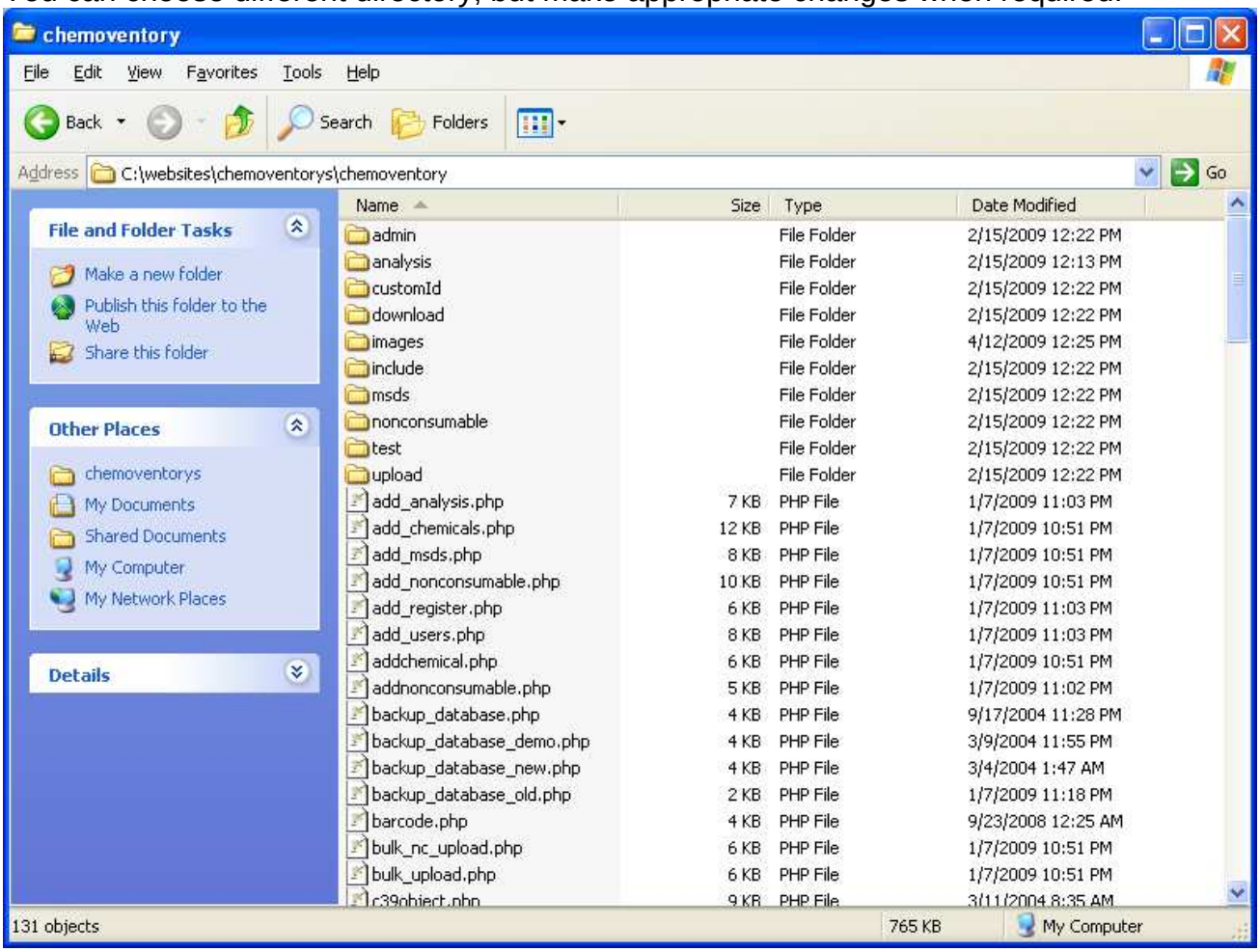
Installation of Apache, PHP, Zend optimizer and MySQL in Windows

I. Chemoventory
II. Apache
III. PHP
IV. Zend
V. MySQL

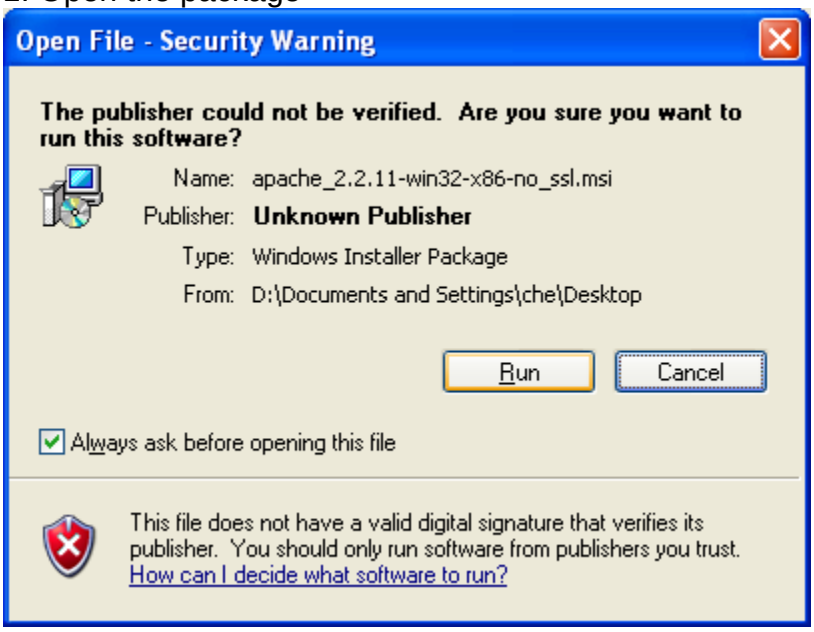
Please download latest stable versions of Apache 2.2, PHP, MySQL, Zend and MySQL.

I. Copy chemoventory in folder c:/chemoventory/
These are the folders you should see and about 130 files.
You can choose different directory, but make appropriate changes when required.

