Focus on your business!

Amiro.CMS – User Guide
System Installation and Customizing

www.amirocms.com

© 2000-2007 Amiro.CMS

System Installation and Customizing

System Installation and Customizing 2
System Installation 3
Technical Specifications 3
System Installation 4
Additional configuration 10
Basic System Customizing 11
System Start and License Key Installation 11
Solving Problems 12
Extended Initial System Customizing 13
Basic Knowledge 13
Customizing the Most Important Settings 14
Conclusion 16

System Installation

Technical Specifications

Amiro.CMS is one of the most reliable, functional and productive Content Management Systems available, but it does not place special demands on configuration of the web hosting and the client.

Hardware configuration requirements of the server

- Pentium 3 1000GHz and higher
- RAM 256MB and higher
- HDD 20GB and higher

Note: the hardware configuration requirements can increase for greater database volume and server traffic, or by non-optimal technical solutions.

Software configuration requirements of the server

- Operating system: Linux, FreeBSD (Amiro.CMS can also work on other Unix-like systems, but was not tested on them), Windows NT,2000,2003,XP,Vista
- Web server: Apache (1.3 and higher) or IIS 5, 6
- PHP version from 4.3.3 to (not including) 5.0.0 or 5.2.1 and higher. PHP versions 5.0.x – 5.1.x are not supported
- Zend Optimizer 2.5 or higher
- MySQL 4.0 or higher

PHP must include support for mysql, curl, zlib and image processing: gdlib or imagemagick (recommended). PHP must have “safe mode” turned off, set_time_limit() function enabled and memory limit set to 32 Mb or more.

Note: it is highly recommended that PHP work with permissions of the system user that owns FTP account or Backup and Update modules will not be fully functional.

Hardware and software configuration requirements of the site administrator

- Pentium Celeron 600MHz or higher
- RAM 128MB or higher
- HDD 1GB or higher
- Internet access 36.6KB/s or higher
- Internet Explorer 5.5 or higher

Hardware and software configuration requirements of site visitors

There are no unique requirements – just the common set-up for Internet use.

