XHPROF & WONDERPROXY

Paul Reinheimer

PHP COMMUNITY CONFERENCE - APRIL 2010



VALUE

MISTAKES



MAGIC OF THE CAMPFIRE





STORY

- Introduction
- CHAPTER I PROBLEMS
- CHAPTER 2 BELIEFS
- CHAPTER 3 EXECUTION
- Chapter 4 Statistics
- CHAPTER 5 MISTAKES
- CHAPTER 6 THE ROAD AHEAD

INTRODUCTION





Problems

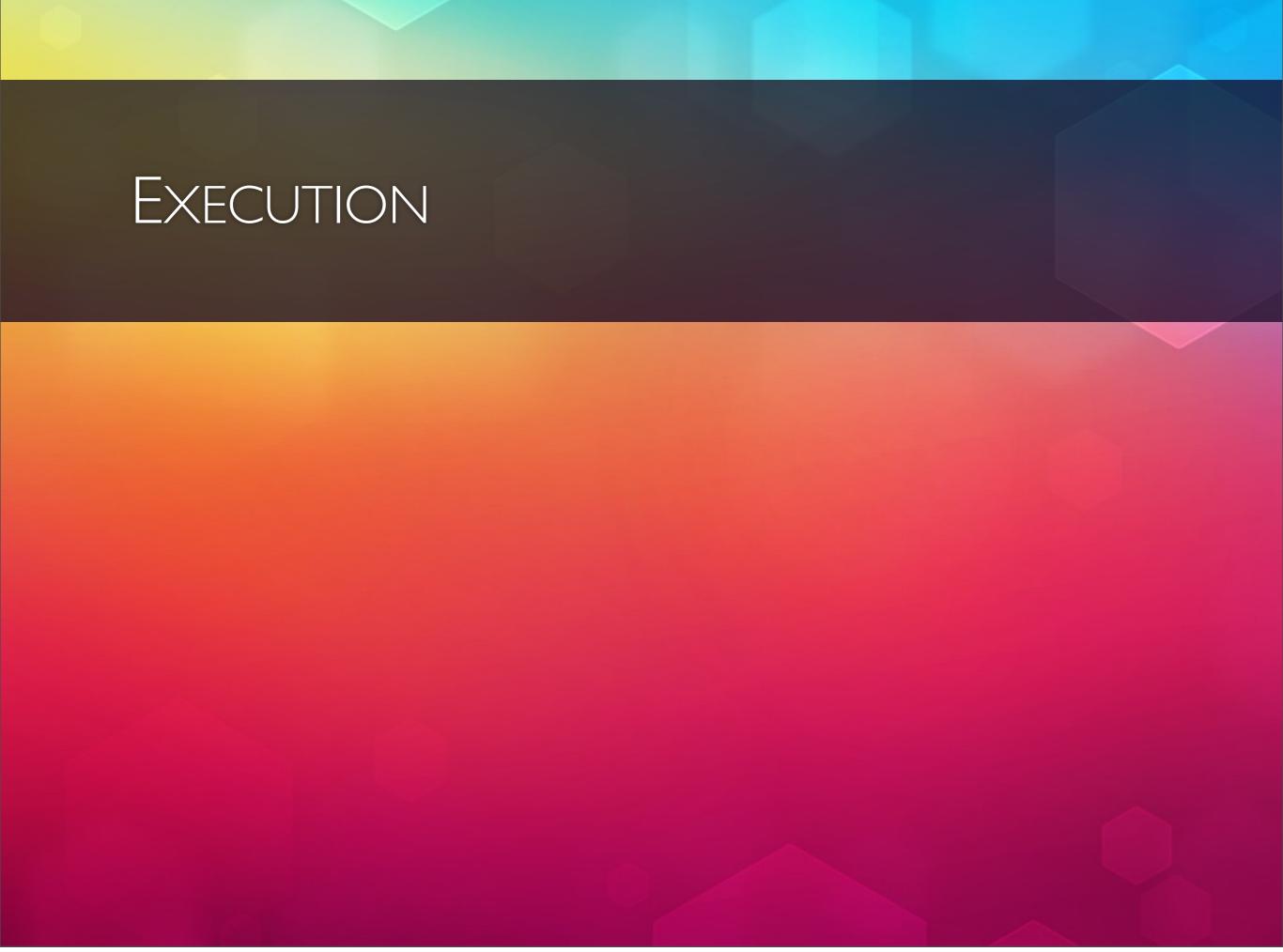


BELIEFS



EXECUTION





STATISTICS

- 41 PROXIES
- 26 Countries Australia, Austria, Belgium, Brazil, Canada, Ireland, Czech Republic, Denmark, Estonia, France, Germany, Italy, Japan, Malaysia, Mexico, Netherlands, New Zealand, Poland, Republic of Singapore, Romania, Russian Federation, South Africa, Spain, Sweden, Switzerland, Ukraine, United Kingdom, åUnited States
- 6 Continents
- 39.7 TERABYTES OF RELAYED DATA
- PROFITABLE