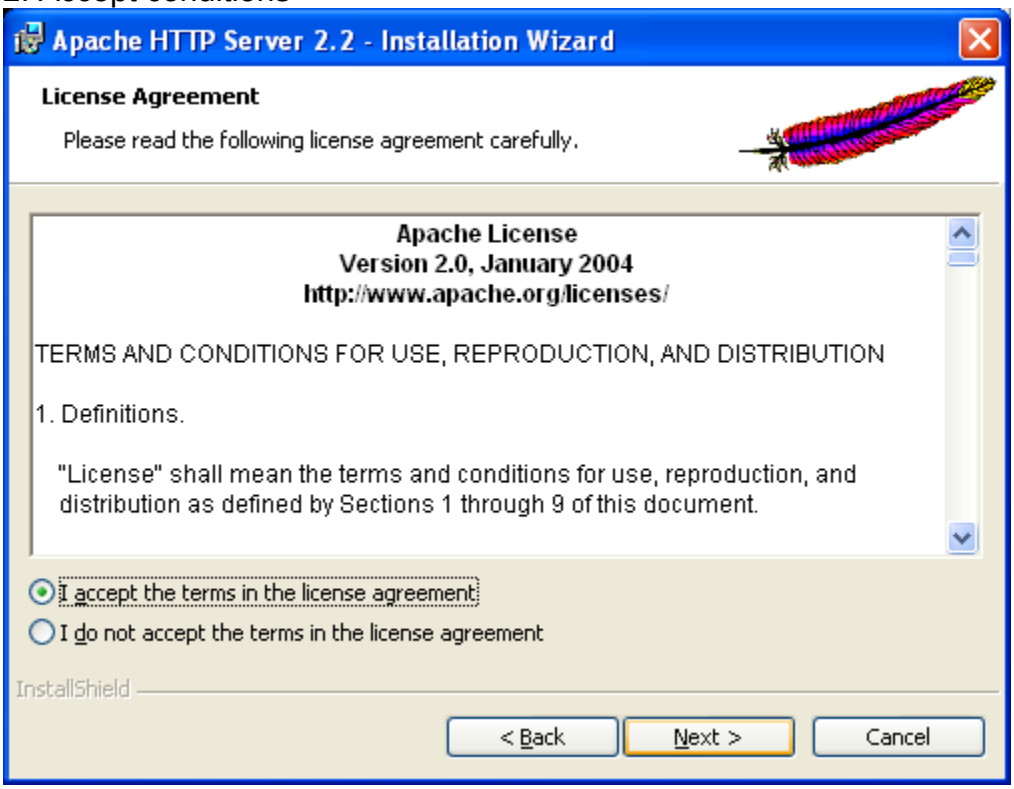


II. APACHE 2.2 Installation in windows XP

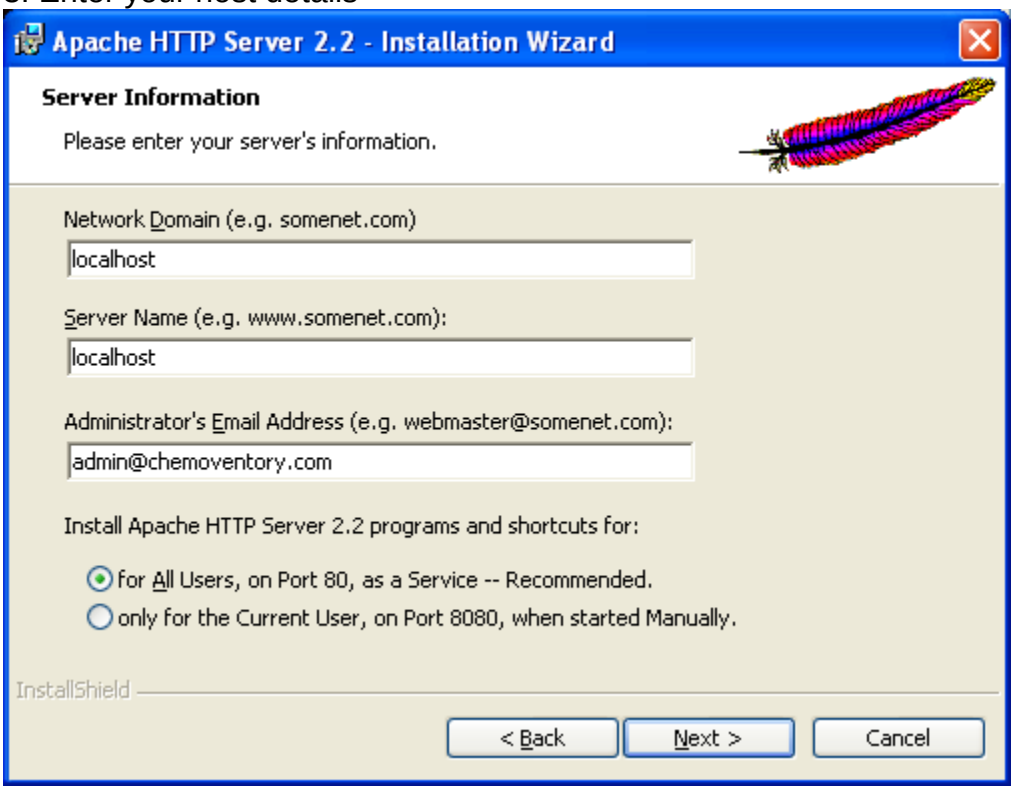
1. Open the package



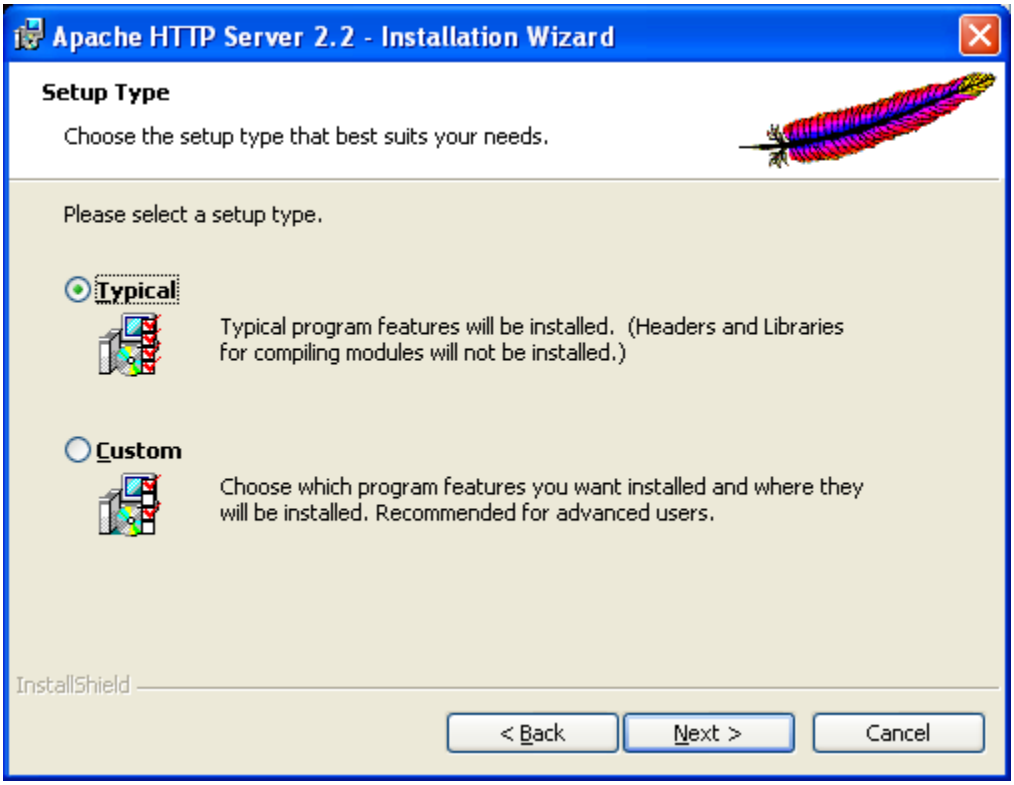
2. Accept conditions



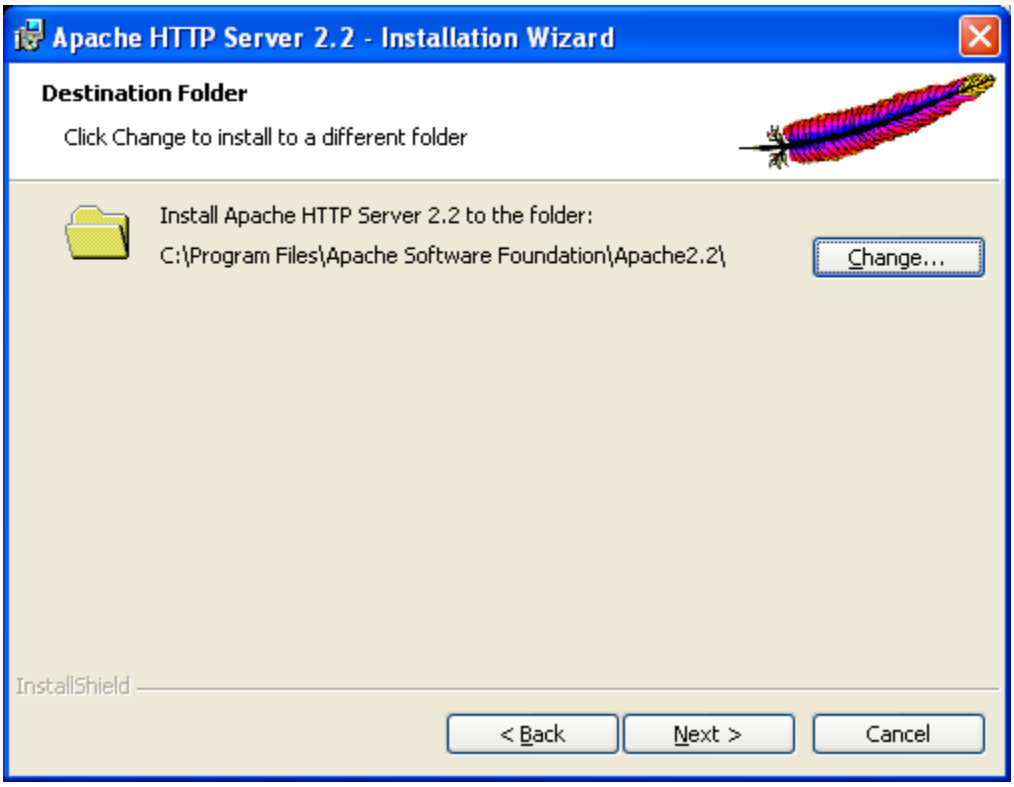
3. Enter your host details

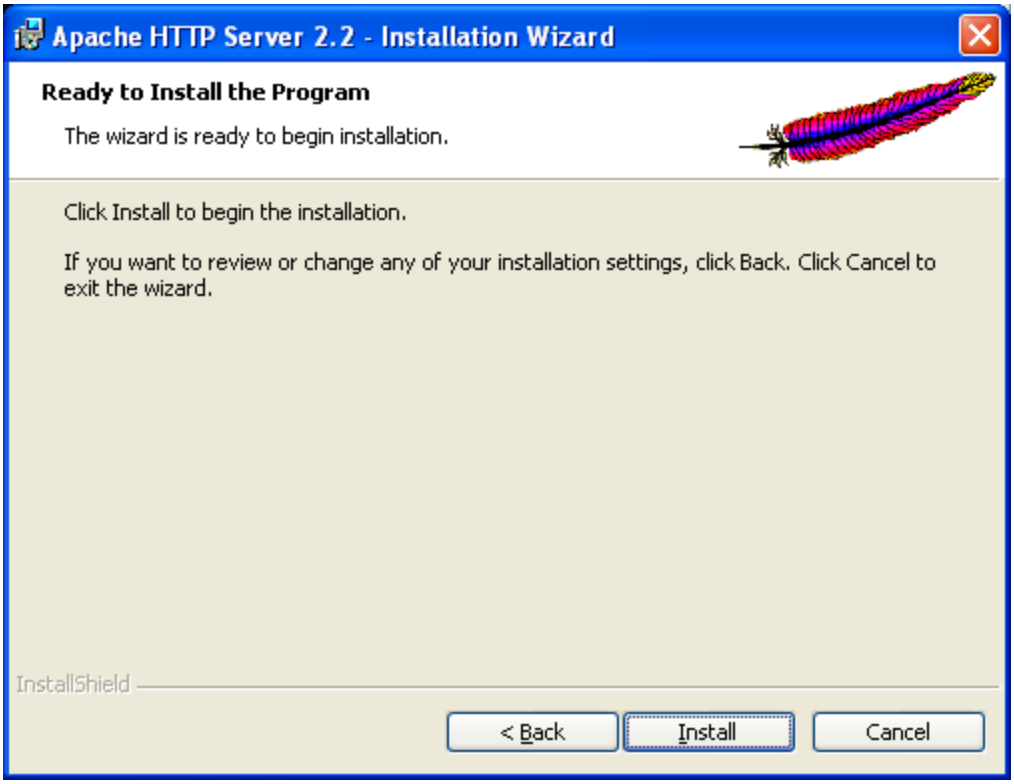


4. Choose the default

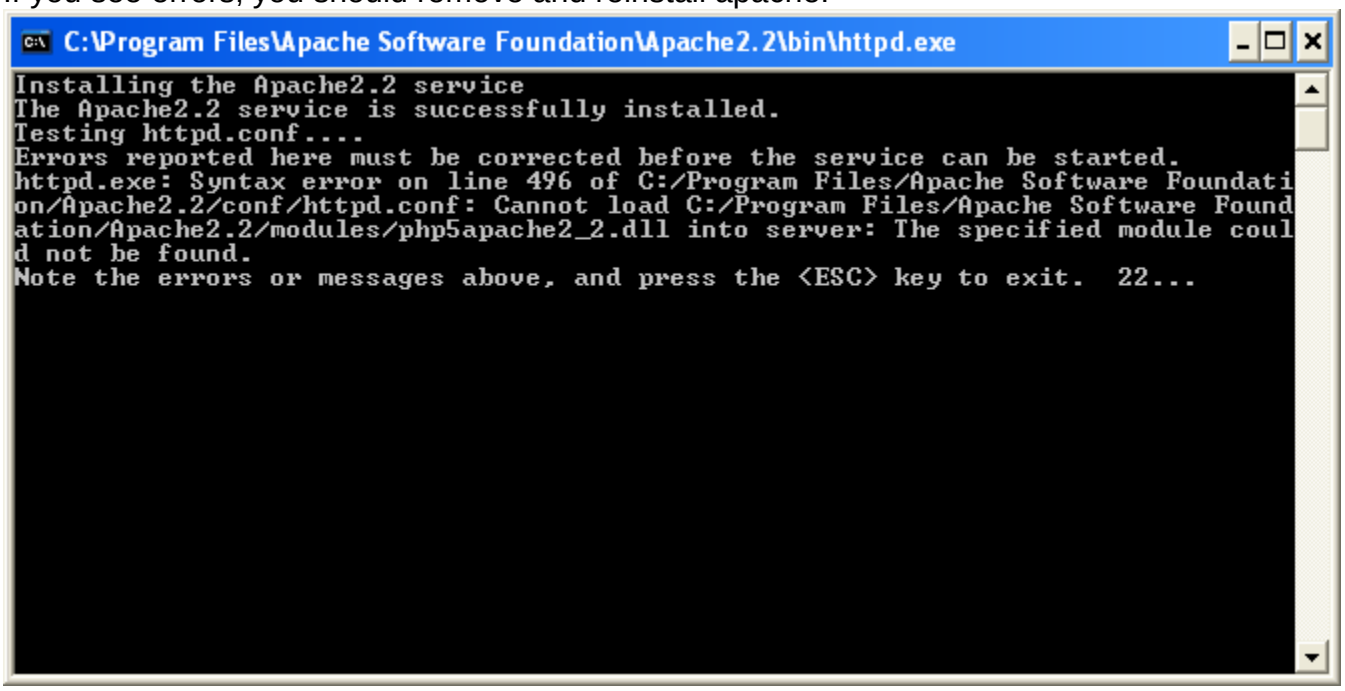


5. Choose the default destination folders



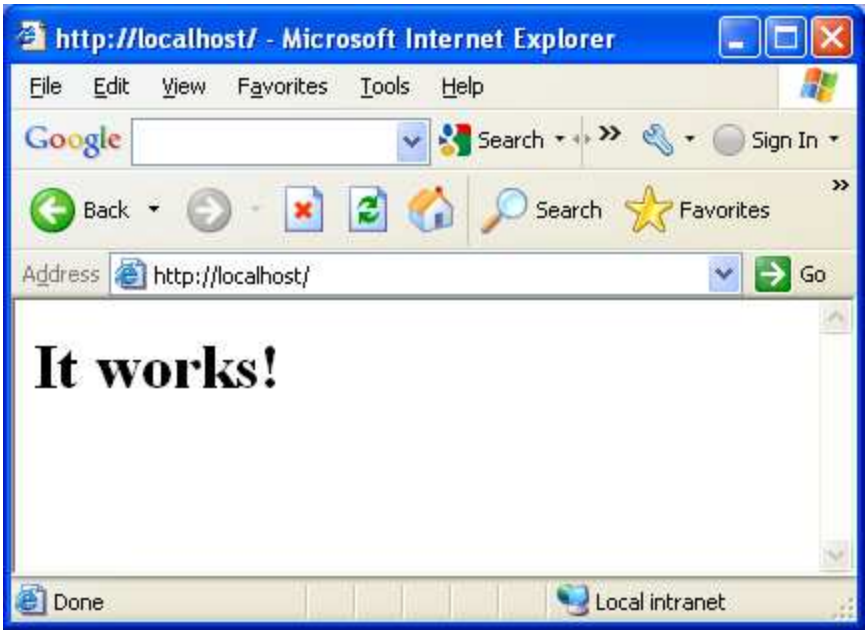


6. You should see the message "Apache2.2 service successfully installed"
If you see errors, you should remove and reinstall apache.



Note: The above error is due to prior apache installation.