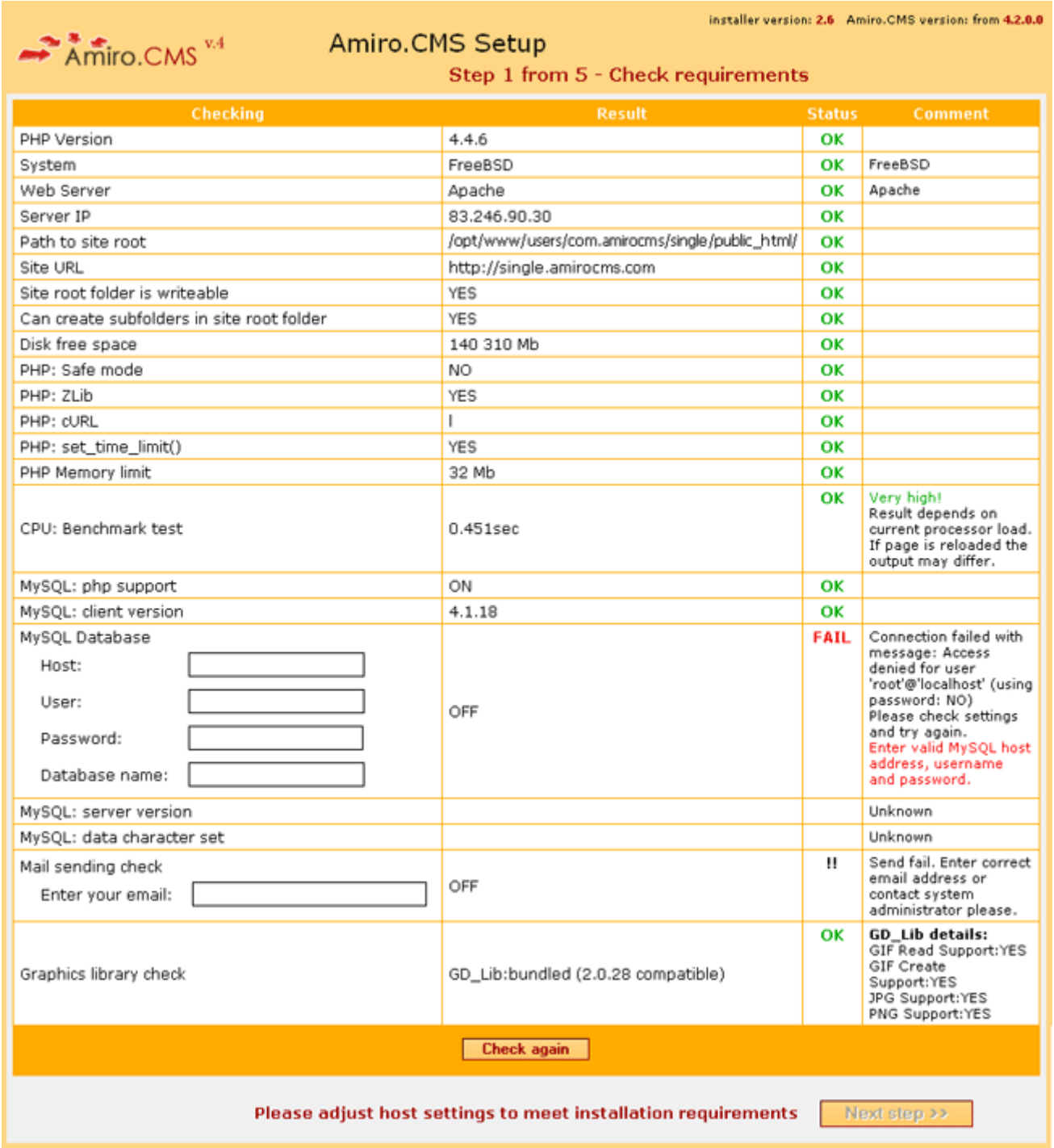
System Installation

The latest version of the installer and the tool for checking the existence of the Zend Optimizer are always available at http://distrib.amirocms.com/distrib/public/installer/. The basic instructions for the installation are also copied here for your reference.

To install the system, follow these steps:

1. Make sure that the Zend Optimizer is installed on the server. You can check it using the zendtest tool. To do so:
    - Download and unzip http://distrib.amirocms.com/distrib/public/installer/zendtest.zip
    - Upload the file **zendtest.php** to the site root
    - Open the tool at this address **http://your_domain/zendtest.php** in the browser, it will show whether or not the Zend Optimizer exists and is working on your server.
2. Download and unzip **amiro-install-x.x.zip** and upload the file **amiro-install-x.x.php** to the site root. Here and also in place of **amiro-install-x.x.zip** you should insert the real installer file name which is located at http://distrib.amirocms.com/distrib/public/installer/. In this example it is **amiro-install-2.5.zip**
3. If you have the distributive archive of the system or the site, upload it to the site root without unzipping it. **NOTE:** If you upload the file through FTP, make sure that the upload is performed in the BIN mode, not ASCII.

4. Open the installation program at this address **http://your_domain /amiro-install-x.x.php**.



installer version: 2.6 Amiro.CMS version: from 4.2.0.0

Amiro.CMS v.4

Amiro.CMS Setup

Step 1 from 5 - Check requirements

Checking	Result	Status	Comment
PHP Version	4.4.6	OK	
System	FreeBSD	OK	FreeBSD
Web Server	Apache	OK	Apache
Server IP	83.246.90.30	OK	
Path to site root	/opt/www/users/com.amirocms/single/public_html/	OK	
Site URL	http://single.amirocms.com	OK	
Site root folder is writeable	YES	OK	
Can create subfolders in site root folder	YES	OK	
Disk free space	140 310 Mb	OK	
PHP: Safe mode	NO	OK	
PHP: ZLib	YES	OK	
PHP: cURL	I	OK	
PHP: set_time_limit()	YES	OK	
PHP Memory limit	32 Mb	OK	
CPU: Benchmark test	0.451sec	OK	Very high! Result depends on current processor load. If page is reloaded the output may differ.
MySQL: php support	ON	OK	
MySQL: client version	4.1.18	OK	
MySQL Database Host: User: Password: Database name:	OFF	FAIL	Connection failed with message: Access denied for user 'root'@'localhost' (using password: NO) Please check settings and try again. Enter valid MySQL host address, username and password.
MySQL: server version			Unknown
MySQL: data character set			Unknown
Mail sending check Enter your email:	OFF	!!	Send fail. Enter correct email address or contact system administrator please.
Graphics library check	GD_Lib:bundled (2.0.28 compatible)	OK	**GD_Lib details:** GIF Read Support:YES GIF Create Support:YES JPG Support:YES PNG Support:YES

