Tiki Suite Development

Here are notes to convert an Installation to be able to develop & debug on it.

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Update your PHP to 5.5

- http://www.clearfoundation.com/docs/howtos/upgrading_to_php_5.5.x
  - This is needed to develop for Tiki13 and up.

Subversion

- http://www.clearfoundation.com/docs/howtos/subversion

Git

- Using Git with Tiki
- http://www.clearfoundation.com/docs/howtos/git

Xdebug

Install it on ClearOS:

```bash
yum install php-pecl-xdebug
```

or, if using PHP 5.5, you will need this:

```bash
yum install --enablerepo=remi-php55 php-pecl-xdebug
```

Then enable it, by creating a config file:

```bash
touch /etc/php.d/xdebug-custom.ini
```
Fill it up with these sample options:

```plaintext
; add this for xdebug:
xdebug.remote_enable = 1
xdebug.remote_handler = dbgp
xdebug.remote_mode = req
xdebug.remote_host = 127.0.0.1
xdebug.remote_port = 9000
; This might slow down the Apache2 server, but it's handy:
; Otherwise we need ?XDEBUG_SESSION_START=1 with each request:
xdebug.remote_autostart = 1
```

Restart Apache

```
service httpd restart
```

Install it on Ubuntu 14.04

If ever you use it, it's a bit different. Install:

```
apt-get install php5-xdebug
```

And the file to edit: (the same options are ok)

```
/etc/php5/apache2/php.ini
```

Restart Apache

```
service apache2 restart
```

Bam!

Using Xdebug with the Vim editor on the server

Install the Vdebug Vim plugin:

```
mkdir -p ~/.vim
pushd ~/.vim
tar -zxf vdebug-1.4.2.tar.gz
popd
```

Edit your ~/.vimrc config file and add this

```
let g:vdebug_options = { "break_on_open" : 0, }
```

Finally, to make install Vdebug's help tags, launch Vim and enter this command:
The help should work:

:help Vdebug

Then, to add a break point, open the PHP file you want to debug, go to some line and enter the command:

:Breakpoint

Do the same to remove it.

Type F5 to start debugging. F2 to continue. F6 twice to stop. Have fun!

**phpdbg**

- https://wiki.php.net/rfc/phpdbg
- http://www.reddit.com/r/PHP/comments/1vige3/anybody_use_phpdbg_as_their_debugger_how_does_it/
- Support DBGP protocol for easy integration with IDEs and tools

**LDAP**

See: Tiki Suite LDAP

**Related links**

**Mostly PHP apps**

- https://wiki.kolab.org/Developers_overview
- http://developer.piwik.org/
- https://dev.tiki.org/Hello+World

**Non-PHP apps**

- https://jitsi.org/Documentation/DeveloperDocumentation
- https://github.com/elastic/elasticsearch/blob/master/CONTRIBUTING.md