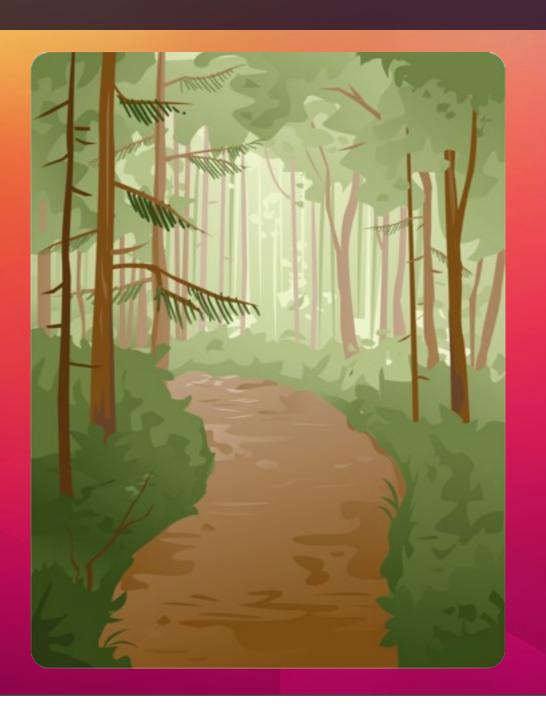
STATISTICS

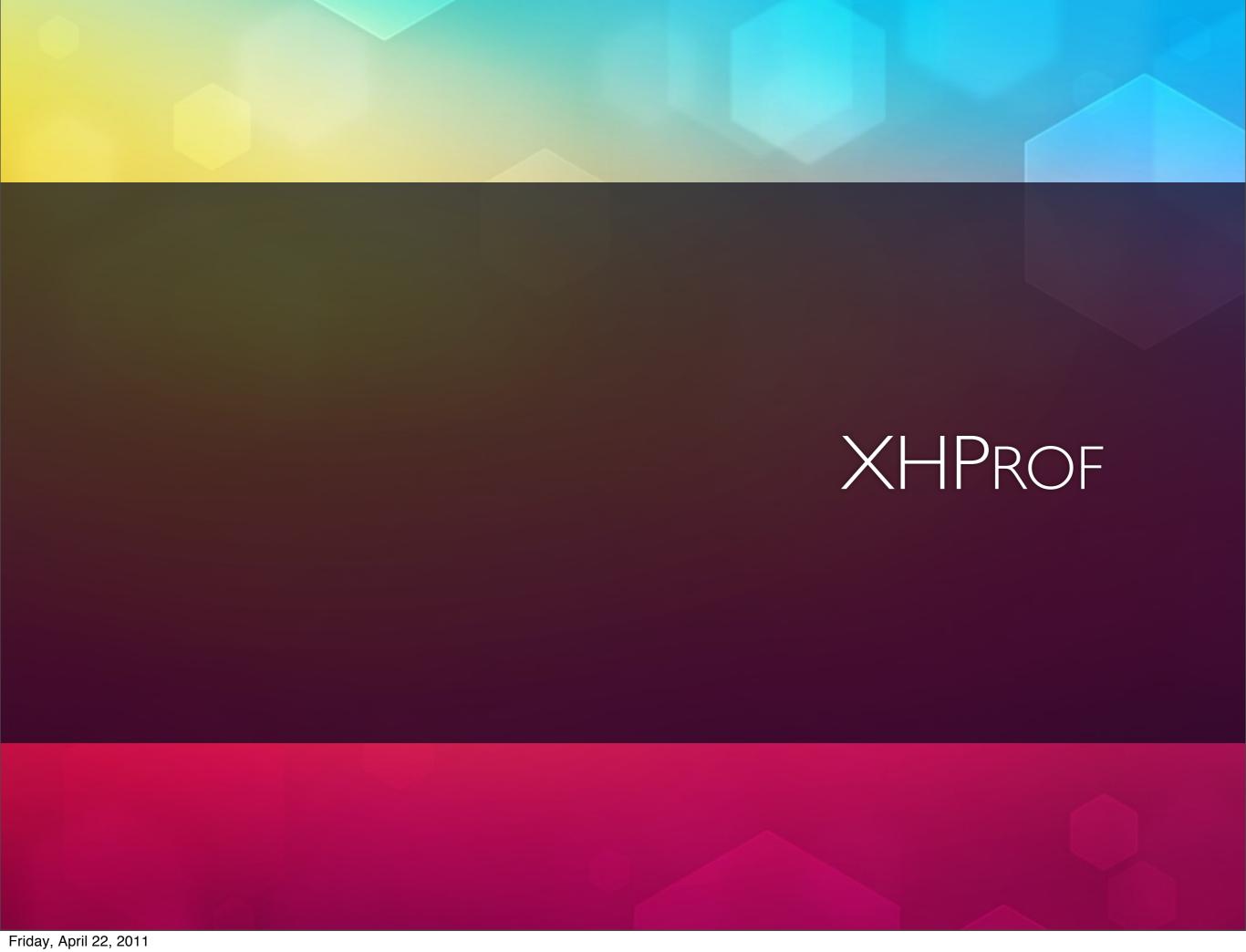
50 HAPPY CUSTOMERS

MISTAKES



THE ROAD AHEAD





STORY

- Introduction
- CHAPTER I PROBLEMS
- CHAPTER 2 EXECUTION
- CHAPTER 3 USE
- CHAPTER 4 FAILURES
- Chapter 5 Success