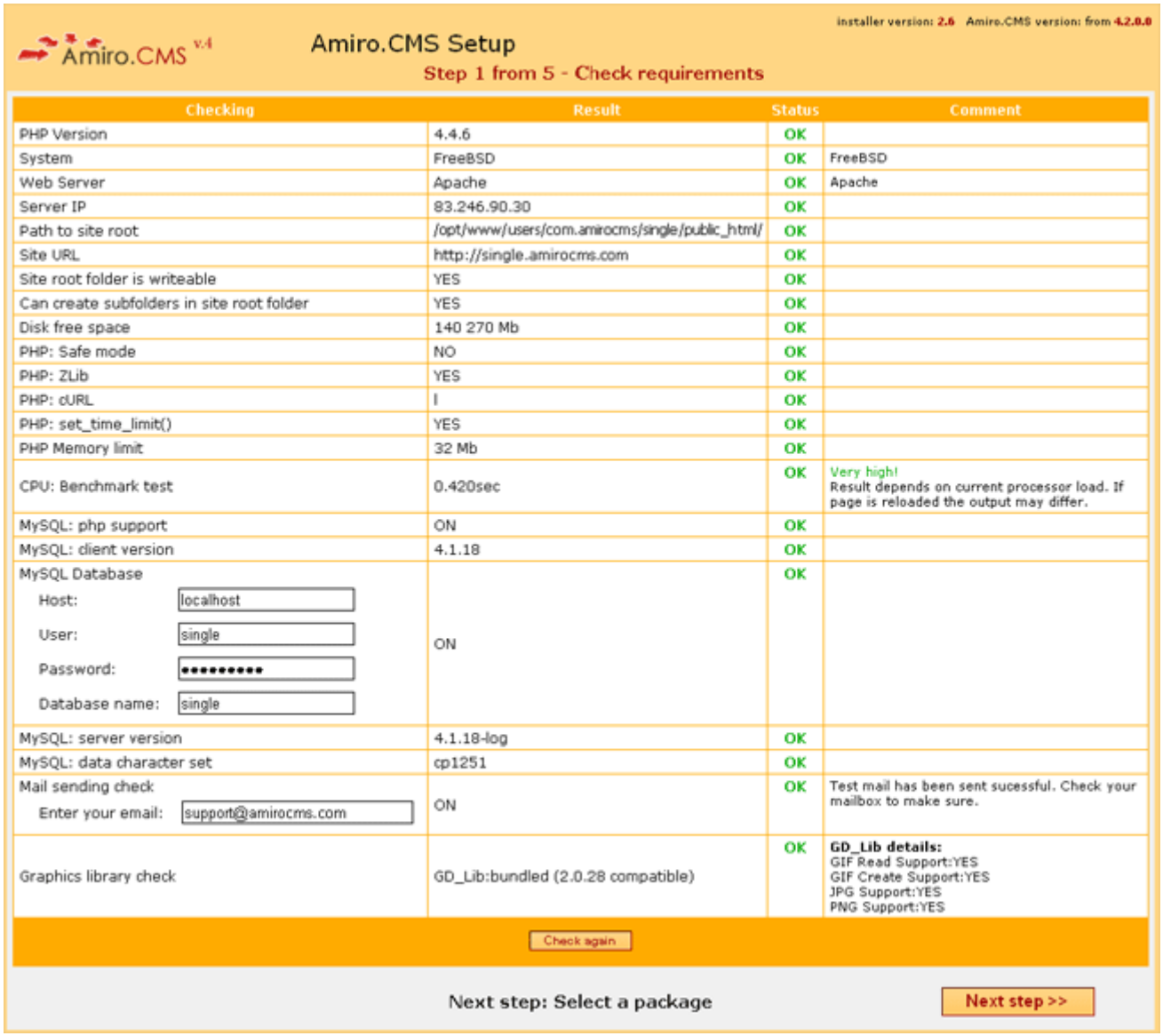
Check again

Please adjust host settings to meet installation requirements

Next step >>

Figure 1

5. Insert the parameters to access the database and the email to install the system. Then click "Check again". Repeat this step until the "Next step" button is available.



