates will be available as soon as you install the update.

0	Download updates for your system	
	Total: 8 module updates	Download Updates
	Always install latest system updates to obtain new features, improve security and optimize system performance.	

- Fig. 5.4 Available updates
 - Click Download Updates. The system will start downloading the update files.

Install updates for your system	
Total: 8 module updates	Install Updates
Always install latest system updates to obtain new features, improve security and optimize system performance.	View Available Updates

Fig. 5.5 Installing the update files

After the updates has been downloaded, you can (fig. 5.5):

- install the updates;
- view the available updates before installing them (click View Available Updates).



V	Title	Туре	Version	Description
~	main	Module update	4.5.0	Description
V	iblock	Module update	4.5.0	Description
	search	Module update	4.5.0	Description
	communicationutility	Module update	4.5.0	Description
	forum	Module update	4.5.0	Description
~	blog	Module update	4.5.0	Description
~	advertising	Module update	4.5.0	Description
~	security	New module	4.5.0	Description

In the latter case, the list of updates will open (fig. 5.6):

Fig. 5.6 Available updates

Uncheck the updates you do not want to install.

Note: if any dependency exist between the selected updates, you have to select either all of them or none.

To view the description of an update, click the corresponding button. The description will open in a new dialog box (fig. 5.7).

Ipdate description 🛛 🛛 🖂
Image: product of tags for blog posts • Added support of tags for blog posts • Added support of tags for blog posts • Added custom fields support and several types of RSS export • Added support of HTML in blog posts using HTML Sanitizer - unsafe and redundant tags removal (offers security and a better code validity). • Added graphics, audio and video publication support for blog posts • Blog posts are now indexed by the Search module • WYSIWG for editing blog posts is supported This version requires the following updates to be installed: • module main version 4.5.0 or higher
This version requires the following updates to be installed: - module main version 4.5.0 or higher

Fig. 5.7 The update description



Click Install Updates to install the required updates.

After the updates has been installed, the notification message will appear (fig. 5.8).

0	Updates have been installed successfully.
	Installed updates: module main version 4.5.0 module iblock version 4.5.0 module search version 4.5.0 module communicationutility version 4.5.0 module forum version 4.5.0 module blog version 4.5.0 module advertising version 4.5.0 module security version 4.5.0

Fig. 5.8 The updates installation message



Chapter 6. Transferring A Site From A Local Machine To A Remote Server

This section contains step-by-step instructions on transferring the existing site from a local computer to a remote server.

Preparing the Site

Before you copy the site to a remote location, you have to archive the site files and export the database. These actions can be performed on a running local site.

Creating the Site Files Archive

- Using any file manager, open the folder containing the Bitrix Site Manager files.
- Open the **web.config** file for editing.
- □ Scroll to the **<connectionStrings>** section containing the connection parameters. Currently, the strings are configured for the local server.
- □ Change the **Data Source**, **User ID**, **Password**, **Initial Catalog** parameters to the values supplied by your Internet hosting provider.
- Create an archive of the folder containing the site files.

Note: as soon as you change the **<connectionStrings>** parameters, the local instance will be unable to connect to the database. If you want the local installation to keep running, revert the parameters to their original values after creating the archive.

Creating the Database Archive

- Download the free tool Microsoft SQL Server Database Publishing Wizard from the Microsoft Corporation web site.
- □ Install the tool to your computer.

Now you have the required software and can create the database archive.



Run the tool by selecting Start > Programs > Microsoft SQL Server Database Publishing Wizard > Data publishing Wizard. The archive creation wizard will start (fig. 6.1):



Fig. 6.1 The database archiving wizard





🖥 Data	base Publishing \	Wizard						×
Selec Sel	ct Source Serv ect the server that cor	' er ntains the c	latabase	to publish.				
💿 Spe	cify server information							
	Server	localhosť	\BITRIX					
	Authentication OUse Windows au OUse SQL Server	uthenticatic authentica	on ation					
	Username		sa					
	Password		*****					
O Prov	ide connection string Connection string							
	(< Back		Next >	Fin	ish >>	Cancel] _

Fig. 6.2 Selecting the server

- □ Specify the server running your database (fig. 6.2).
- □ Select Use SQL Server authentication in the Authentication group.
- □ Type sa in the Username field.
- In the **Password** field, specify the password you have specified when installing **MS SQL Server 2005**. However, if you have installed Bitrix Site Manager ASP.NET using the full installer, type **bitrix**.
- □ Click **Next**.



🧧 Database Publishing Wizard		
Select Database Select the database you want to publish.		
Select a database:		
bbb_new bitrix_1 bitrix_2 Bitrix20081017102538 master model msdb tempdb		
Script all objects in the selected database		
< Back Next > Finish >>	Cancel	

Fig. 6.3 Selecting the database

□ Select the database for export (fig. 6.3).

Note: if you have installed the system using the full installer, the database name format is **<Database_Name><Date><Time>**. In the sample shown on the figure above, the database name is **Bitrix**20081017102538, here Bitrix is the database name, 20081017 is the date and 102538 is the time (10 hrs 25 min 38 sec).