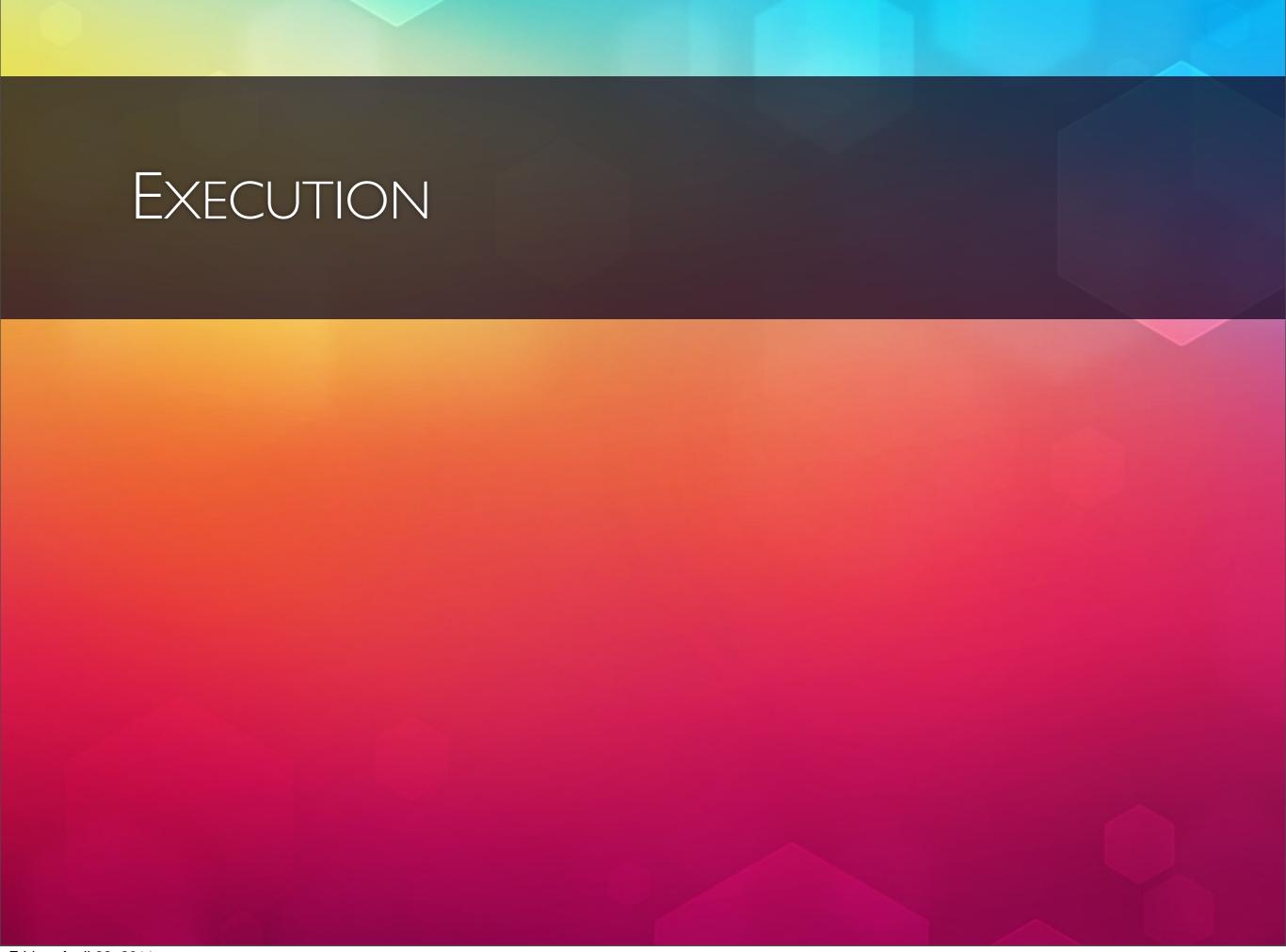
Introduction

PROBLEMS



EXECUTION





USE



USE

INSTALL

GIT CLONE GIT://GITHUB.COM/PREINHEIMER/XHPROF.GIT

USE

CONFIGURE

PHP.INI -

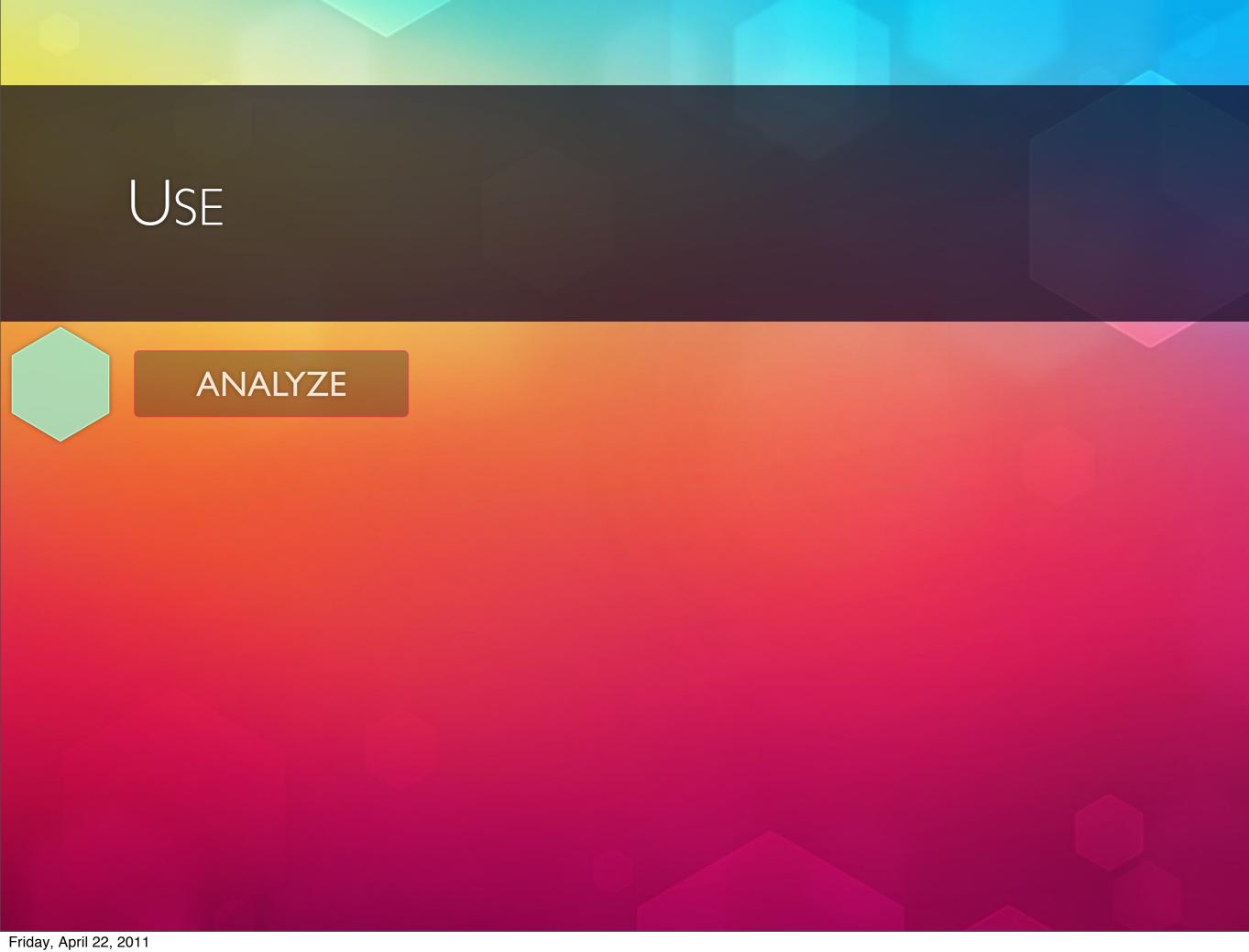