installer version: 2.6 Amiro.CMS version: from 4.2.0.0

Amiro.CMS v.4

Amiro.CMS Setup

Step 1 from 5 - Check requirements

Checking	Result	Status	Comment
PHP Version	4.4.6	OK	
System	FreeBSD	OK	FreeBSD
Web Server	Apache	OK	Apache
Server IP	83.246.90.30	OK	
Path to site root	/opt/www/users/com.amirocms/single/public_html/	OK	
Site URL	http://single.amirocms.com	OK	
Site root folder is writeable	YES	OK	
Can create subfolders in site root folder	YES	OK	
Disk free space	140 270 Mb	OK	
PHP: Safe mode	NO	OK	
PHP: ZLib	YES	OK	
PHP: cURL	I	OK	
PHP: set_time_limit()	YES	OK	
PHP Memory limit	32 Mb	OK	
CPU: Benchmark test	0.420sec	OK	Very high! Result depends on current processor load. If page is reloaded the output may differ.
MySQL: php support	ON	OK	
MySQL: client version	4.1.18	OK	
MySQL Database Host: localhost User: single Password: ••••••••• Database name: single	ON	OK	
MySQL: server version	4.1.18-log	OK	
MySQL: data character set	cp1251	OK	
Mail sending check Enter your email: support@amirocms.com	ON	OK	Test mail has been sent sucessful. Check your mailbox to make sure.
Graphics library check	GD_Lib:bundled (2.0.28 compatible)	OK	**GD_Lib details:** GIF Read Support:YES GIF Create Support:YES JPG Support:YES PNG Support:YES

Check again

Next step: Select a package

Next step >>

Figure 2

6. Click on the “Next Step” button to go to the choosing packet window.
7. If you uploaded the distributive at step 3, you will see:

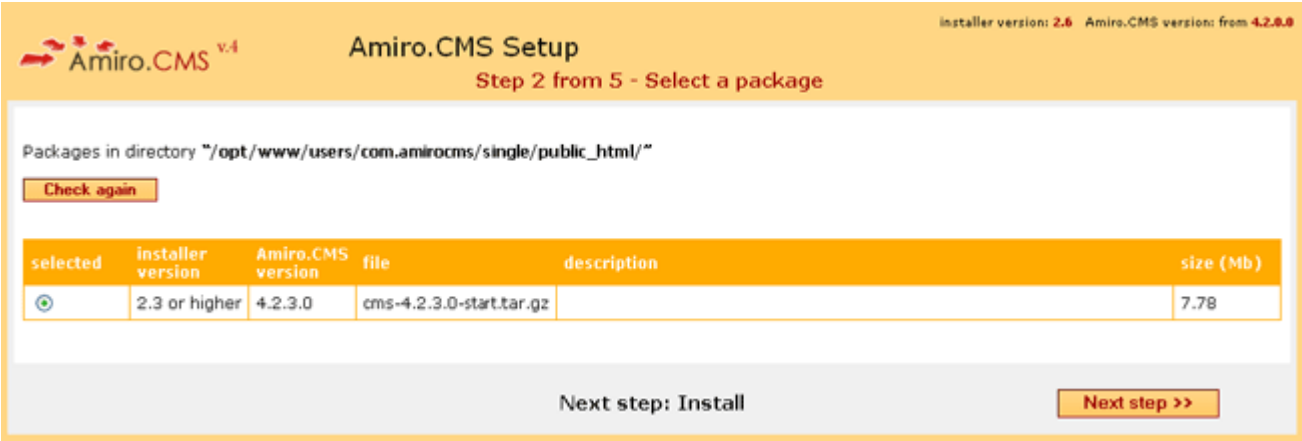


Figure 3

8. If you have the distributive, but you didn't upload it at step 3, you can upload it now. Once it is uploaded, click "Check again".
9. If you don't have the distributive, you can check for the latest version on one of the servers by choosing the desired server and clicking "Refresh list".
10. Choose the desired distributive and click "Next step". After that, confirm the installation of the required packet.
11. Wait as long the installer works.

