# Debugging PHP:
# Using Komodo IDE with XDebug

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Why?

- Understand someone else's software.

- Understand your own software.

- Fix weird and wonderful bugs.

- Save **loads** of time.

How?

- Download or purchase Komodo at http://www.activestate.com/

- Set up Apache with Xdebug support.

  - Hopefully your distribution has this (or download for Windows).

  - Or: build it.

- Set the port under Prefs / Debug

- PROFIT!!!!

```
Browser
http://...?XDEBUG_SESSION_START=1
```

Port 80

```
Apache  + PHP + XDebug
```

```
Komodo IDE Debugger
```
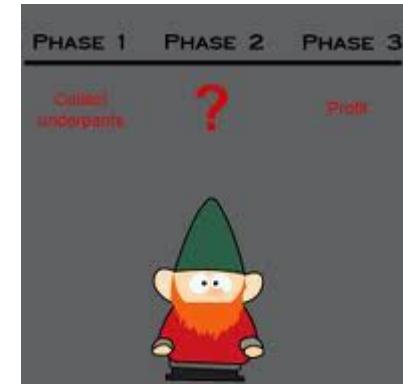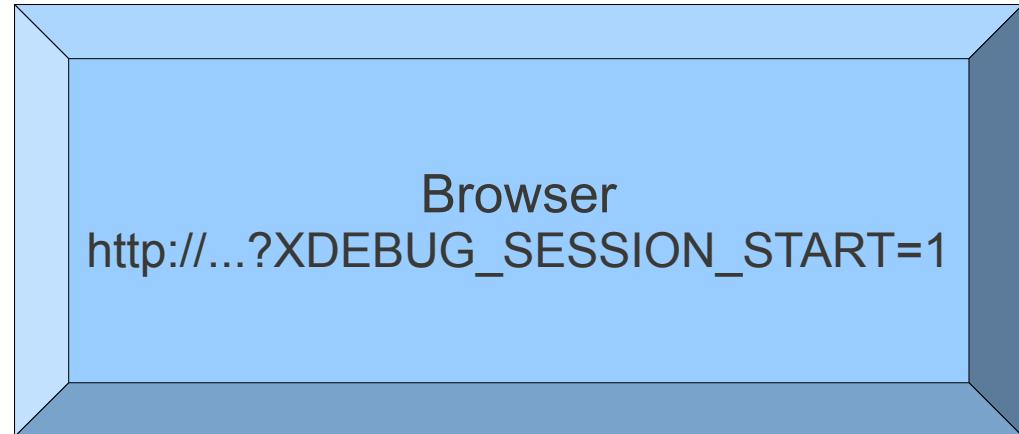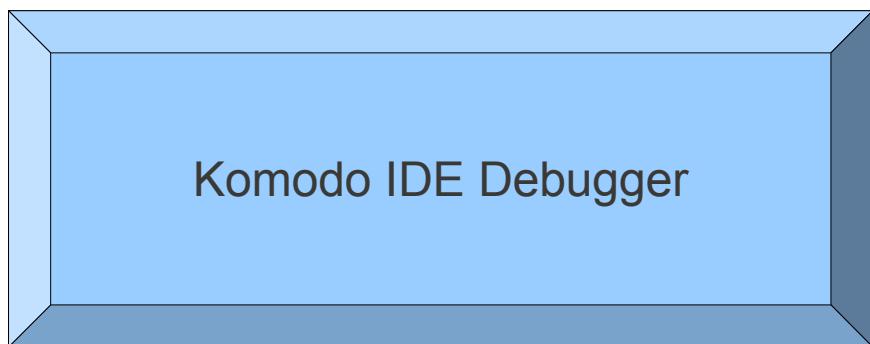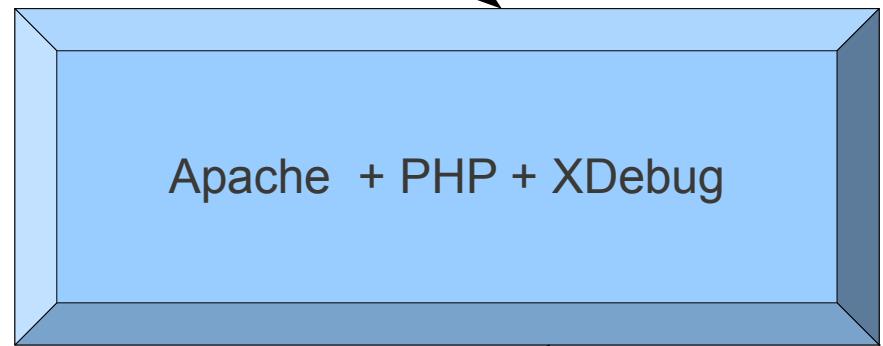
Port 9000 (configurable)

/etc/php5/apache2/php.ini (Location for Debian)

[xdebug]

;; RMT standard stuff for Komodo or PHPEclipse
;; Your xdebug executable **may** be listed in /etc/php5/conf.d/
;; If not, you can add it here:
zend_extension=/usr/lib/php5/20060613+lfs/xdebug.so

xdebug.remote_enable=1
xdebug.remote_handler=dbgp
xdebug.remote_mode=req
xdebug.remote_host=127.0.0.1
xdebug.remote_port=9000

Useful Stuff

- easy Xdebug (https://addons.mozilla.org/en-us/firefox/addon/easy-xdebug/)

Get Komodo Set Up

- Create a new project that includes your document root directory in Apache

- Turn on PHP debugging in Edit / Preferences.

- Set up *.module and similar Drupal prefixes as PHP files.

- Consider installing "easy xDebug" in your browser, and...

- Debug away.

Preferences

Category

- Appearance
  - Code Intelligence
  - Database Explorer
- − Debugger
  - Connection
  - Advanced
- + Editor
  - Environment
  - Fast Open
  - File Associations
  - Find
  - Fonts and Colors
  - Formatters
  - HTTP Inspector
  - Interactive Shell
  - Internationalization
  - Language Help
- − Languages
  - JavaScript
  - + Perl
  - PHP
  - Python
  - Python3
  - + Ruby
  - + Tcl
  - HTML
  - XML Catalogs
 - ActionScript
  - Mapped URIs
  - New Files
  - Places

Debugging Session Startup

When starting a new debug session:

| Ask me what files to save ▼ |

When receiving a remote debugging connection:

| Allow the connection ▼ |

Initial break behavior:

| Run to first breakpoint ▼ |

☐ Skip debugging options dialog (use Ctrl key to override)

Debugging Session Shutdown

Confirm when closing debugger session tab:

| Ask me each time ▼ |

☑ Restore cursor position at debugger session startup

Debugger/Editor Integration

☑ Show expression values in hover tooltips

☑ Try to find files on the local system when remote debugging

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Debugger Connection

Komodo should listen for debugging connections on:

○ a system-provided free port

⦿ a specific port: `9000`

☐ I am running a debugger proxy and Komodo should use it.

Proxy Listener Address (e.g. 127.0.0.1:9001):

`127.0.0.1:9001`

Proxy Key (the name by which the proxy identifies this instance of Komodo; if left empty your username is used):

Summary: Komodo will listen for debugging connections on port 9000. Currently Komodo is listening on port 9000. Current connection status.

Debugging PHP Scripts (Drush)

```bash
#! /bin/bash
export XDEBUG_CONFIG="remote_port=9000 remote_enable=1"
DRUP_INSTALL=/home/rtoren/Torenware/Website/tfcnew/docs
DRUSH=/home/rtoren/drush
php $DRUSH/drush/drush.php -l  https://test -r $DRUP_INSTALL $@
```