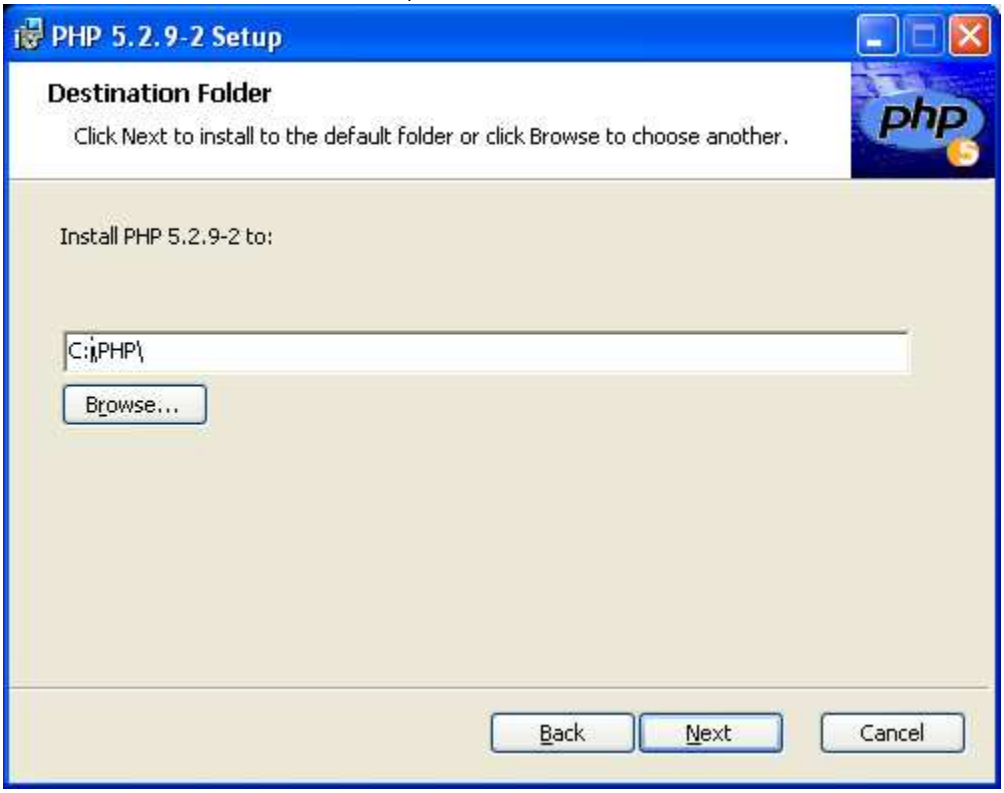
Test your installation, before proceeding to next step. In browser visit http://localhost/
You should see something in your web page (sometime as shown below or Apache document page)


http://localhost/ - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Google
Search
Sign In
Back
Search
Favorites
Address
http://localhost/
Go
It works!
Done
Local intranet

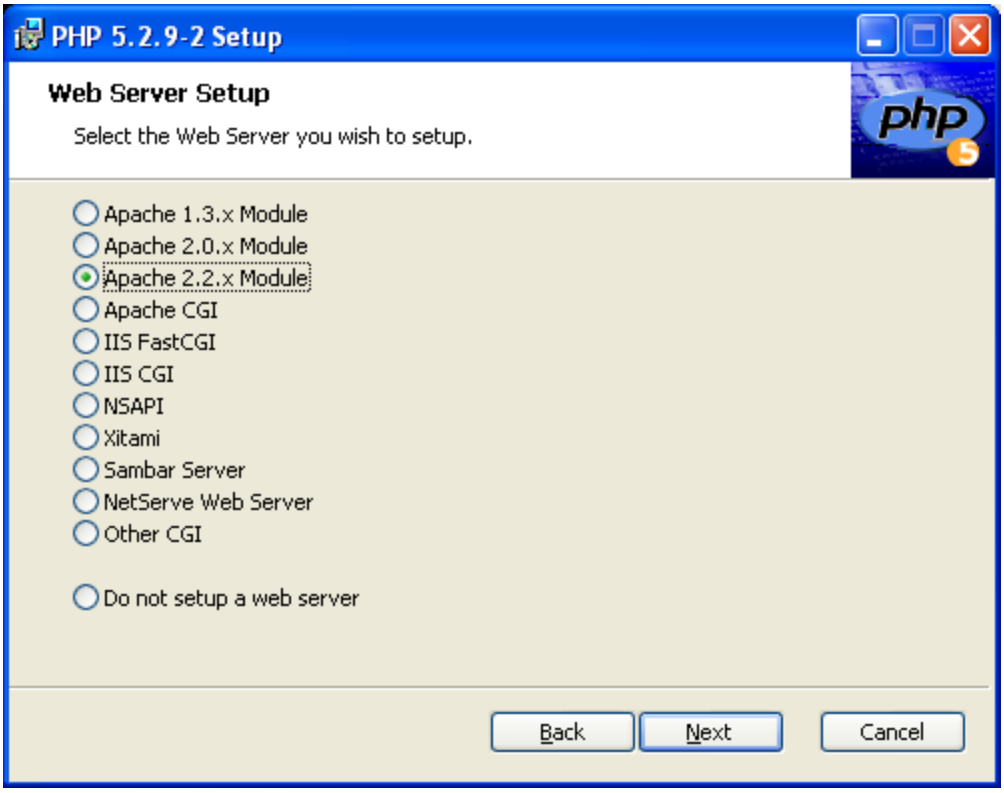
III. PHP 5.2 Installation

Download PHP Binary with installer. http://www.php.net/downloads.php

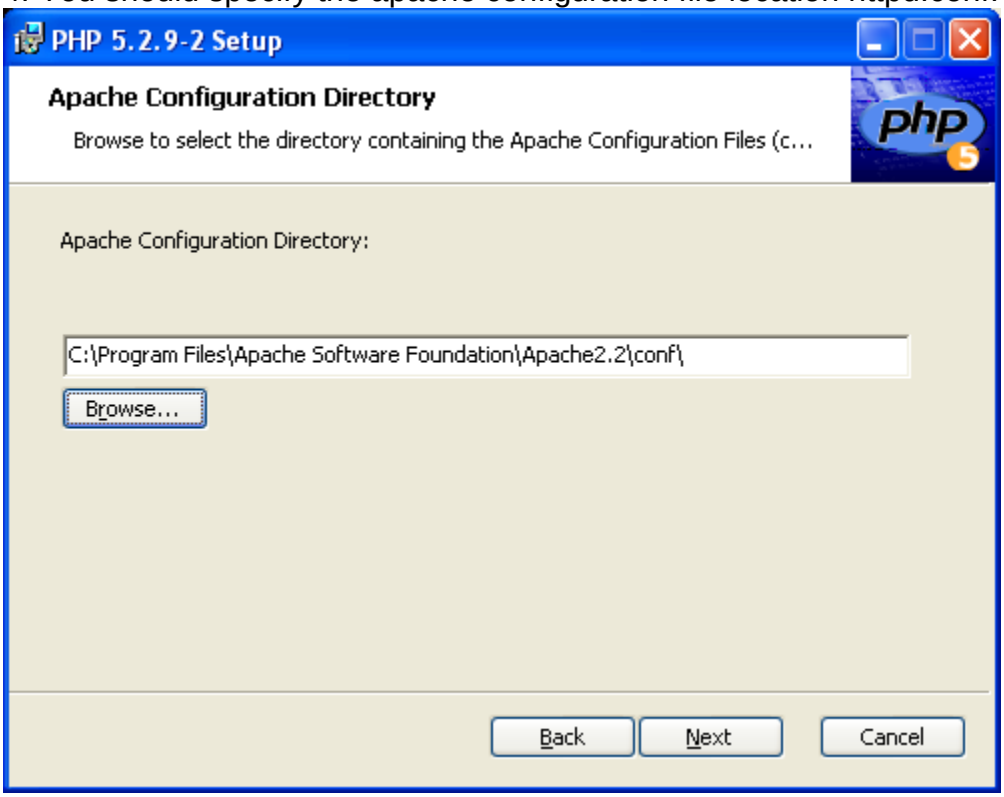
2. Choose the custom folder, instead of default folder



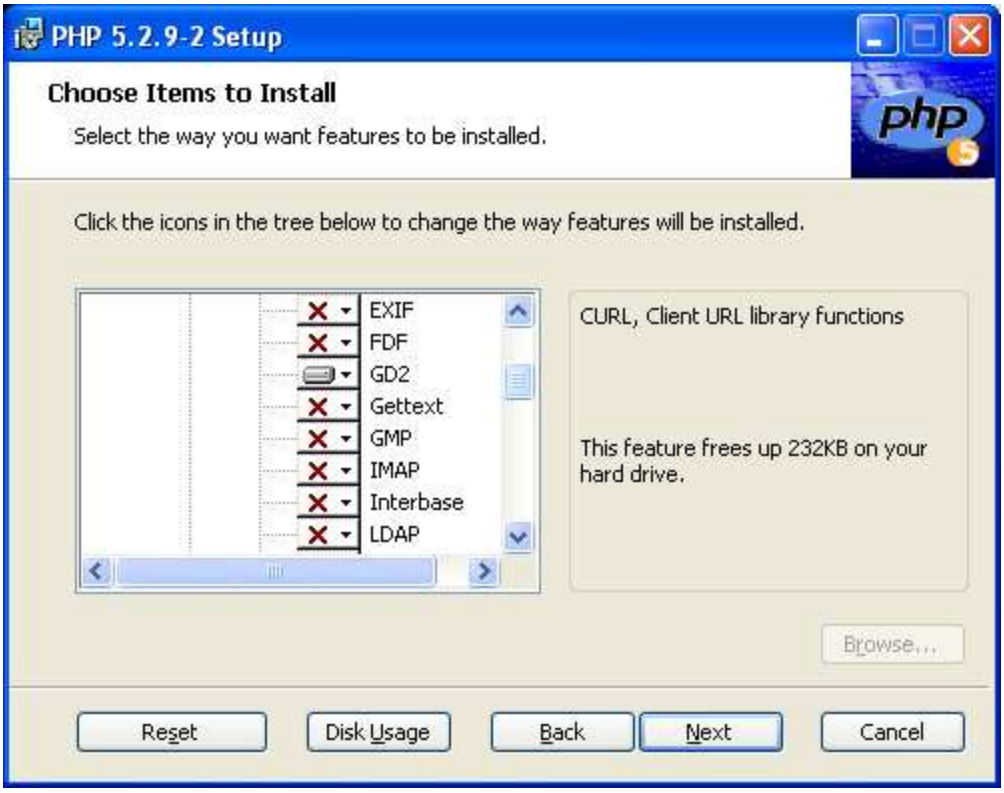
3. Choose your web server (apache2.2)

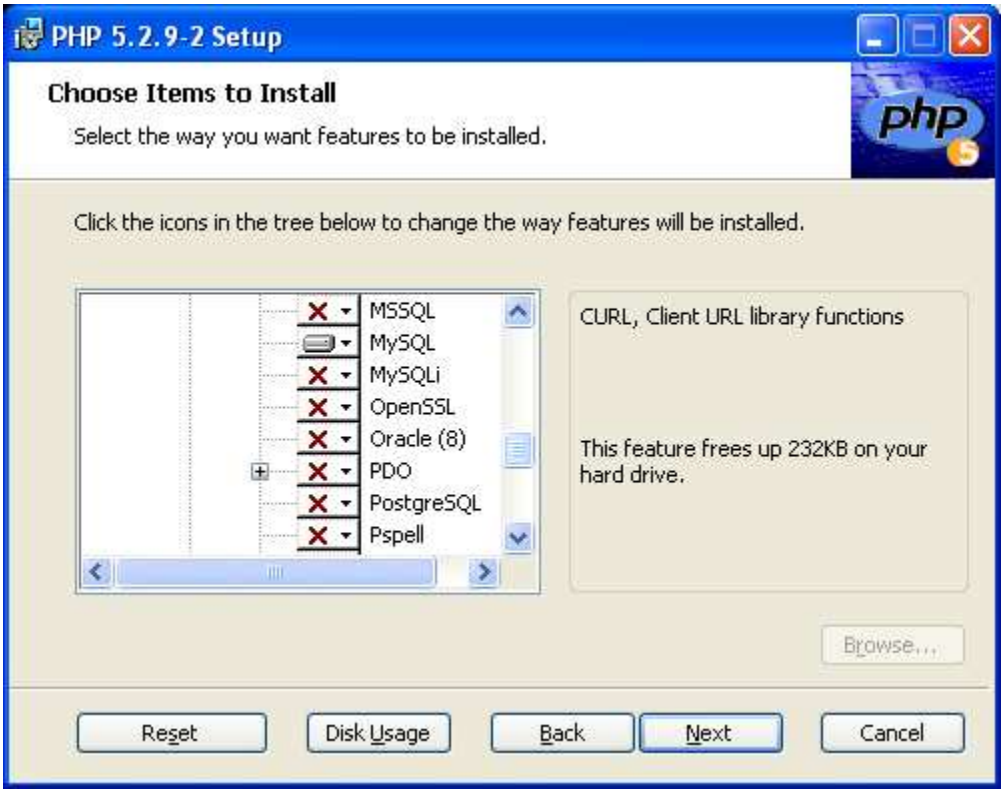


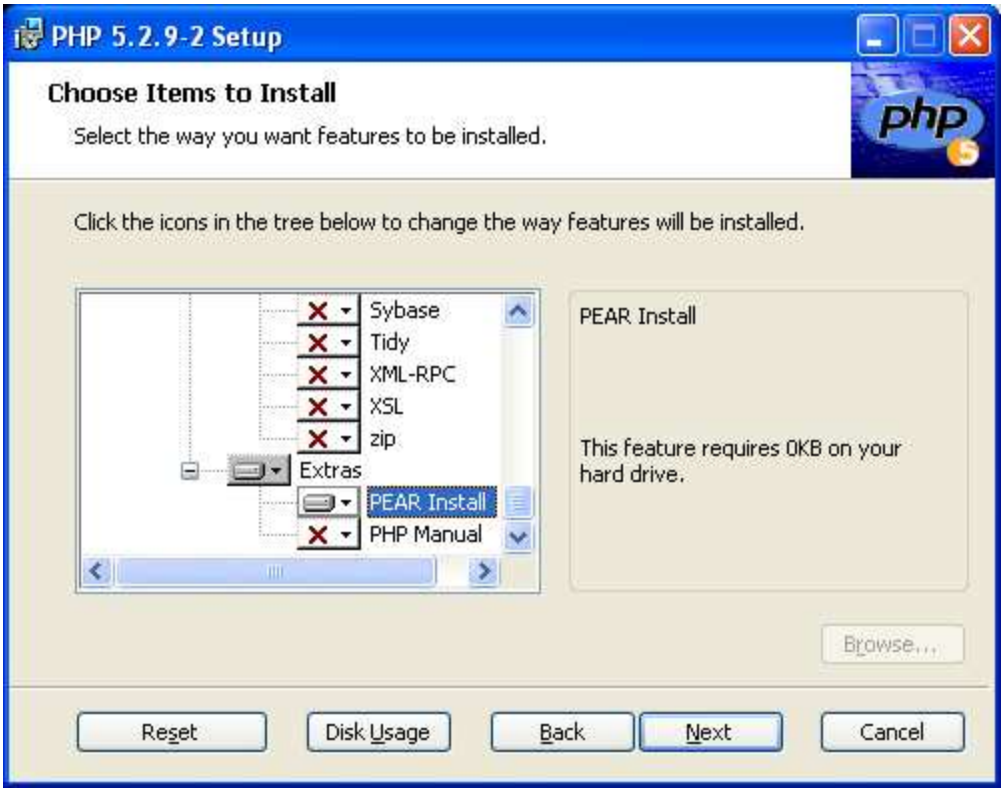
4. You should specify the apache configuration file location httpd.conf. It usually resides in conf directory.