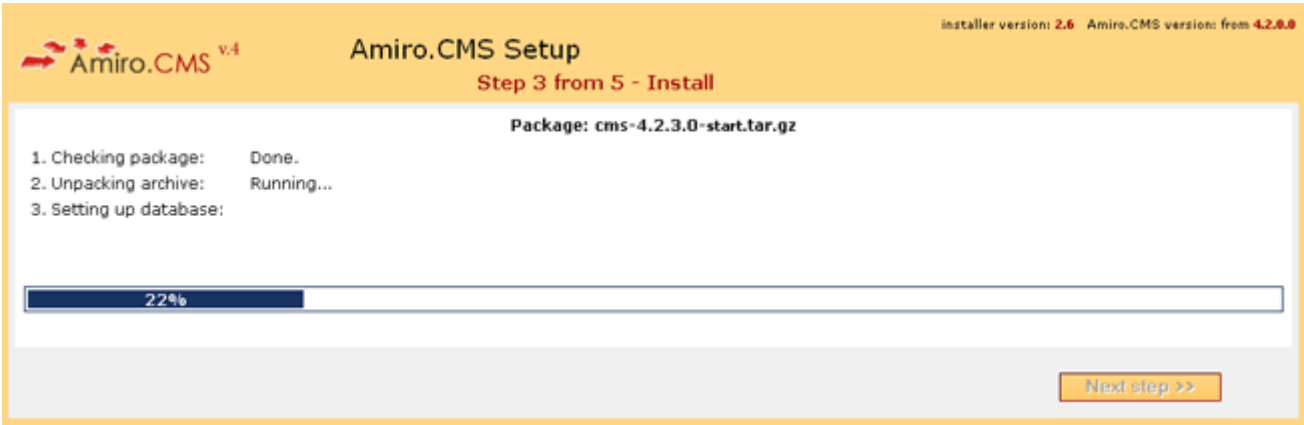


Figure 4

12. At the end of the installation, click “Next step”.

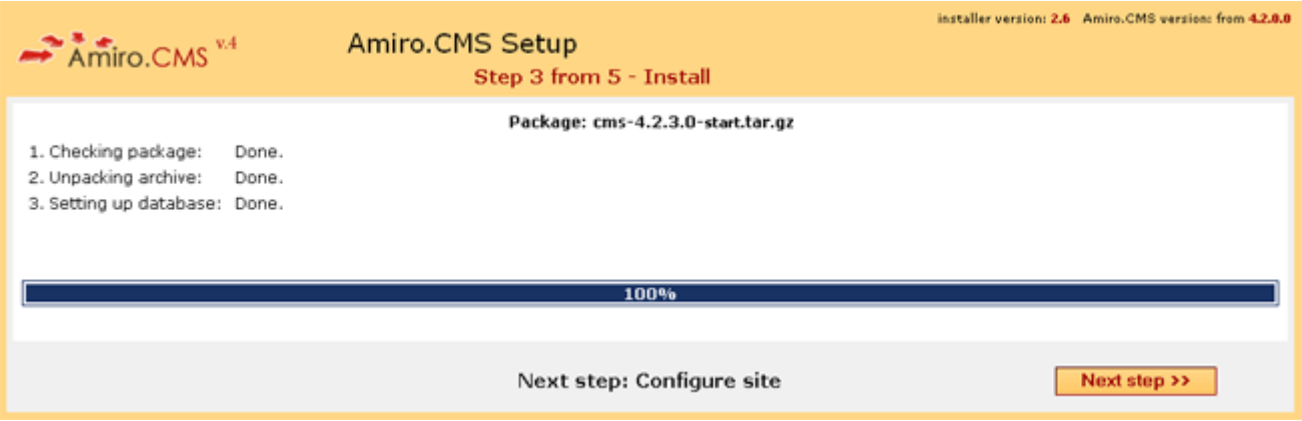


Figure 5

13. Fill in all necessary fields and enter the license key. The key also can be installed later in the administrator panel if necessary. The system will also suggest that you delete the existing installers. At the end of the data input, click “Next step”. **IMPORTANT!** Be sure to enter correct data from the very beginning so that you don’t have to change it later manually. **NOTE:** It is recommended to delete the installer as soon as the installation has ended for security reasons.

