PHP code profiling using XDebug

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Overview

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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:  http://www.xdebug.org
• WinCacheGrind:
  http://sourceforge.net/projects/wincachegrind/
• KCacheGrind:
  http://kcachegrind.sourceforge.net/
• WebGrind:  http://code.google.com/p/webgrind/
• My blog:  http://www.gena01.com/blog/
www.ManageIT.me

$50-off with rate code: NYWebPerformance

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Q & A