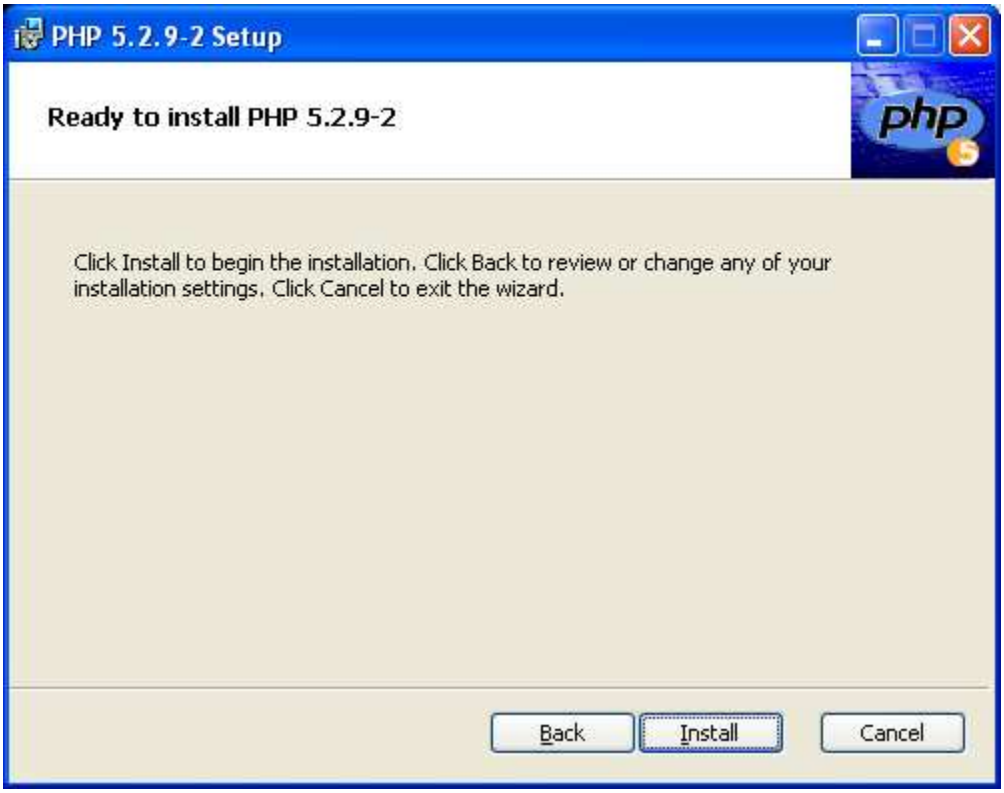


5. You should choose the following three extensions for chemoventory:
GD2, MySQL and PEAR (PEAR may not be required in many cases depending on email system).


PHP 5.2.9-2 Setup
Choose Items to Install
Select the way you want features to be installed.
Click the icons in the tree below to change the way features will be installed.
EXIF
FDF
GD2
Gettext
GMP
IMAP
Interbase
LDAP
CURL, Client URL library functions
This feature frees up 232KB on your hard drive.
Browse...
Reset
Disk Usage
Back
Next
Cancel


PHP 5.2.9-2 Setup
Choose Items to Install
Select the way you want features to be installed.
Click the icons in the tree below to change the way features will be installed.
MSSQL
MySQL
MySQLi
OpenSSL
Oracle (8)
PDO
PostgreSQL
Pspell
CURL, Client URL library functions
This feature frees up 232KB on your hard drive.
Browse...
Reset
Disk Usage
Back
Next
Cancel





6. Complete the installation

7. Additional configurations in apache's httpd.conf file.

Add the bold one to have php as one of the default file.

<IfModule dir_module>
DirectoryIndex index.html ***index.php***
</IfModule>

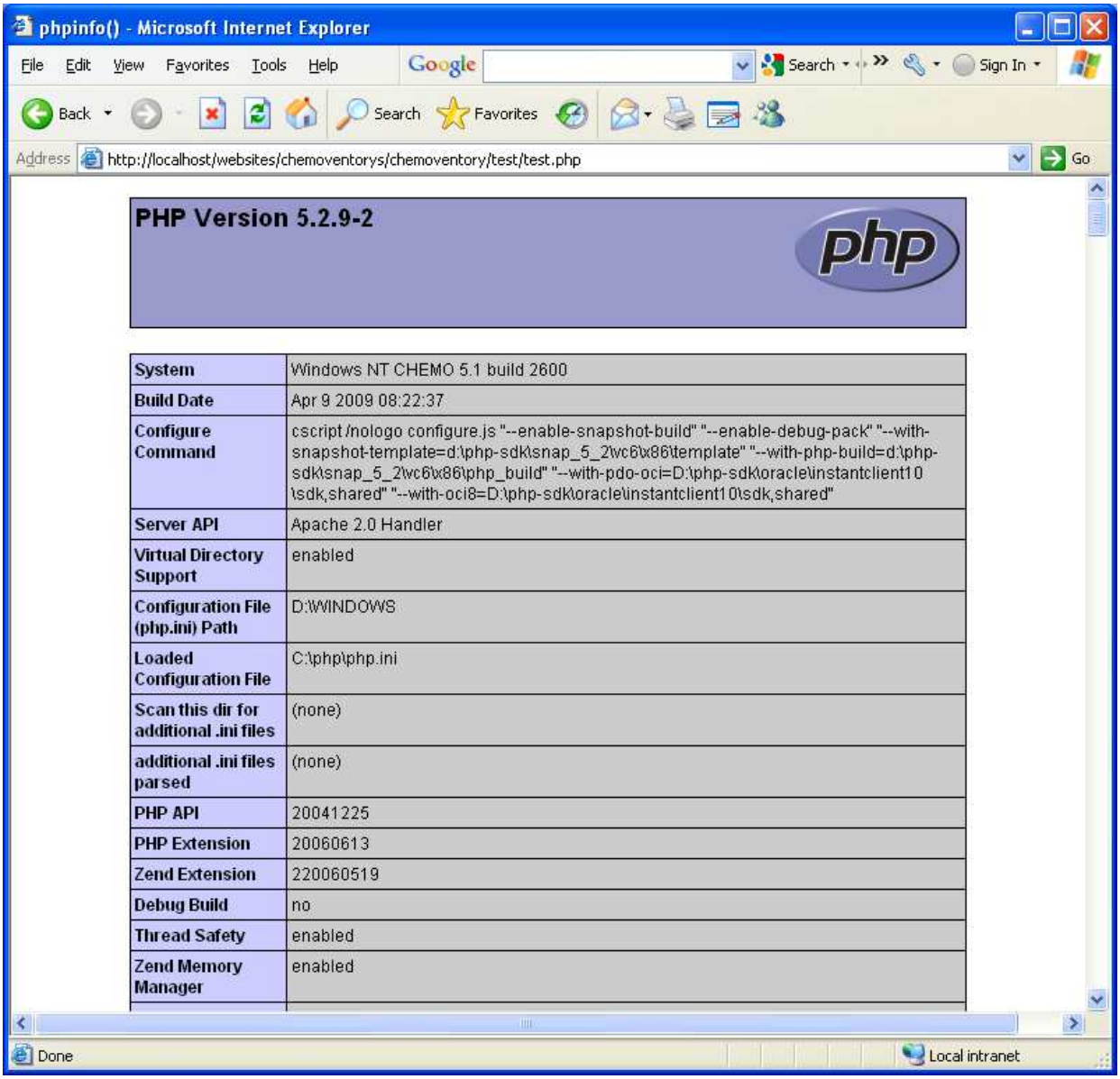
8. Add the entire one to include chemoventory directory as

Alias /chemoventory/ "C:/chemoventory/"
<Directory "C:/chemoventory">
Options Indexes FollowSymlinks MultiViews
DirectoryIndex index.html index.html.var index.php
AllowOverride Indexes
Order allow,deny
Allow from all
</Directory>

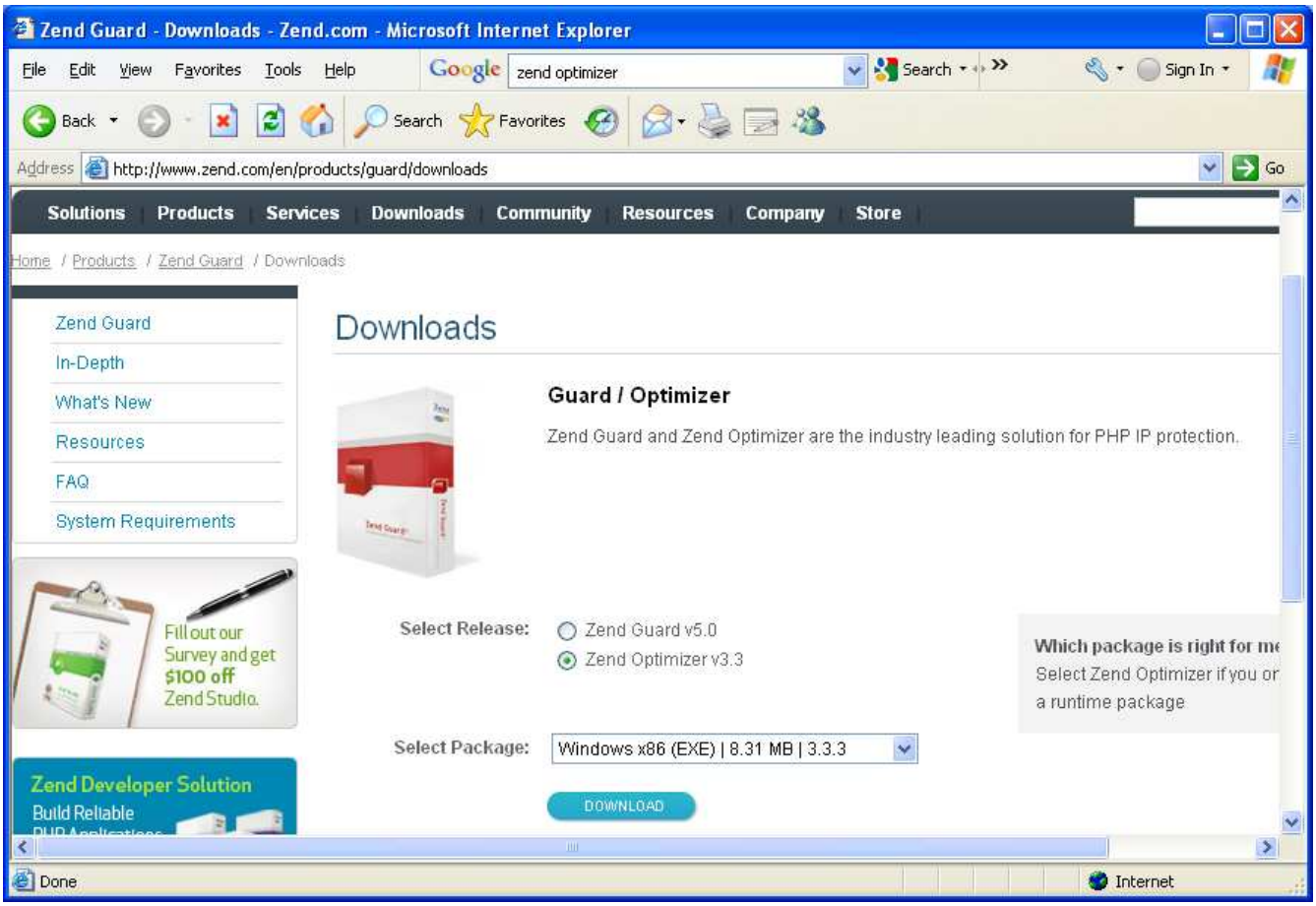
9. At the end of httpd.conf make sure you have these lines:

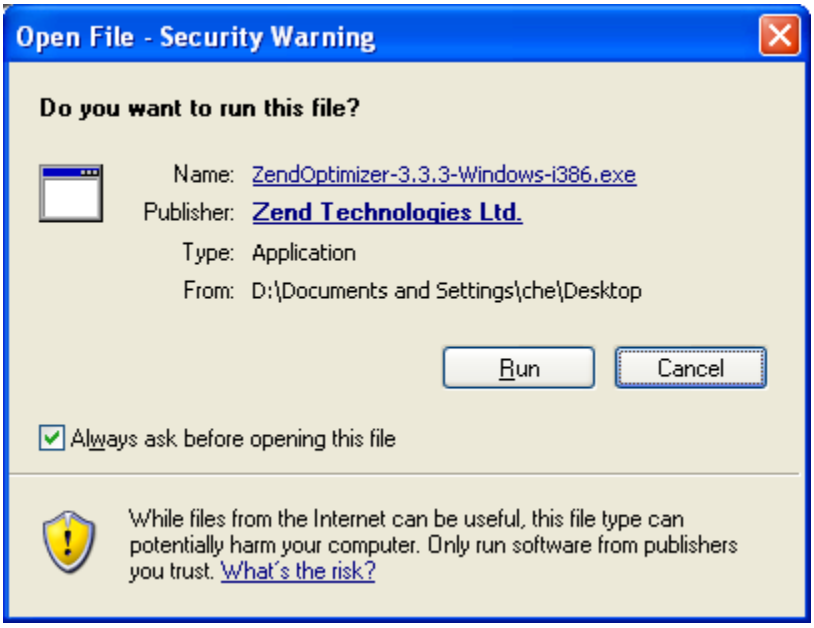
AddType application/x-httpd-php .php
#BEGIN PHP INSTALLER EDITS - REMOVE ONLY ON UNINSTALL
PHPIniDir "C:/PHP/"
LoadModule php5_module "C:/PHP/php5apache2_2.dll"
#END PHP INSTALLER EDITS - REMOVE ONLY ON UNINSTALL

10. Test PHP installation, by visiting the http://localhost/chemoventory/test/test.php

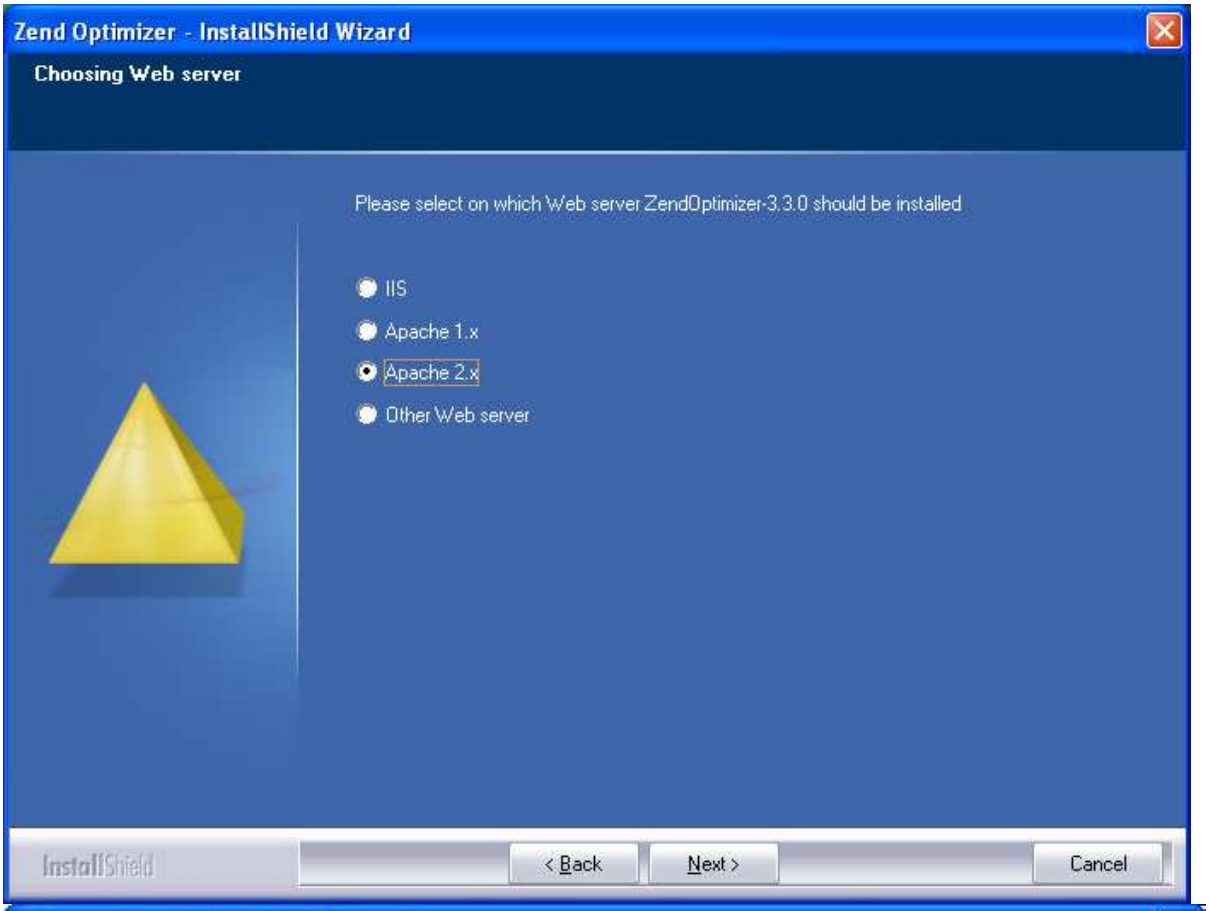

phpinfo() - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Google
Search
Sign In
Back
Search
Favorites
Address
http://localhost/websites/chemoventorys/chemoventory/test/test.php
Go
PHP Version 5.2.9-2
php
System
Windows NT CHEMO 5.1 build 2600
Build Date
Apr 9 2009 08:22:37
Configure Command
cscript /nologo configure.js "--enable-snapshot-build" "--enable-debug-pack" "--with-snapshot-template=d:\php-sdk\snap_5_2\vc6\x86\template" "--with-php-build=d:\php-sdk\snap_5_2\vc6\x86\php_build" "--with-pdo-oci=D:\php-sdk\oracle\instantclient10\sdk,shared" "--with-oci8=D:\php-sdk\oracle\instantclient10\sdk,shared"
Server API
Apache 2.0 Handler
Virtual Directory Support
enabled
Configuration File (php.ini) Path
D:\WINDOWS
Loaded Configuration File
C:\php\php.ini
Scan this dir for additional .ini files
(none)
additional .ini files parsed
(none)
PHP API
20041225
PHP Extension
20060613
Zend Extension
220060519
Debug Build
no
Thread Safety
enabled
Zend Memory Manager
enabled
Done
Local intranet