AUTO_PREPEND_FILE: HEADER.PHP

AUTO APPEND FILE: HEADER.PHP

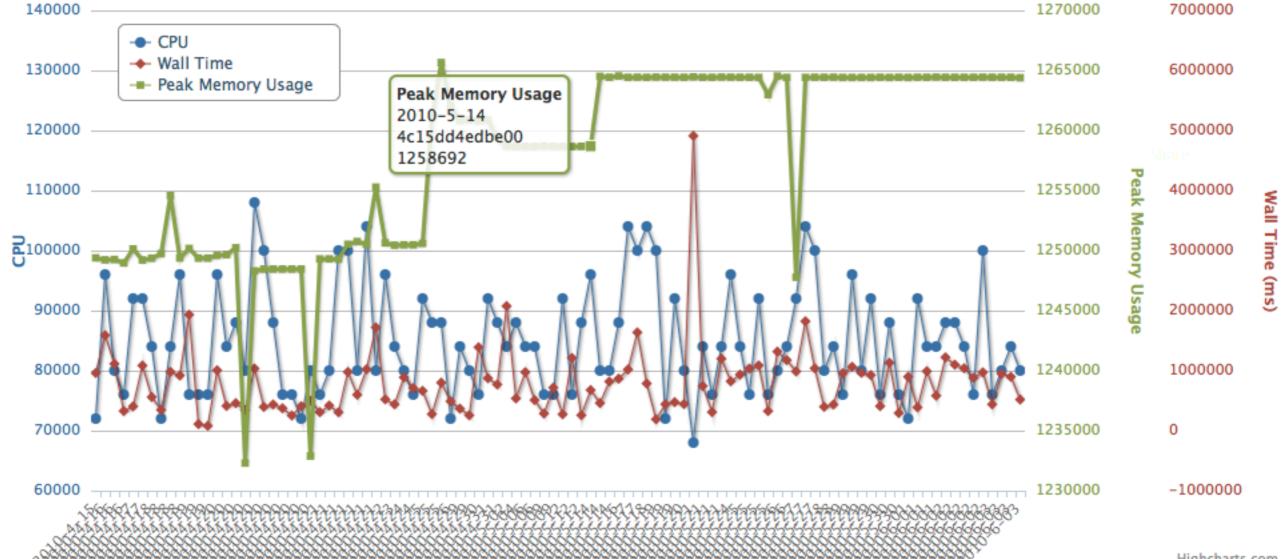
PHP.INI -

AUTO PREPEND FILE: HEADER.PHP

AUTO_APPEND_FILE: HEADER.PHP







→ Timestamp	♦ Cpu	♦ Wall Time	Peak Memory Usage	♦ URL	Simplified URL
May 15 17:22:24 4bef1091dabc8	72004	959712	1249388	<u> </u>	<u> </u>
May 16 05:58:46 4befc1d88a58d	96006	1587463	1249228	<u>/</u>	<u>/</u>
May 16 09:13:22	90005	1111050	1240256	,	,

