# PHP code profiling using XDebug

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## Overview

- Introduction
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- Enabling Profiling in Xdebug
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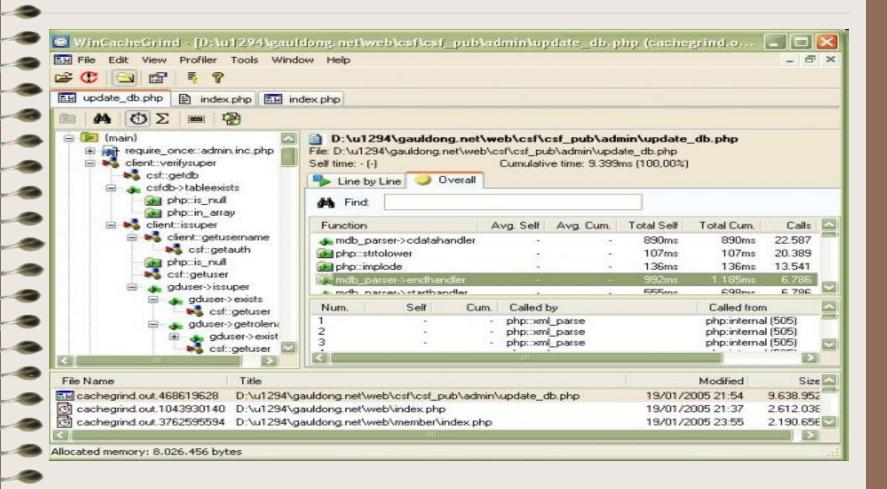
#### Introduction

- Xdebug is a powerhouse extension for PHP.
- It has a ton of features like debugging, tracing, profiling and analyzing problems with PHP code.
- Today we will focus on some of it's profiling abilities.

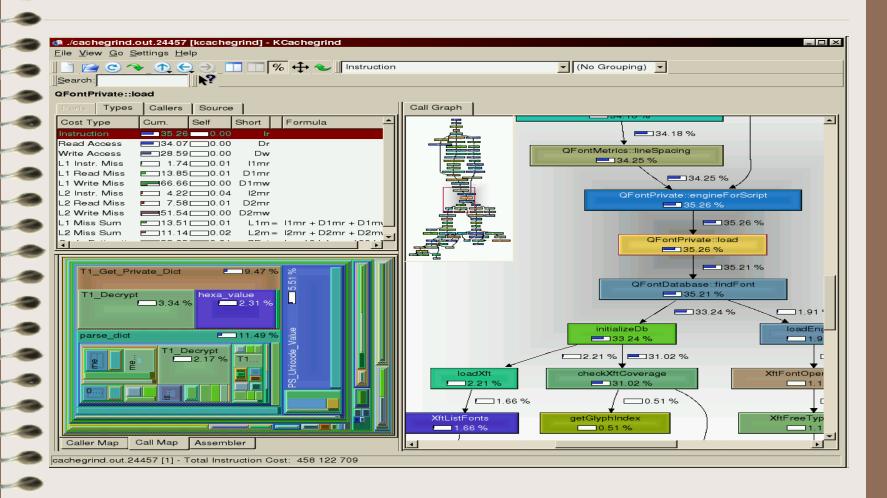
# Profiling with Xdebug

- Xdebug can generate cachegrind files that contain profiling information.
- It can be used to find bottle-necks in your scripts.
- You need a tool to read these files.
- Some of your options are: WinCacheGrind, KCacheGrind, webgrind.
- These tools allow you to analyze script execution (execution time breakdown, # function calls, etc).

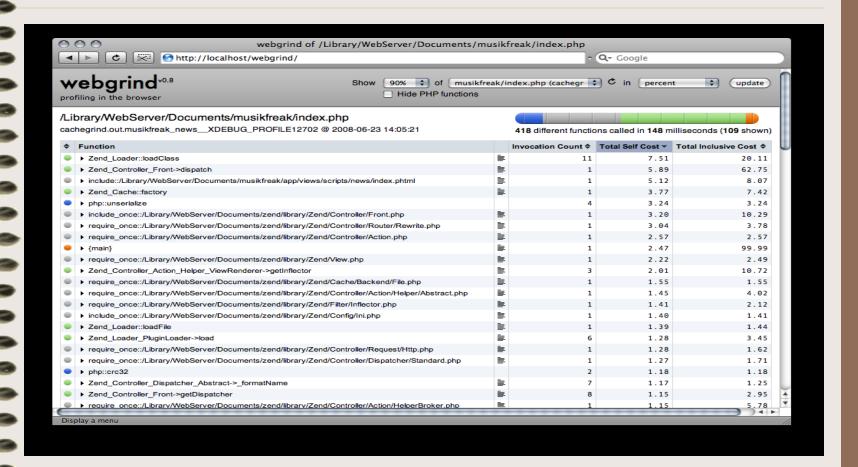
#### WinCacheGrind



#### KCacheGrind Screenshot



#### WebGrind Screenshot



# **Enabling Profiling**

- xdebug.profiler\_append
  - Default: 0
- xdebug.profiler\_enable
  - Default: 0
- xdebug.profiler\_output\_dir
  - Default: /tmp
- xdebug.profiler\_output\_name
  - Default: cachegrind.out.%p

# Summary

- Xdebug is a very powerful extension with a ton of great features.
- We only covered one tiny thing that this extension can do.
- This is a MUST in development environment.
- Come see me speak at NYPHP August 25, 2009 covering Xdebug from A to X.

#### Resources

- Xdebug: <a href="http://www.xdebug.org">http://www.xdebug.org</a>
- WinCacheGrind:
   <a href="http://sourceforge.net/projects/wincachegrind/">http://sourceforge.net/projects/wincachegrind/</a>
- KCacheGrind: <a href="http://kcachegrind.sourceforge.net/">http://kcachegrind.sourceforge.net/</a>
- WebGrind: <a href="http://code.google.com/p/webgrind/">http://code.google.com/p/webgrind/</a>
- My blog: <a href="http://www.gena01.com/blog/">http://www.gena01.com/blog/</a>



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## Q & A