Setting up PHP and Firebird on Linux

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Setting up PHP and Firebird on Linux

This paper offers a succinct description of the steps we took to set up PHP 5 on Linux to work with Firebird.

Preparation

1. Obtain the source code of Apache HTTP Server (2.2.8): http://apache.wildit.net.au/httpd/httpd-2.2.8.tar.bz2
2. Obtain the source code of PHP (5.2.5): http://au.php.net/get/php-5.2.5.tar.bz2/from/au2.php.net/mirror
3. • Unpack httpd to, e.g. /yourhome/apps/httpd-2.2.8.
   • Unpack php to, e.g. /yourhome/apps/php-5.2.5.
4. Be prepared with the path to Firebird installation in your system (e.g. /opt/firebird) and the paths to which you would like Apache and PHP to be installed, e.g. /yourhome/inst/httpd and /yourhome/inst/php respectively.

Build and Installation

Warning
Adjust the paths to suit your own configuration.

Apache

cd /yourhome/apps/httpd-2.2.8
./configure --enable-so --prefix=/yourhome/inst/httpd
make
make install

PHP

cd /yourhome/apps/php-5.2.5
./configure --with-interbase=/opt/firebird/ \
--with-apxs2=/yourhome/inst/httpd/bin/apxs --disable-libxml \
--disable-dom --disable-simplexml --disable-xml \
--disable-xmlreader --disable-xmlwriter --without-pear \
--prefix=/yourhome/inst/php
make
make install

Note

These switches—

--disable-libxml \
--disable-dom --disable-simplexml --disable-xml \
--disable-xmlreader --disable-xmlwriter --without-pear

—are specific to our system, as pear uses XML and we don't have libxml installed in our system. If you have libxml in your system, of course these switches are unnecessary.

Testing

Run the following script. Make sure that the Firebird example employee database is at the location specified in $dbname.

```php
<?php
header("Content-Type: text/plain");
$dbname = '/opt/firebird/examples/empbuild/employee.fdb';
$dbuser = '';
$dbpassword = '';
$res = ibase_connect($dbname, $dbuser, $dbpass) or die(ibase_errmsg());
#
$sql = "SELECT * FROM Country";
$result = ibase_query($res, $sql) or die(ibase_errmsg());
echo ibase_num_fields($result);
while($row=ibase_fetch_object($result))
{
```
printf("%-15s %s\n", $row->COUNTRY, $row->CURRENCY);
}
ibase_free_result($result);
ibase_close($res) or die(ibase_errmsg());
?>
Appendix A: Document History

The exact file history is recorded in the manual/src/docs/papers module in our CVS tree; see http://sourceforge.net/cvs/?group_id=9028

**Revision History**

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<tr>
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Appendix B:
License Notice

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The Initial Writer of the Original Documentation is: Iman Suyoto, Linfox Armaguard IT, Australia.

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