RunID: 4bef1091dabc8 against blog.preinheimer.com/

View Callgraph

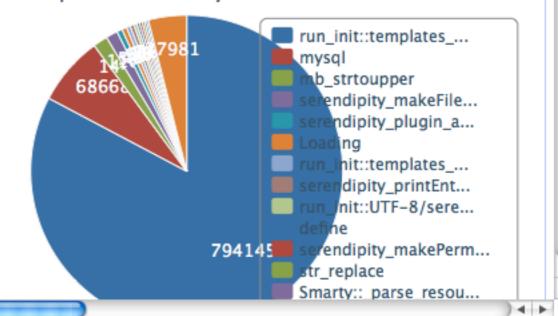
Stat	Exact URL	Similar URLs
Count	431	431
Min Wall Time	80.0740 ms	80.0740 ms
Max Wall Time	13.4525 s	13.4525 s
Avg Wall Time	1.3560 s	1.3560 s
95% Wall Time	3.9578 s	3.9578 s
Display run Incl. Wall Time (microsec)	959,712 microsecs	
Min CPU Ticks	68.0040 ms	68.0040 ms
Max CPU Ticks	300.0190 ms	300.0190 ms
Avg CPU Ticks	87.1422 ms	87.1422 ms
95% CPU Ticks	100.0070 ms	100.0070 ms
Display run Incl. CPU (microsecs)	72,004 microsecs	
Min Peak Memory Usage	1,232,296 bytes	1,232,296 bytes
Max Peak Memory Usage	5,934,540 bytes	5,934,540 bytes
Avg Peak Memory Usage	1,292,276 bytes	1,292,276 bytes
95% Peak Memory Usage	1,292,504 bytes	1,292,504 bytes
Display run Incl. PeakMemUse (bytes)	1,249,388 bytes	
Number of Function Calls:	6,684	
Perform Delta:		Delta

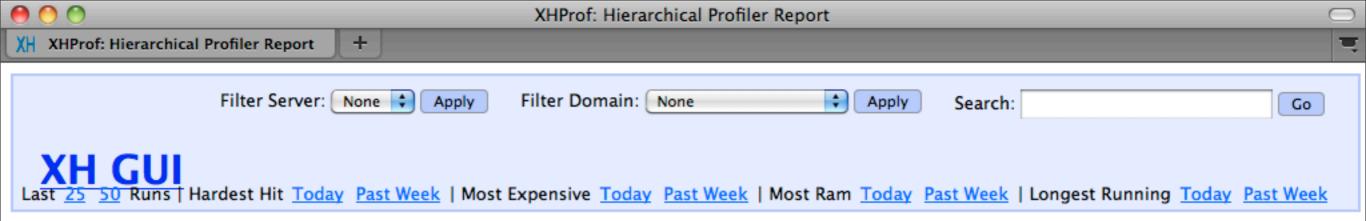
Cookie	Results
utmz	67726530.1272566240.115.6 (referral) utmcmd=r eferral/reducing_oracle_lob_memore
s9y_bd0facf5b05c3c47c6f3b81718eelacf	aef00bc01afe2127a7a11b5c
_profile	1
utma	67726530.8167879190084560
utmc	67726530
utmb	67726530.17.10.1273956654
serendipity	
)4+

Get	Results	
serendipity	, , 1, 1273958545	

Post Results serendipity

Expensive Calls by Exclusive Wall Time





Parent/Child report for serendipity_property_bag::get [View Callgraph]

Function Name	Calls	Calls %	Incl. Wall Time (microsec)	Wall %	Incl. CPU (microsecs)	ICpu%	Incl. MemUse (bytes)	IMemUse%	Incl. PeakMemUse (bytes)	IPeakN
Current Function										
serendipity property bag::get	321	85.6%	889	0.1%	4,000	5.6%	16,300	1.4%	1,388	
Exclusive Metrics for Current Function			889	100.0%	4,000	100.0%	16,300	100.0%	1,388	
Parent functions										
serendipity plugin api::hook event	315	98.1%	871	98.0%	4,000	100.0%	15,560	95.5%	908	
serendipity event entryproperties::event hook	6	1.9%	18	2.0%	0	0.0%	740	4.5%	480	