Click Next.



🥫 Database Publishing V	Vizard	
Select an Output Lo Where would you like to p	ocation oublish the database to?	
Script mode		
File name:	s and Settings\DataBase_arhive\Bitrix20081017102538.sql	
Overwrite existing file		Browse
 Publish to shared hosting 	provider	
Provider	· · · · · · · · · · · · · · · · · · ·	More
Target database	· · · · · · · · · · · · · · · · · · ·	
Note: Existing objects in th	e hosted database will be overwritten	
(< Back Next > Finish >>	Cancel

Fig. 6.4 Selecting the destination file

- Specify the database archive file path name. The default name is the database name (fig. 6.4).
- □ Click Next.


🧧 Database Publishing Wizard				
Select Publishing Options Set advanced options before you publish the database.				
Options				
2↓ □				
🗆 General				
Drop existing objects in script	True	~		
Schema qualify	True			
Script for target database	SQL Server 2005			
Types of data to publish	Schema and data			
Drop existing objects in script Generates scripts that drop existing objects in target database before new objects are scripted.				
< Back (Next > Finish >> (Cancel		

Fig. 6.5 Additional export parameters

Leave the publishing options as they are (fig. 6.5).

Click Next. The next screen will show the export settings summary.



🧧 Database Publishing W	izard	
Review Summary Review the selections for t	he wizard.	
Review your selections		
 Source Server Database Username Target Single file Options General 		
[< Back Next >	Finish Cancel

Fig. 6.6 Database export settings

- □ Verify that all the settings are correct (fig. 6.6).
- □ Click **Finish**. The database archive is now being created.



🖥 Da	tabase Publishing Wizard		
Dat	tabase Publishing Progres The publishing operation is currently in pr	S ogress.	· ·
	Success	3 Total 3 Success	0 Error 0 Warning
Det	ails:		
	Action	Status	Message
0	Gathering list of objects to script	Success	
0	Scripting objects	Success	
0	Writing script to disk	Success	
		Stop	Report 🔻
			Close

Fig. 6.7 The export results

□ Click **Close** to exit the wizard (fig. 6.7).



Transferring The Site

- Get the FTP connection parameters and the database connection parameters from your hosting company.
- Download the site deployment scripts (78 KB) from <u>http://www.bitrixsoft.com/download/dotnet/deploy_script.zip</u>.
- □ Upload the size archive via FTP. Don't extract files from the archive.
- □ Upload the database deployment scripts.
- Run the script by opening the URL: <u>http://<your_server>/BitrixDeploy.aspx</u>. The script will show the following user interface in the browser window (fig. 6.8):

Run SQL		
SQL Server Host:	********.masterhost.ru	
Database Name:	*****	
User Name:	******	
User Password:	******	
Test Connection		
Upload SQL Commands File:	DataBase_archive\Bitrix20081017102538.sql	Upload & Execute SQL
Open SQL Commands File:	~/sql_commands.sql	Open & Execute SQL
Archive Virtual Path: Target Directory Virtual Path:	~/bitrix_net_trial.zip ~/	
Extract Clean directo	ory	
Directory Virtual Path:	~/	
Clean Directory		
Remove this	script from site	
Remove		

Fig. 6.8 The extractor script front-end

Fill in the SQL server connection fields. Use the data obtained from your hosting company.

Click Test Connection. You should see the following message (fig. 6.9):



Operation has successfuly completed

Fig. 6.9 The successful connection message

- In the Upload SQL Commands File field, specify the database archive file pathname on your local computer.
- Click Upload & Execute SQL. The database archive will be imported to the remote server database. Unless you see an error message, the operation has completed successfully.
- Specify the site archive name in the **Archive Virtual Path** field.
- Click Extract. Unless you see an error message, the files has been extracted successfully.
- Click **Remove**. This will delete the site import scripts.

Note: you MUST delete the site import scripts to avoid site corruption or data theft.

The **Clean Directory** service button deletes all files in the folder specified in **Directory Virtual Path**. This feature can be useful if you have to quickly remove the files in this folder for some reason (e.g. due to archive damage).

Open the site by navigating to the site URL.



Chapter 7. Uninstalling The Application

To uninstall Bitrix Site Manager ASP.NET:

- □ Select Start > Control Panel> Add/Remove Programs.
- □ Find and select Bitrix Site Manager ASP.NET in the application list.
- Click Delete.

Note: the uninstall program will not remove the additional applications installed. You can uninstall them separately if required. However, uninstalling **Microsoft .NET Framework** is undesirable. If you still need to uninstall it, remember that it must be uninstalled last, after all the other applications are uninstalled.



Final Notes

This manual has given you instructions on the installation of Bitrix Site Manager ASP.NET.

You can ask your questions at the Bitrix corporate forum:

http://www.bitrixsoft.com/support/forums.php

Should you have any difficulty using Bitrix Site Manager, do not hesitate to send a request to the technical support service:

http://www.bitrixsoft.com/support/