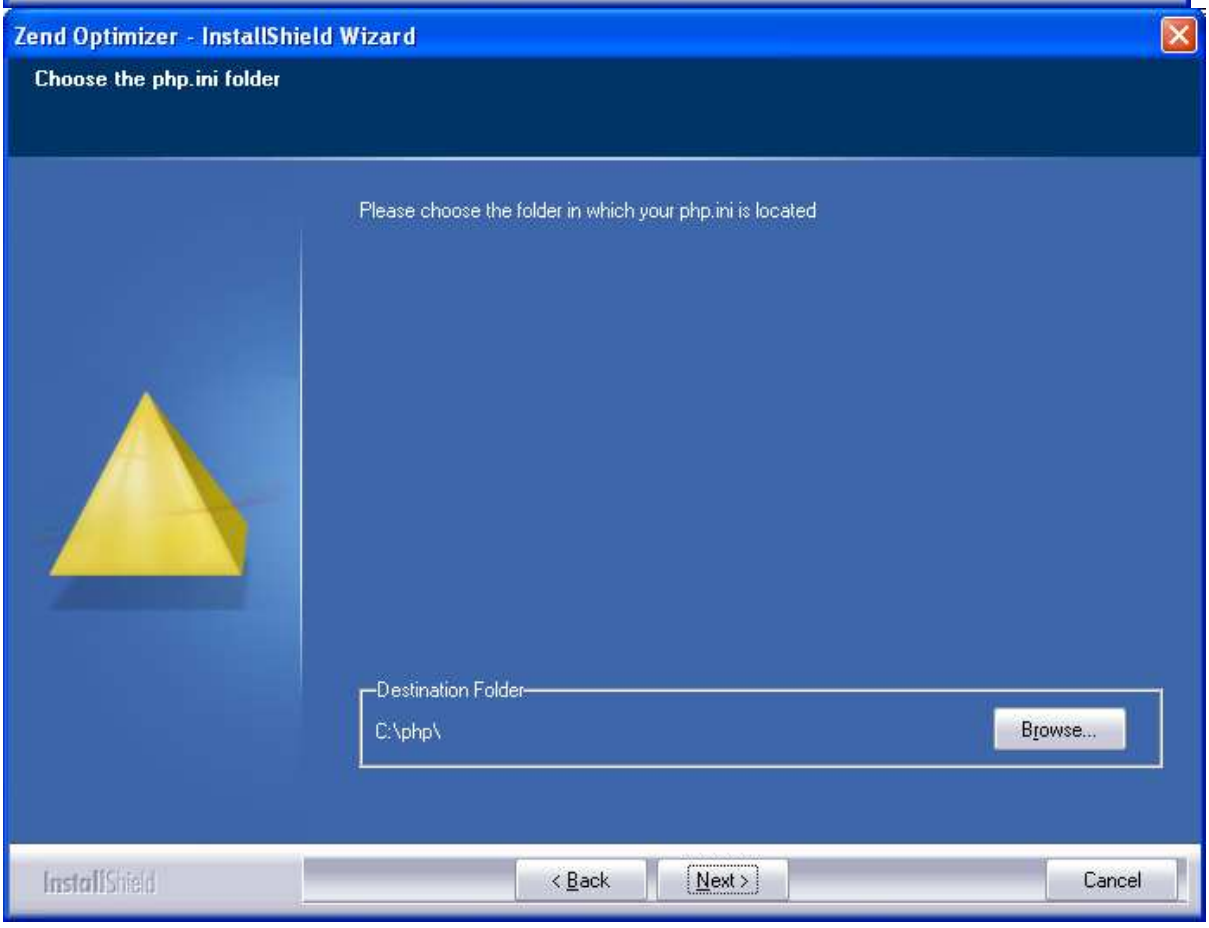
IV. Zend Encoder

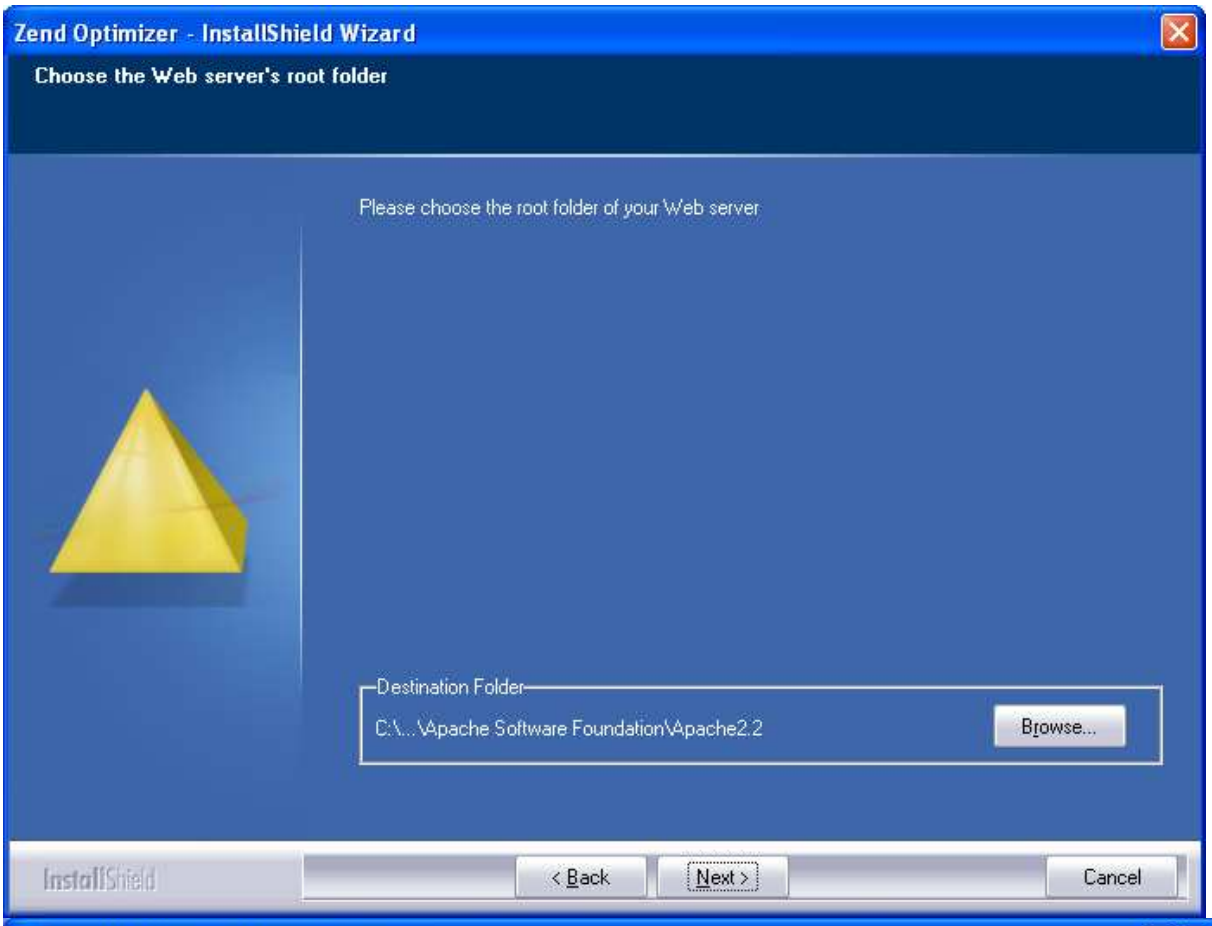


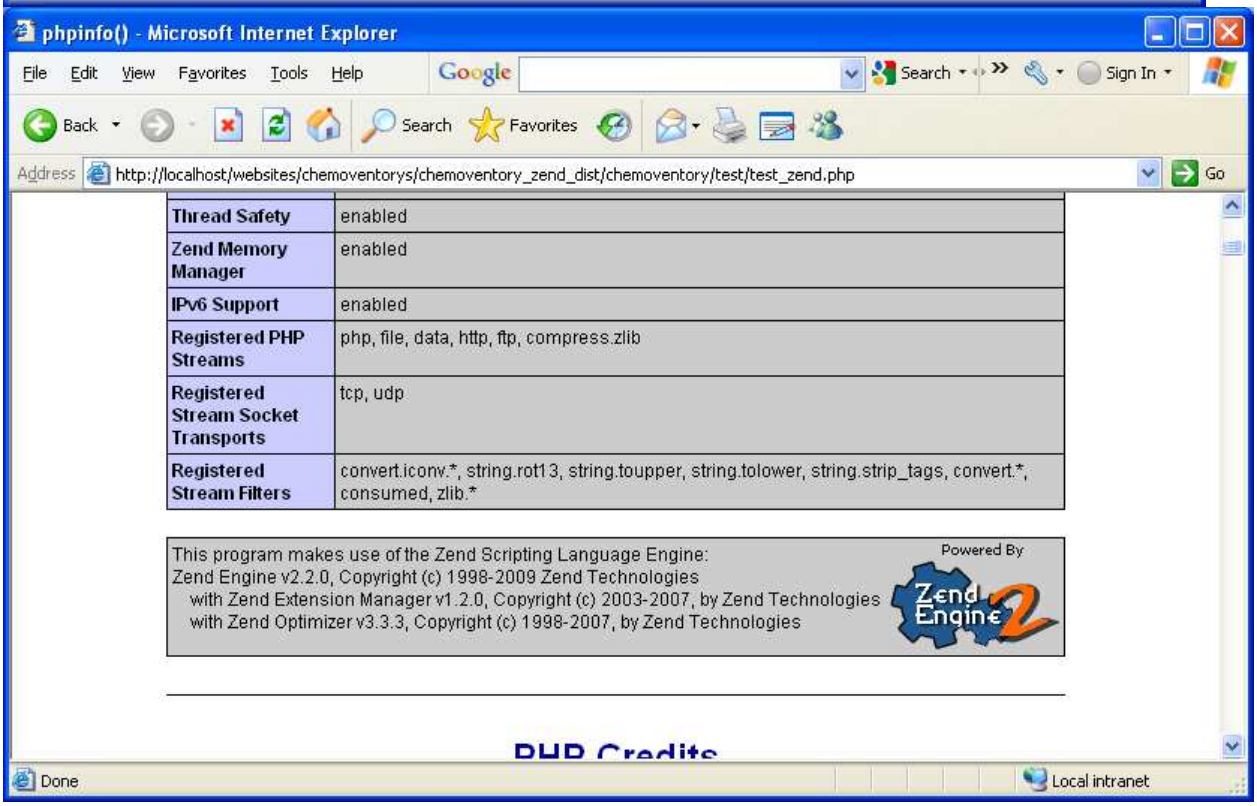


Select option of apache2.2


Zend Optimizer - InstallShield Wizard
Choosing Web server
Please select on which Web server ZendOptimizer-3.3.0 should be installed
IIS
Apache 1.x
Apache 2.x
Other Web server
InstallShield
< Back
Next >
Cancel


Zend Optimizer - InstallShield Wizard
Choose the php.ini folder
Please choose the folder in which your php.ini is located
Destination Folder
C:\php\
Browse...
InstallShield
< Back
Next >
Cancel



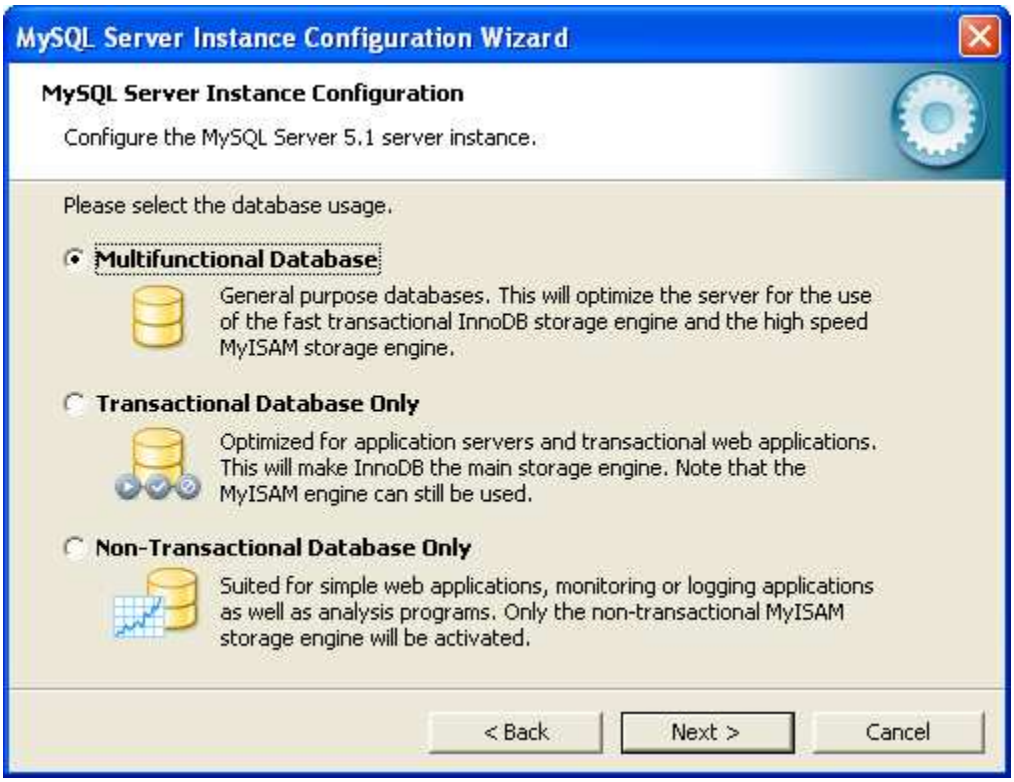


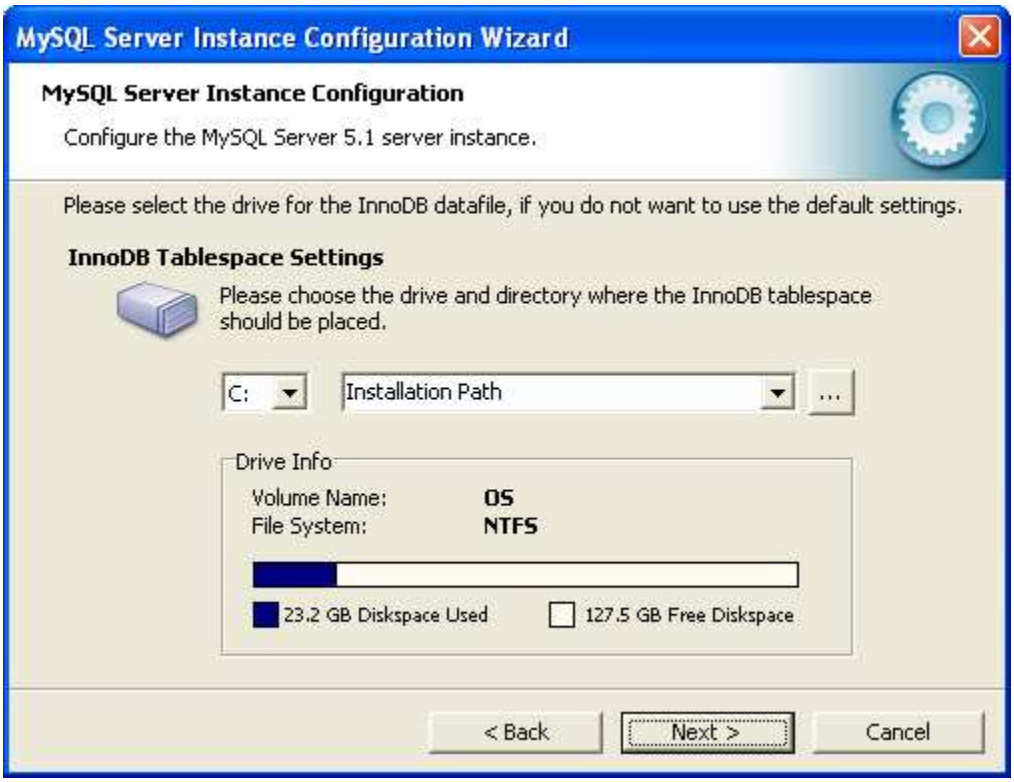
At the end of php.ini (c:/php) you should see

[Zend]
zend_extension_manager.optimizer_ts="D:\Program Files\Zend\ZendOptimizer-3.3.0\lib\Optimizer-3.3.0"
zend_extension_ts="D:\Program Files\Zend\ZendOptimizer-3.3.0\lib\ZendExtensionManager.dll"

