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If you would like to buy the hosting or the spaghettibrain training course, you go to www.spaghetshopping.com.

If you wish some consulting about PHPNuke, go to www.claudioerba.com.

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This book, in HTML format and in English, has become the official HOWTO of PHPNuke! Now, it is in every version of PHPNuke in HTML format.

The way to support us:

- ✓ Buying hosting by us, at www.spaghetshopping.com
- ✓ Buying e-learning training, always at www.spaghetshopping.com
- ✓ Asking us to program for you some modules for PHPNuke, or, however, entrust us program works in PHP, MySQL, Python, XML, HTML, XHTML, Css2, Smil
- ✓ Attending our courses (look at www.spaghetbrain.com to know more about it or write us at webmaster@spaghetshopping.com)
- ✓ Asking us to give you seminars.

The network

www.spaghetbrain.com: PHPNuke support

www.spaghetlearning.com: e-learning open source platform

www.spaghetigrafica.com: on web, graphics does not have secrets anymore

www.spaghetitalk.com: forum about hosting provider quality

www.spaghetishopping.com: shop online, hosting, e-learning and PHPNuke training

CHAPTER 1- PHPNUKE INTRODUCTION

Paragraph 1- PHPNuke introduction

So we are at the second book version... but it is not my fault if Burzi creates a version every month!:-)

There has always been the need of a definitive PHPNuke handbook, maybe in Italian. And because of the long time necessary, none has ever tried to be successful in this mission.

We are looking for people who want to translate this book in more languages as possible.

Thanks to who contribute, directly or indirectly, at this project:

- ✓ Francisco Burzi, the daddy of PHPNuke, who has chosen this book as the official PHPNuke handbook!
- ✓ The translator and the manager team of HOWTO: Chris Karakas, Andre Purefield, Fortunato Matarrazzo.
- ✓ Umberto Zaccarini of WMG Italia (wmgitalia.net).
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- ✓ Firenze University, because after the reading of my book they have called me to give a course of CMS at Multimedia master (<http://www.mastermultimedia.unifi.it/>); in particular D.ssa Barbara Iraci, Dott. Diego Mencarelli and Dott. Del Bimbo. Thanks to every master students, too.
- ✓ My team, the Crew Spaghetti, Andrea Biraghi, Federico Campoli, Fabio Pirovano, Claudio Demarinis and the casual externals Alex Zollia, Micaela Bechini, VirtualDarkness.
- ✓ Michel "Ziobudda" Morelli (ziobudda.net) Fabio Farnesi (programmiamo.net), Giovanni Tummarello (wup.it), Roberto Scano (IWA Italia), Anna Bruno (fullpress.it), Alessandro Del Rosso e I fratelli De Andreis (punto-informatico.it), for the mediatic space they give me every times.
- ✓ My mother Lella, my sister Cora, my dogs Maia and Grey.
- ✓ My Sara for everything...

Just to not forget:

We are looking for people who want to translate this book in more languages as possible.

Paragraph 2- What is PHPNuke?

PHPNuke is free software, released with GPL licence.

It is a CMS (content management system) and inside it, there are all the useful accessories to create information site (in the open meaning).

Because of the high number of installation functions and a lots of modules create, it is right for the management of companies Intranet, e-commerce system, association web portal, public organization, business, newspapers, online newspapers, information site, e-learning system, and so on...

The centre of PHPNuke system is the partnership between PHP + MySQL, and very often Apache web server supports them. So many modules have integrated other languages, as JavaScript, Java, Flash, and also other system to benefit, by sound web portal and streaming films (online Radio, online TV, Images, Files...). From 6.x version on the compatibility has been extended to other database, to let be bigger the user platform. PHPNuke has been developed paying attention to W3C suggestions; at the beginning, in fact, its code is W3C compliant and both the code and the template style sheet have the validation. But is the user who has to respect the standard when he wants to create a web portal, when he modifies graphics, modules or system characteristics.

Both the graphics and the program personalization have only one limit: the fantasy and the programmer / graphic and web designer capacities. Some of PHPNuke sites are quite similar, but the reason is only lack of time or maybe because who realize the site is frightened of the difficulty to make some changes, but if you get inspiration from already ready themes you understand how simple is create a new dress for our web portal.

Francisco Burzi, dad and mum of PHPNuke, describes like this his creature:

"PHPNuke is a "portal system", news management system, online community management. PHPNuke aim is to have an automatic system to distribute news and articles to several users. Every user can insert his articles or comments the other already published. The main principle of PHPNuke is the same used by Slashdot and other, too.

