



# Setting up PHP and Firebird on Linux

Iman Suyoto  
Linfox Armaguard IT, Australia

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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  
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](http://sourceforge.net/cvs/?group_id=9028)

### Revision History

1.0.0	3 Mar 2008	(Ed.)	Original version, reproduced from WP file submitted by Bill Katelis.
1.0.1	4 Mar 2008	(Ed.)	Author Iman Suyoto added some notes, boss Bill Katelis added some author details.

## 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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