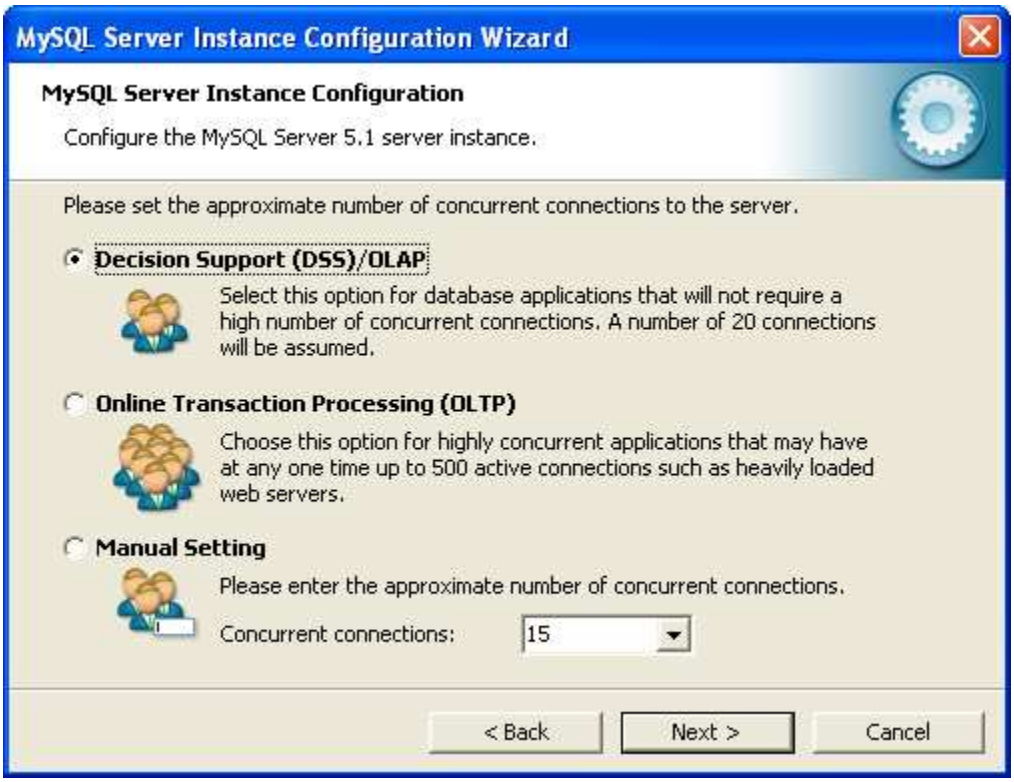
V. MySQL Installation

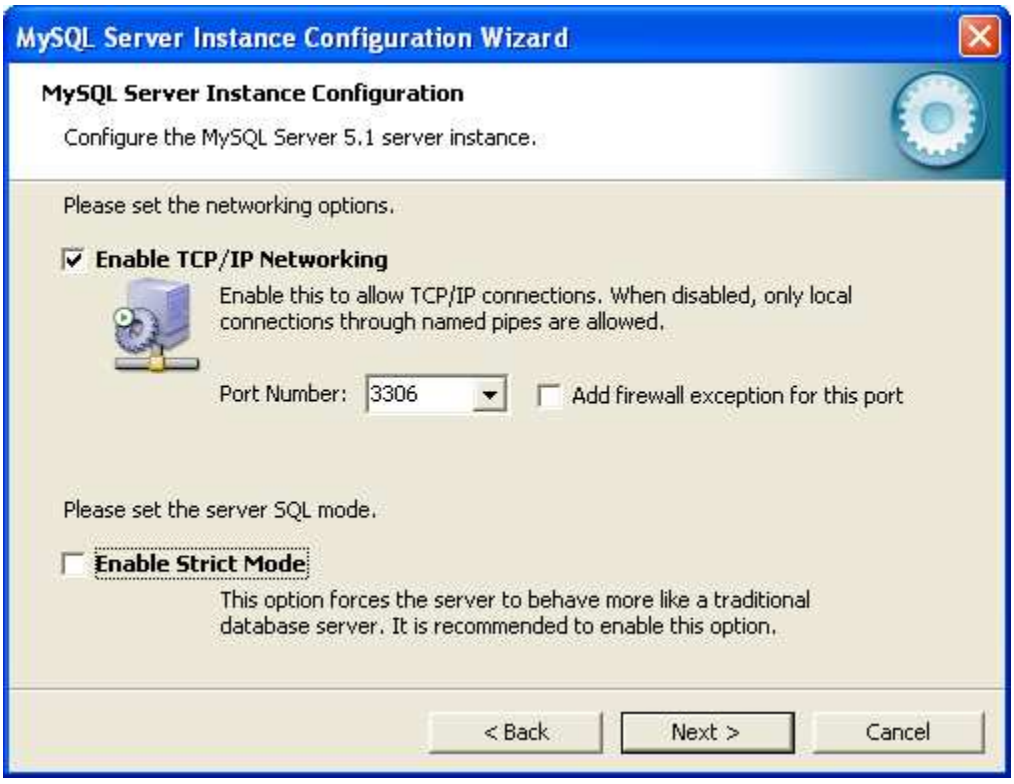
Here are the steps to install MySQL

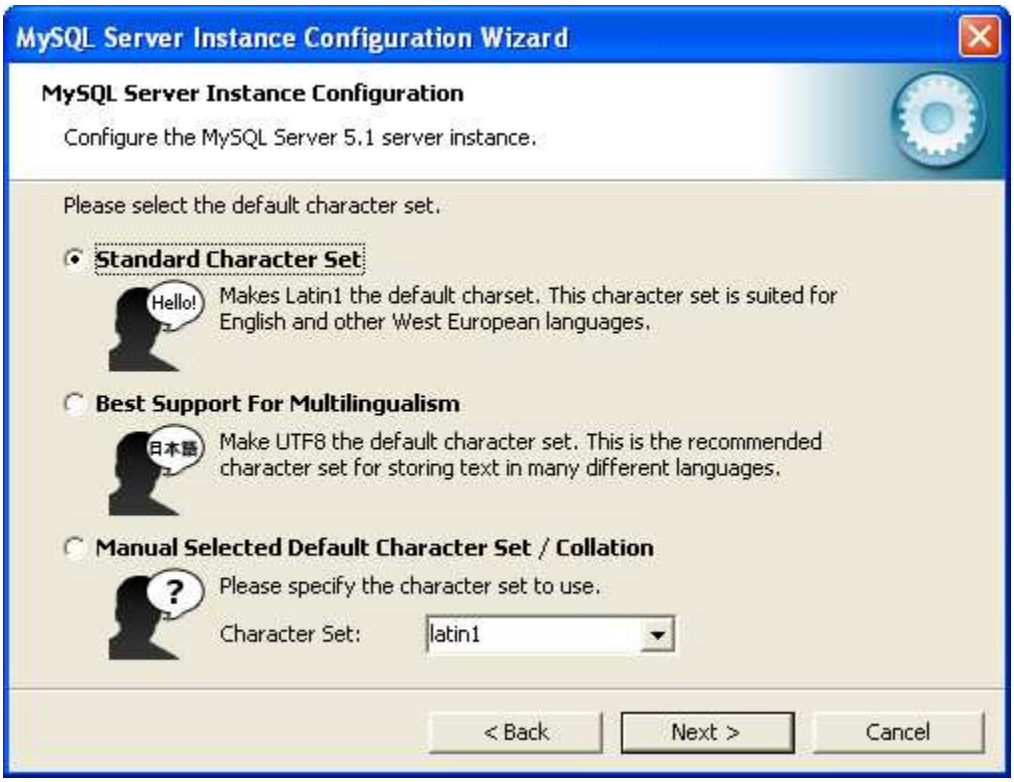


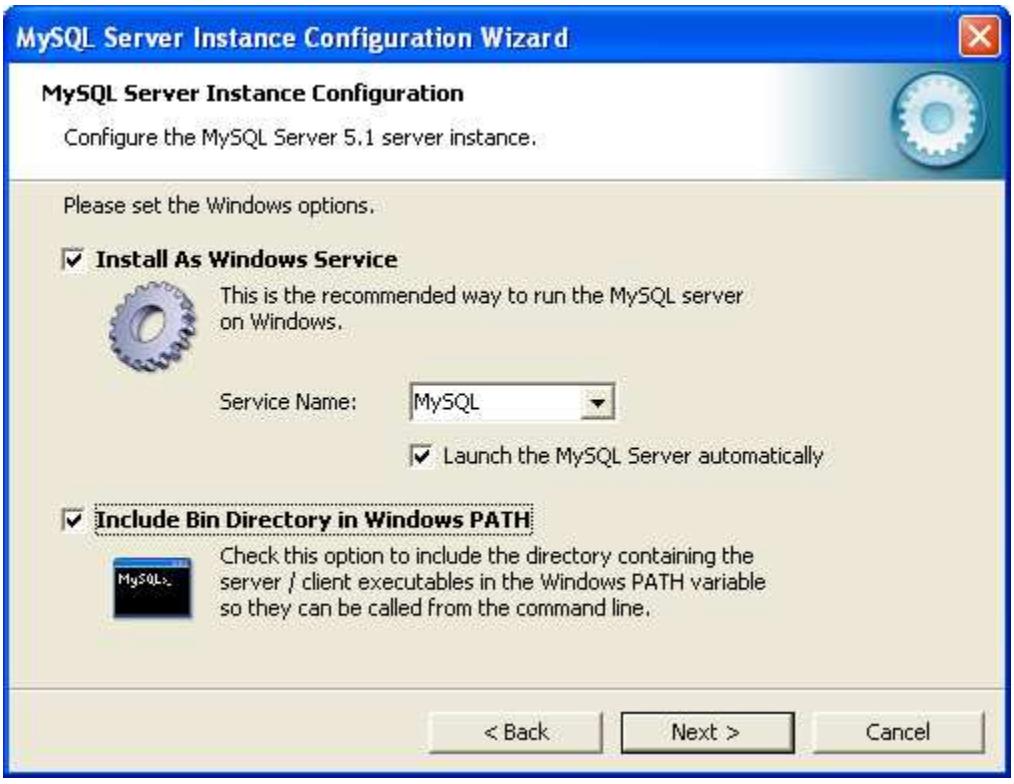


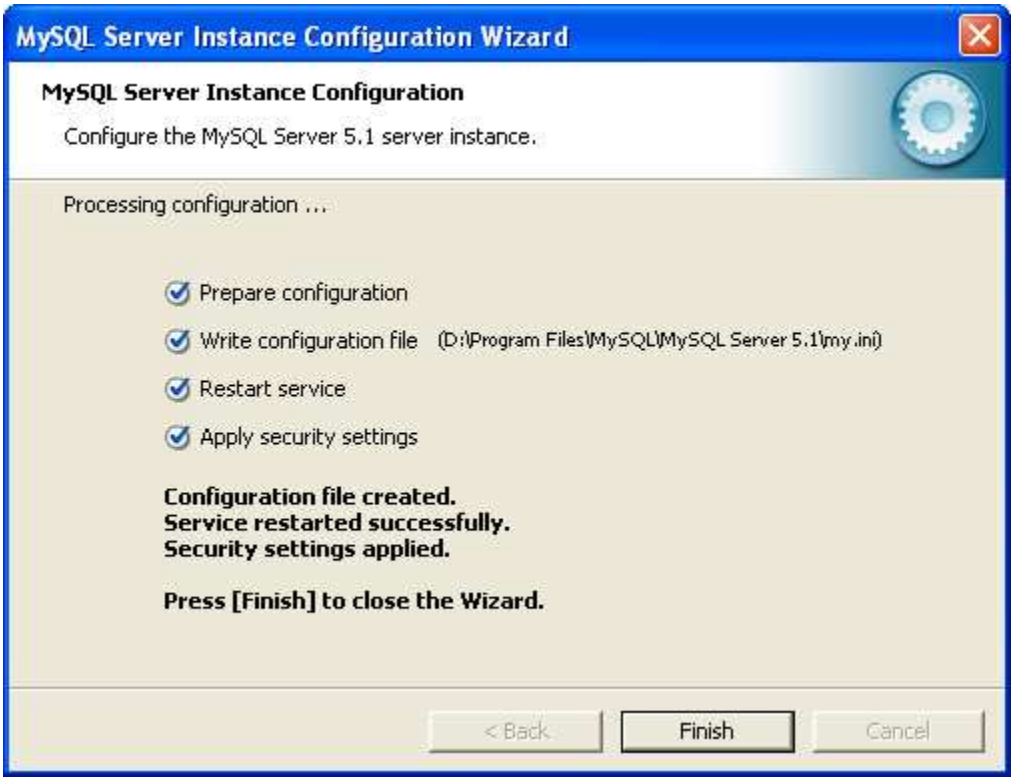
Remove the strict mode option


MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please set the approximate number of concurrent connections to the server.
Decision Support (DSS)/OLAP
Select this option for database applications that will not require a high number of concurrent connections. A number of 20 connections will be assumed.
Online Transaction Processing (OLTP)
Choose this option for highly concurrent applications that may have at any one time up to 500 active connections such as heavily loaded web servers.
Manual Setting
Please enter the approximate number of concurrent connections.
Concurrent connections:
15
< Back
Next >
Cancel


MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please set the networking options.
Enable TCP/IP Networking
Enable this to allow TCP/IP connections. When disabled, only local connections through named pipes are allowed.
Port Number:
3306
Add firewall exception for this port
Please set the server SQL mode.
Enable Strict Mode
This option forces the server to behave more like a traditional database server. It is recommended to enable this option.
< Back
Next >
Cancel