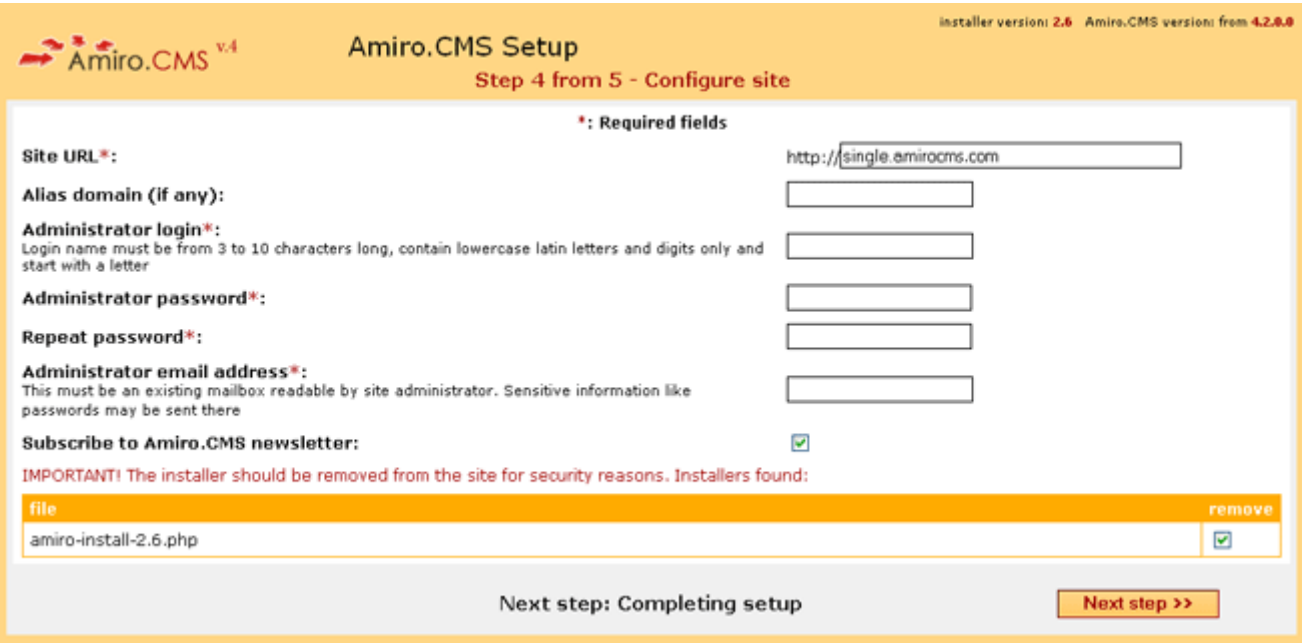


Figure 6

14. After the installation is complete you can open the main page of the site or move to the administrator panel.

installer version: 2.6 Amiro.CMS version: from 4.2.0.0
Amiro.CMS Setup
Step 5 from 5 - Completing setup
Amiro.CMS installation done.
ATTENTION! In order for the CMS to work the 404 HTTP error for http://single.amirocms.com/ must be handled by /pages.php or you will get "Page not found" errors when you try to access any page on the site except main page. Correct 404 error handling could not be configured automatically. Please configure the webserver as needed.
Click here to open your site in new window
Click here to open site admin panel in new window

Figure 7

Additional configuration

Web server customization

The 404 HTTP error must be handled by /pages.php script on your site or you will get "Page not found" errors when trying to access any page except main page . The installer attempts to configure error handling as needed, but in some cases it cannot be done automatically. If the installer couldn't customize the web server configuration, you will need to make the required changes described in this section manually.

For the Apache web server, add the following lines to the file named .htaccess in the root folder of the installed system (or create the file if it does not exist):

```
Options –Indexes
ErrorDocument 404 /pages.php
```

Note: If the system isn't located in the root folder of the virtual server, you will need to specify the full path in the redirect line. Example: *ErrorDocument 404 /myfolder/pages.php.*

Note: If web server settings don't allow customization by .htaccess files, you should add these lines to the configuration section of your virtual host in Apache main configuration file (or ask server administrator to do so).