The main system characteristics are: administration by web, statistics, polls, boxes that change as the administrators or the users want, users entered can modify graphics, possibility to modify or delete news, to moderate comments, statistics about pages linked with our site, section manager, changing block in HTML, entered users and administrator profile modification, integrate system of banner management (Ad server), inside search engine (*really, more than one*), generator summary, exportable news with RSS/RDF format and more and more functions.

PHPNuke is 100% php writes, it needs Apache Web Server (*some users use it in Internet Information Server*) + PHP and one SQL database (MMySQL, mSQL, PostgreSQL, ODBC, ODBC_Adabas, Sybase or Interbase).

It can support 25 languages, one search engine as yahoo, pools with comments, lots of graphic themes, management of passed events, news, files download area, FAQ system, block advanced management, newsletter, articles organized by subject, interface management system and Multilanguage contents management system and a lots of other interesting things."

Paragraph 3- PHPNuke short history

PHPNuke is free software, released with GNU GPL licence version 2.0

The result of several years on the management of a site called Linux Preview (<http://linuxpreview.org>) is PHPNuke.

As first CMS system, I wrote a Perl **apply** called NUKE and I used it for a year, but giving that the site has grown I have had the need to have a more performing system, that's why I began to use Slash, the same used in Slashdot site. It is a good system but to use it you should have many Perl knowledge, it needs many modules and you have to let go a devil that use all your CPU... at last, my Pentium III seemed a 386!!

Those days I discovered Thatware, a good project to manage news with PHP. I learnt PHP in few days and I have begun to modify it. There is the possibility to make many changes, it can be rewrite from scratch. I added some interesting functions and I deleted other...380 work hours in 3 weeks and PHP was born!

However, the real boom of this system arrived only in 2001, from 4.4 PHPNuke version, the community began to have large number of followers. For a long time it has been at the top of the Hotscripts.com list about the more downloaded files, and from that moment, around the world, some communities were born around the official web site: PHPNuke.org. It is always from that period the official support of Mandrakesoft, ended because of sponsor financial vicissitude.

Then, the firsts Fork were born, or rather news management system based on PHPNuke code, modified to face up to developers needs.

There are several CMS systems, which are PHPNuke Fork; between the most famous, we can remember PostNuke, Envolution, MyPHPNuke and Xoops.

Paragraph 4- Nuke communities

We should have an attentive glance to real PHPNuke value, that are the communities around it. Thanks to voluntary work of these people, of these web sites that PHPNuke could become a known system; always thanks to them if PHPNuke system can support more then 25 idioms. Francisco receives translations by users, who adapt language files to idioms.

External communities create most of the modules, and in the ulterior time they have been included with the new PHPNuke distributions.

There are many communities specialized in something particular: the creation of new PHPNuke graphic themes, technical support , mirror of files and Multilanguage communities to inform, with the local idiom, all the users of those community, creating new personal relationship and focused project.

Nuke forums.com: PHPNuke technical support
Nukedownloads.com: mirror of files to download
Somare.com: themes and graphics
Nukethemes.com: themes and graphics
Ecomjunk.com: Addons and modules
Nukeaddn.com: Addons and modules
Nukescripts.net: Script

Communities with Italian language:

Spaghetbrain.com
Claudiodemarins.com
PHPnuke.it
Splatt.it
Nukeitalia.com

Thanks to the work of this web portals or even singles, because we have more then 500 different modules to personalised our portal, from meteo to e-commerce, from photo gallery to the chat creates with Flash and the java games.

Paragraph 5- Why choose PHPNuke and not HTML pages?

- Because the management of big sites with only HTML pages it is dangerous for your health
- Because with dynamic pages users can interact each other (forum, chat)
- Because with dynamic pages it is possible to offer added value services (reserved areas, different services according to users...)
- Because the information are simpler to catalogue
- Because are enough less php pages to research many information
- Because the dates inside database facilitate the creation of inside search engine
- Because the contents update does not need particular technical knowledge and anyone can manage it (by Davis Battisti)
- Because it is the faster and simpler way to create a complete web portal; thanks to open source you can manage old modules or create new ones (by Micone, www.vizzani.net)
- Because it is intuitive and easy to learn (by Anonimo)
- Because it is easy to modify it if you want to personalise your program (by Arus)
- Because it is easy o use, even for the less expert