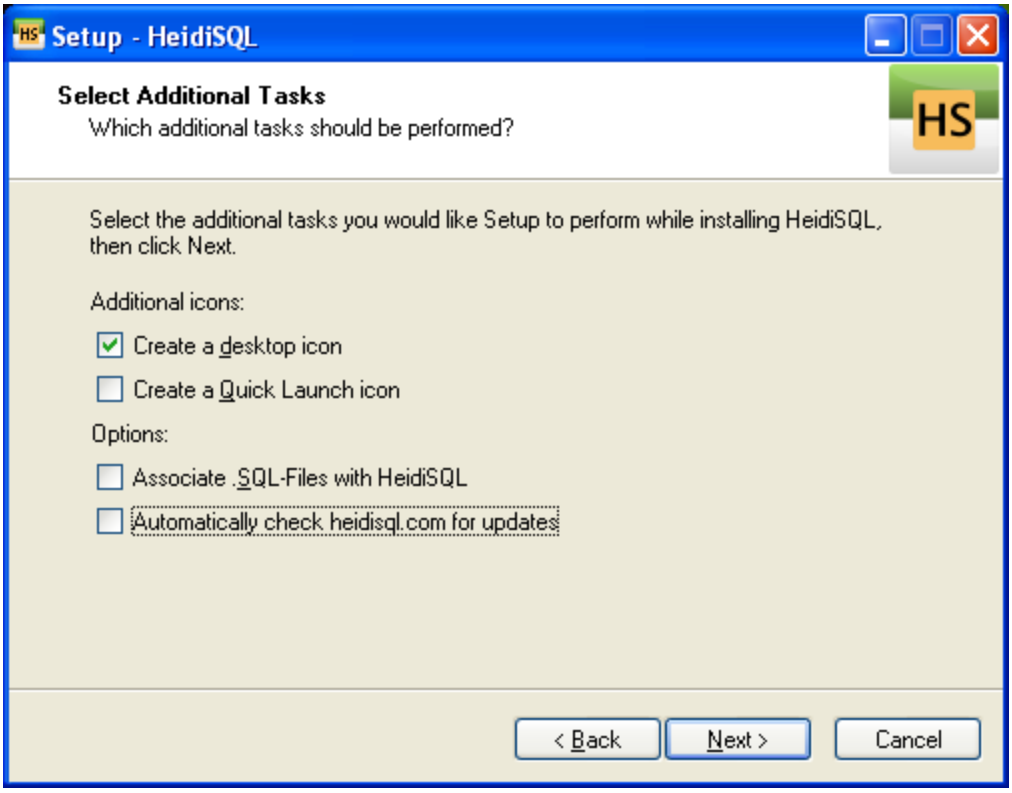

MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please select the default character set.
Standard Character Set
Hello!
Makes Latin1 the default charset. This character set is suited for English and other West European languages.
Best Support For Multilingualism
日本語
Make UTF8 the default character set. This is the recommended character set for storing text in many different languages.
Manual Selected Default Character Set / Collation
?
Please specify the character set to use.
Character Set:
latin1
< Back
Next >
Cancel


MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please set the Windows options.
Install As Windows Service
This is the recommended way to run the MySQL server on Windows.
Service Name:
MySQL
Launch the MySQL Server automatically
Include Bin Directory in Windows PATH
MySQL>_
Check this option to include the directory containing the server / client executables in the Windows PATH variable so they can be called from the command line.
< Back
Next >
Cancel

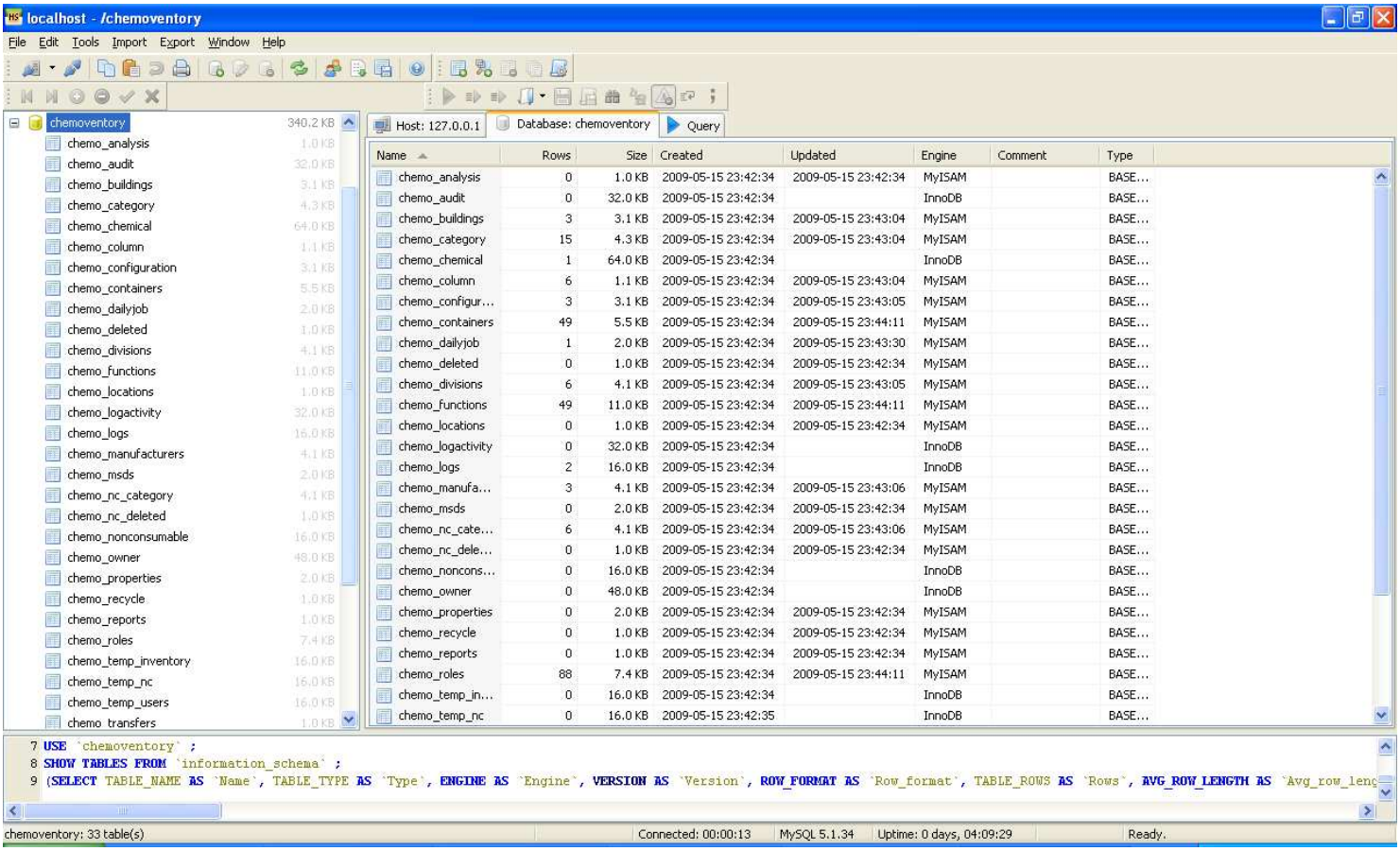


Install GUI interface for MySQL

Download Heidi MySQL from http://www.heidisql.com/download.php (with Installer)


Setup - HeidiSQL
Select Additional Tasks
Which additional tasks should be performed?
HS
Select the additional tasks you would like Setup to perform while installing HeidiSQL, then click Next.
Additional icons:
Create a desktop icon
Create a Quick Launch icon
Options:
Associate .SQL-Files with HeidiSQL
Automatically check heidisql.com for updates
< Back
Next >
Cancel

Session manager
New
Save
Save as
Delete
Session:
localhost
Hostname / IP:
127.0.0.1
User:
root
Password:
****
Port:
3306
Timeout:
30
seconds
Compressed client/server protocol
Database(s):
Sort databases alphabetically
Save + Connect
Connect!
Cancel
Powered by
MySQL


localhost - /chemoventory
File Edit Tools Import Export Window Help
chemoventory 340.2 KB
chemo_analysis 1.0 KB
chemo_audit 32.0 KB
chemo_buildings 3.1 KB
chemo_category 4.3 KB
chemo_chemical 64.0 KB
chemo_column 1.1 KB
chemo_configuration 3.1 KB
chemo_containers 5.5 KB
chemo_dailyjob 2.0 KB
chemo_deleted 1.0 KB
chemo_divisions 4.1 KB
chemo_functions 11.0 KB
chemo_locations 1.0 KB
chemo_logactivity 32.0 KB
chemo_logs 16.0 KB
chemo_manufacturers 4.1 KB
chemo_msds 2.0 KB
chemo_nc_category 4.1 KB
chemo_nc_deleted 1.0 KB
chemo_nonconsumable 16.0 KB
chemo_owner 48.0 KB
chemo_properties 2.0 KB
chemo_recycle 1.0 KB
chemo_reports 1.0 KB
chemo_roles 7.4 KB
chemo_temp_inventory 16.0 KB
chemo_temp_nc 16.0 KB
chemo_temp_users 16.0 KB
chemo_transfers 1.0 KB
Host: 127.0.0.1
Database: chemoventory
Query
Name Rows Size Created Updated Engine Comment Type
chemo_analysis 0 1.0 KB 2009-05-15 23:42:34 2009-05-15 23:42:34 MyISAM BASE...
chemo_audit 0 32.0 KB 2009-05-15 23:42:34 InnoDB BASE...
chemo_buildings 3 3.1 KB 2009-05-15 23:42:34 2009-05-15 23:43:04 MyISAM BASE...
chemo_category 15 4.3 KB 2009-05-15 23:42:34 2009-05-15 23:43:04 MyISAM BASE...
chemo_chemical 1 64.0 KB 2009-05-15 23:42:34 InnoDB BASE...
chemo_column 6 1.1 KB 2009-05-15 23:42:34 2009-05-15 23:43:04 MyISAM BASE...
chemo_configur... 3 3.1 KB 2009-05-15 23:42:34 2009-05-15 23:43:05 MyISAM BASE...
chemo_containers 49 5.5 KB 2009-05-15 23:42:34 2009-05-15 23:44:11 MyISAM BASE...
chemo_dailyjob 1 2.0 KB 2009-05-15 23:42:34 2009-05-15 23:43:30 MyISAM BASE...
chemo_deleted 0 1.0 KB 2009-05-15 23:42:34 2009-05-15 23:42:34 MyISAM BASE...
chemo_divisions 6 4.1 KB 2009-05-15 23:42:34 2009-05-15 23:43:05 MyISAM BASE...
chemo_functions 49 11.0 KB 2009-05-15 23:42:34 2009-05-15 23:44:11 MyISAM BASE...
chemo_locations 0 1.0 KB 2009-05-15 23:42:34 2009-05-15 23:42:34 MyISAM BASE...
chemo_logactivity 0 32.0 KB 2009-05-15 23:42:34 InnoDB BASE...
chemo_logs 2 16.0 KB 2009-05-15 23:42:34 InnoDB BASE...
chemo_manufa... 3 4.1 KB 2009-05-15 23:42:34 2009-05-15 23:43:06 MyISAM BASE...
chemo_msds 0 2.0 KB 2009-05-15 23:42:34 2009-05-15 23:42:34 MyISAM BASE...
chemo_nc_cate... 6 4.1 KB 2009-05-15 23:42:34 2009-05-15 23:43:06 MyISAM BASE...
chemo_nc_dele... 0 1.0 KB 2009-05-15 23:42:34 2009-05-15 23:42:34 MyISAM BASE...
chemo_noncons... 0 16.0 KB 2009-05-15 23:42:34 InnoDB BASE...
chemo_owner 0 48.0 KB 2009-05-15 23:42:34 InnoDB BASE...
chemo_properties 0 2.0 KB 2009-05-15 23:42:34 2009-05-15 23:42:34 MyISAM BASE...
chemo_recycle 0 1.0 KB 2009-05-15 23:42:34 2009-05-15 23:42:34 MyISAM BASE...
chemo_reports 0 1.0 KB 2009-05-15 23:42:34 2009-05-15 23:42:34 MyISAM BASE...
chemo_roles 88 7.4 KB 2009-05-15 23:42:34 2009-05-15 23:44:11 MyISAM BASE...
chemo_temp_in... 0 16.0 KB 2009-05-15 23:42:34 InnoDB BASE...
chemo_temp_nc 0 16.0 KB 2009-05-15 23:42:35 InnoDB BASE...
7 USE `chemoventory` ;
8 SHOW TABLES FROM `information_schema` ;
9 (SELECT TABLE_NAME AS `Name`, TABLE_TYPE AS `Type`, ENGINE AS `Engine`, VERSION AS `Version`, ROW_FORMAT AS `Row_format`, TABLE_ROWS AS `Rows`, AVG_ROW_LENGTH AS `Avg_row_leng
chemoventory: 33 table(s)
Connected: 00:00:13
MySQL 5.1.34
Uptime: 0 days, 04:09:29
Ready.