For the IIS web server, set up the error 404 handler for the website as a URL pointing to the pages.php. Do not specify the domain name. It must look like */pages.php* or */myfolder/pages.php.*

Basic System Customizing

System Start and License Key Installation

Access to the administrator panel

The address of the administrator panel for your site is: **http://your_site_address/_admin** – use the login and password defined in the installation process.

Input of the license key

1. Go to the site toolbar.
2. In the window for the license key input, copy and paste the key delivered with the system distributive.
3. Click "Apply", and go to the main page of the site administration using the link that appears.
4. The system is ready to work.

Solving Problems

1. If you notice the message "**You are not allowed to view this page"**, you should check the settings for the database access.
   Detailed information about this error is available in the following file:
   _admin/_logs/err.log
2. If you receive a server message stating it is impossible to find a page after being transferring from a site menu link, make sure the error 404 handling is defined properly as it was described earlier (Web Server Customizing).

If you receive a message about a license error, make sure the domain name returned by the web server and the address line of your site in the basic configuration file **_local/config.ini.php** are the same as the domain for which your license key was purchased.

Extended Initial System Customizing

Basic Knowledge

Before beginning the system integration with the design and module customization you will need to define the main site options. We strongly recommend defining some basic options before you start integrating the system. Changing these options in the future can make it complicated to save the integrity of the site link structure and the accuracy of the system data processing.

Sample list of basic problems to be solved before starting the integration

The system parameters which changing during the integration process can seriously jeopardize reliable system functioning:

- Multi-language support;
- The counters of the number of nested categories or items in the forum or E-Shop modules required (their absence will increase the productivity);

The system parameters whose changes during the integration process can cause some difficulties:

- The method of placing items in the archive – manual or automatic;
- The support of the categories in required modules, where there is the possibility to enable or disable it;
- Support of multi-currency in E-Shop;
- The main currency in E-Shop;

Note: This list may be incomplete; if other problems occur please contact customer support.

Customizing the Most Important Settings

Customizing the system settings is performed through the “System Settings” module. To access this module, go to the administrator panel using the link **http://your_site/_admin/**.

On the start page choose the “System Settings” module which is located in the “Service” section.

Selecting the module to customize can be done in the top part of the window by choosing the section, then the module itself and clicking “Apply.”

The functions of the action icons are described in the Legend at the end of the list.

The settings are presented along with their current values in the list. To change their values, click on the setting line or on the edit icon in the same line. Change all necessary settings one after another then click “Apply” at the end of the list. To restore a setting value changed by accident, click on the corresponding “Undo changes” icon. To restore the values to default settings, choose the value for editing and click on the “Set default value” icon.

Some of the most important system settings are listed in the following table.

Note: The system won’t let you change some of the settings because their options are not provided with your system kit. For example, the setting “Multilanguage support” can’t be changed in the packet “Visitor card”, etc.

“Core” section, “System settings” module

Note: The characteristic feature of changing the settings of the “Core” section is that the changed settings will be visible only after clicking “Apply” twice.

Setting	Comment
Multilanguage support	This setting includes the Multilanguage support that influences the navigation on the public part of the site. We do not recommend changing this setting after starting your work with the site, because it can cause the static links inside the site to malfunction, along with the external links to the site (for example, from the search systems).
Company name	It will be used by default in the emails sent by the system, etc.
Link to company site	It will be used by default in the emails sent by the system, etc. It is usually the same as the system site address, but can be defined separately.

Company Email	The main address used for the signature in the sent messages and some system modules.
Email broadcaster	Source address indicated in the broadcasting message.
Automatic language recognition of the client browser	It works only for Russian. In the enabled mode, it defines the language for the client browser and if it is Russian, the user will be automatically redirected to the Russian part of the site. In all other cases the “default” data language defined by the setting with the same name will be used.
HTML protection	It enables the mechanism for protection against the robots for the site items selected from the list. We recommend enabling the email protection.

Conclusion

In this manual the main principles of system customization were analyzed. To become familiar with the methodology of site design integration, layout settings, templates, and requirements to the layout make-up please read the manual for design integration.

© 2000-2007 Amiro.CMS