CHAPTER 2- PHPNUKE INSTALLATION

Paragraph 1- Let go Apache+PHP+MySQL on windows PC

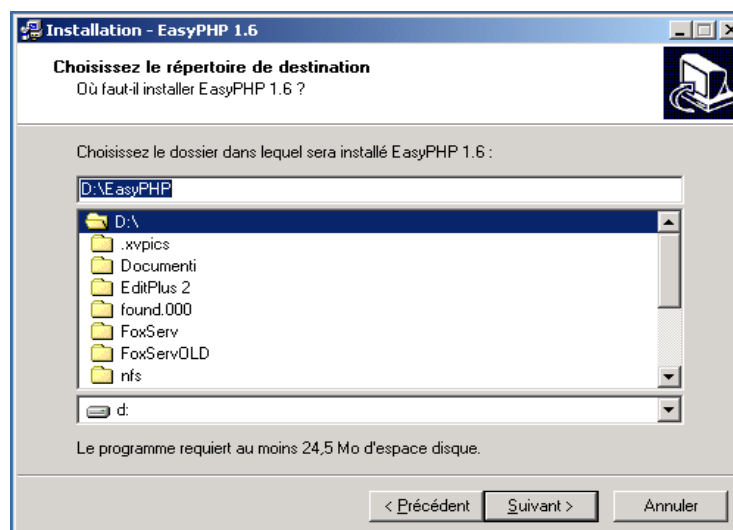
To begin working with PHPNuke it is useful to simulate, on your PC, one web server. Like this, you let go the system (with the most of its functions) on your PC simulating online activity as you were in hosting by a provider... This lesson is about the installation on a Windows PC, in the next on Linux. Then, we will speak about PHPMyadmin use and PHPNuke installation and configuration.

To download easyPHP go to <http://www.easyphp.org/telechargements.php3>, then download 1.6 version or successive.

EasyPHP

EasyPHP installation is very simple. After the download of easyPHP click on “setup” to let the installation start. The first mask is the welcome mask, click on “go on” (suivant) to proceed.

We will click on “suivant” to all license masks. Then arrives the mask to ask us ****where**** we want to install our easyPHP (it means ****in which directory****). So fill in with the right one (if you are not sure let the default).



Click on “suivant” until the end of the installation.

Then, click on “terminer”. EasyPHP has been installed. Let’s suppose you install it in c:/easyphp, into the file there are other files, but the one you need it is “www”, here Apache process files and here you will load your PHPNuke.

There are other few elements to explain you easyPHP. Down below, on the right, you find a black “E” with a red point. If the point is flashing the server is active, if not the server is stopped.

To manage essyphp it is enough click on the black “E” with the right key of your mouse.

With this menu you can manage the server. And with a double click with the left one, an information console.



To check the installation is ok:

To check Apache and PHP right operation, we use the function PHPInfo: it will test the server, asking questions about PHP configuration. If the result is this, everything is ok:

| <div> <div>PHP Version 4.2.2</div>  </div> | |
|---|---|
| System | Linux dhrystone3.ensim.com 2.4.9-21 smp #1 SMP Thu Jan 17 14:01:48 EST 2002 i686 unknown |
| Build Date | Sep 3 2002 19:44:15 |
| Configure Command | <pre> ./configure 'i386-redhat-linux' '--prefix=/usr' '--exec-prefix=/usr' '--bindir=/usr/bin' --sbindir=/usr/sbin' '--sysconfdir=/etc' '--datadir=/usr/share' '--includedir=/usr/include' --libdir=/usr/lib' '--libexecdir=/usr/libexec' '--localstatedir=/var' --sharedstatedir=/usr/com' '--mandir=/usr/share/man' '--infodir=/usr/share/info' --prefix=/usr' '--with-config-file-path=/etc' '--enable-force-cgi-redirect' '--disable-debug' --enable-pic' '--disable-rpath' '--enable-inline-optimization' '--with-bz2' '--with-db3' --with-curl' '--with-dom=/usr' '--with-exec-dir=/usr/bin' '--with-freetype-dir=/usr' --with-png-dir=/usr' '--with-gd' '--enable-gd-native-ttf' '--with-ttf' '--with-gdbm' --with-gettext=shared' '--with-ncurses' '--with-gmp' '--with-iconv' '--with-jpeg-dir=/usr' --with-openssl' '--with-pear' '--with-png' '--with-pspell' '--with-regex=system' '--with-xml' --with-expat-dir=/usr' '--with-zlib' '--with-layout=GNU' '--enable-bcmath' --enable-debugger' '--enable-xml' '--enable-ftp=shared' '--enable-magic-quotes' --enable-safe-mode' '--enable-sockets' '--enable-sysvsem=shared' --enable-sysvshm=shared' '--enable-discard-path' '--enable-track-vars' --enable-trans-sid' '--enable-yp' '--enable-wddx' '--without-oci8' '--with-imap=shared' --with-imap-ssl' '--with-kerberos=/usr/kerberos' '--with-ldap=shared' --with-mysql=shared,/usr' '--with-pgsql=shared' '--with-snmp=shared,/usr' --with-snmpp=shared' '--enable-ucd-snmp-hack' '--with-unixODBC=shared' --enable-memory-limit' '--enable-bcmath' '--enable-shmop' '--enable-versioning' --enable-calendar' '--enable-dbx' '--enable-dio' '--enable-mcal' '--enable-mbstring' --enable-mbstr-enc-trans' '--disable-experimental-zts' '--with-apxs=/usr/sbin/apxs' </pre> |
| Server API | Apache |

How to build the file to check PHP and Apache operation? It is very simple, you should create a text file called “info.txt”, and put in this code:

```
<?phpinfo();?>
```

save the file and change the name: from “info.txt” to “info.php”, put it into “www” file, open your Browser and write this address in the right bar: <http://localhost/info.php> , in this way you should have the over screen.

Save the file and rename it from info.txt to info.php, put in the www folder, open your browser and put this link in the address bar: <http://localhost/info>, you should see the screenshot reported below.

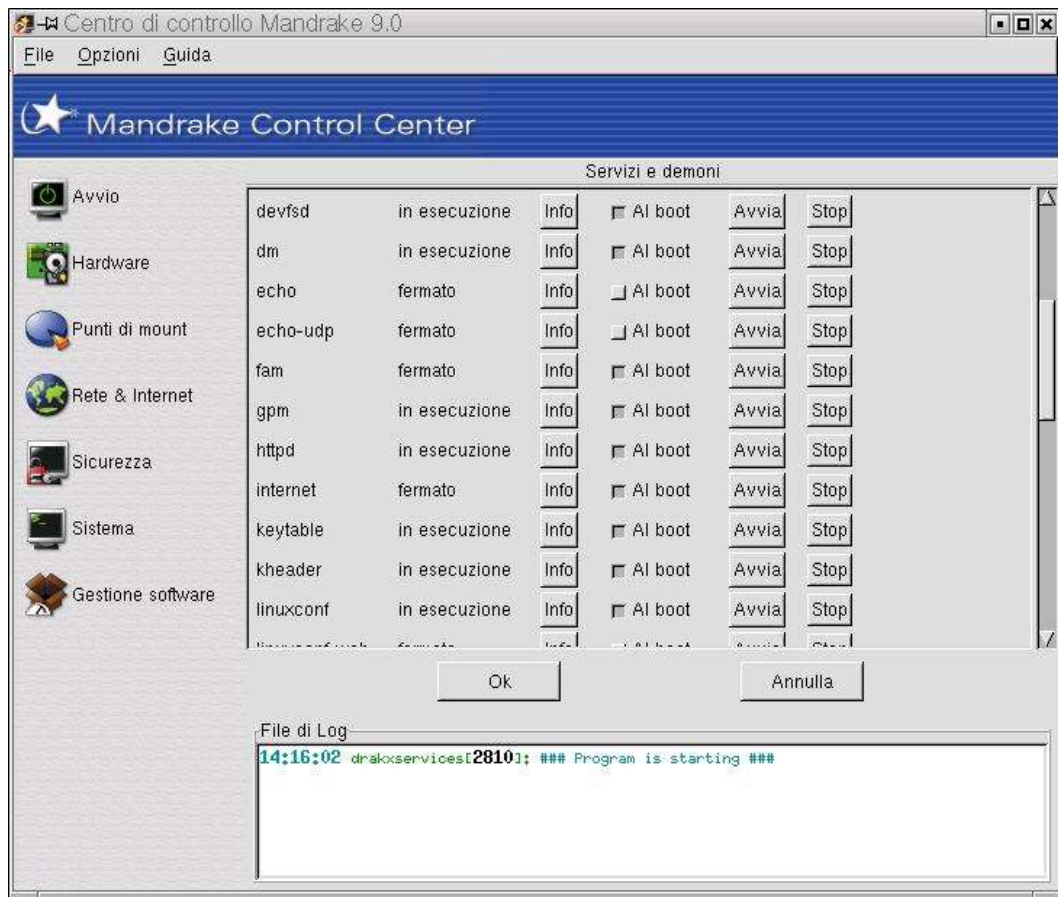
Paragrph 2 – Installing Apache + PHP + Mysql on Linux Mandrake

We are watching the Apache +PHP + MySQL on linux Mandrake 9.0 trough visual tools, we tought that installation trough line code is not important because is done by skilled people, and skilled people don't need instruction by us ;-)



Most sample thing to do is install packets from installation CD, for doing this we launch RPMDrake, after answering by root password we have a mask that will ask us what we need to install. We use the research field and we will write: "apache", we have to select the Apache principal packet and the system will ask us if we need to install dipendences also, is important to answer yes.

After clicking Install the system will ask us to insert an installation CD. After installing apache we go in the Mandrake control center and we click "start" for the httpd service.



N.B. Rpm files for Linux Mandrake and Red Hat are the .exe on windows.