RunID: 4bef1091dabc8 against blog.preinheimer.com/

View Callgraph

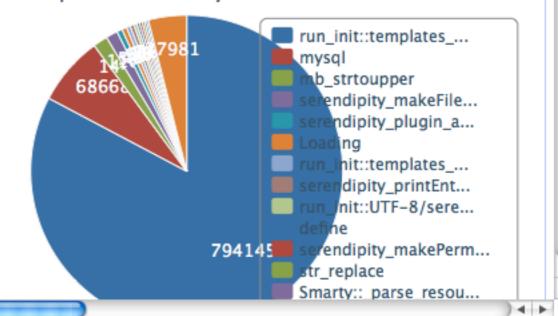
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Number of Function Calls:	6,684	
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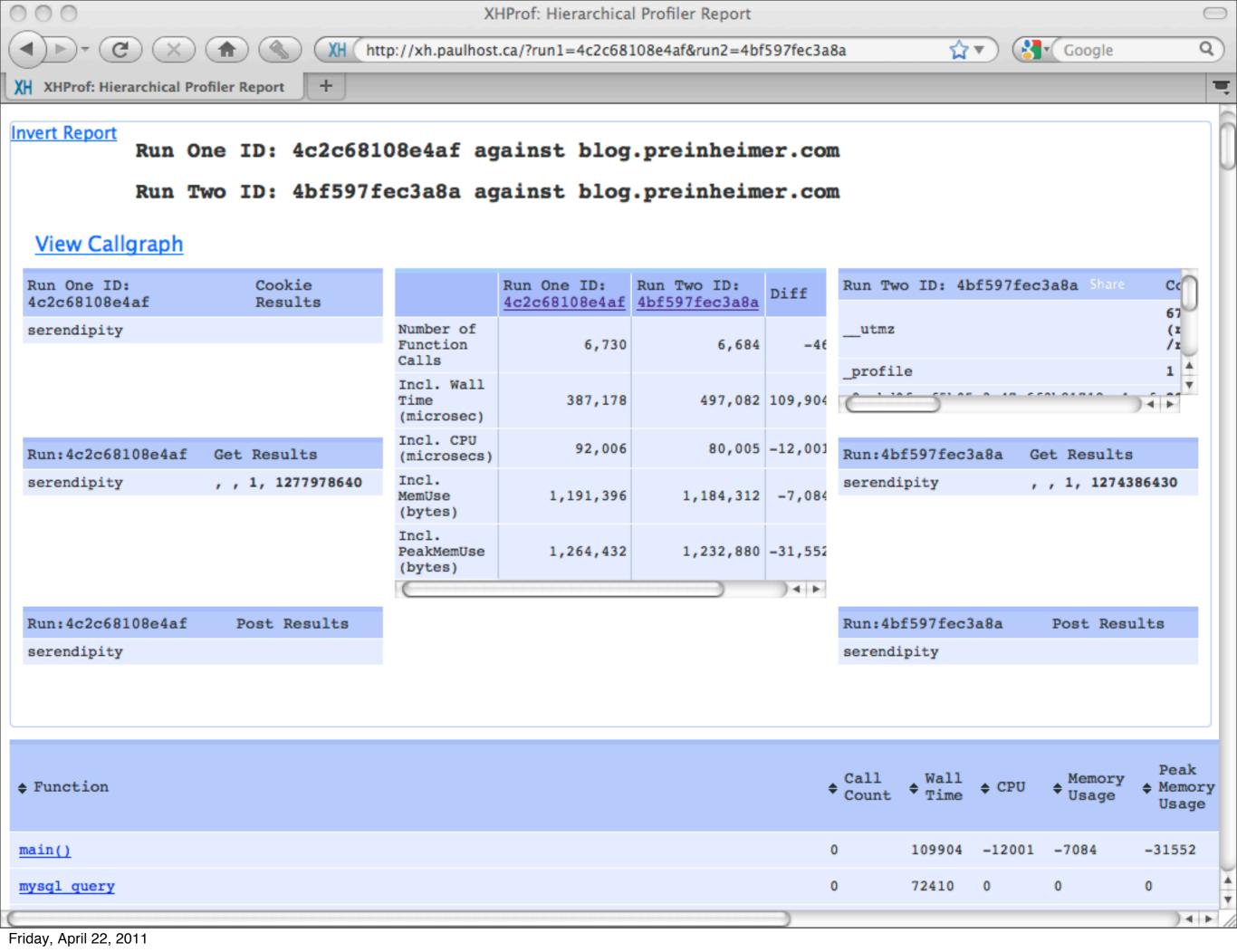
Cookie	Results
utmz	67726530.1272566240.115.6 (referral) utmcmd=r eferral/reducing_oracle_lob_memore
s9y_bd0facf5b05c3c47c6f3b81718eelacf	aef00bc01afe2127a7a11b5c
_profile	1
utma	67726530.8167879190084560
utmc	67726530
utmb	67726530.17.10.1273956654
serendipity	
)4+

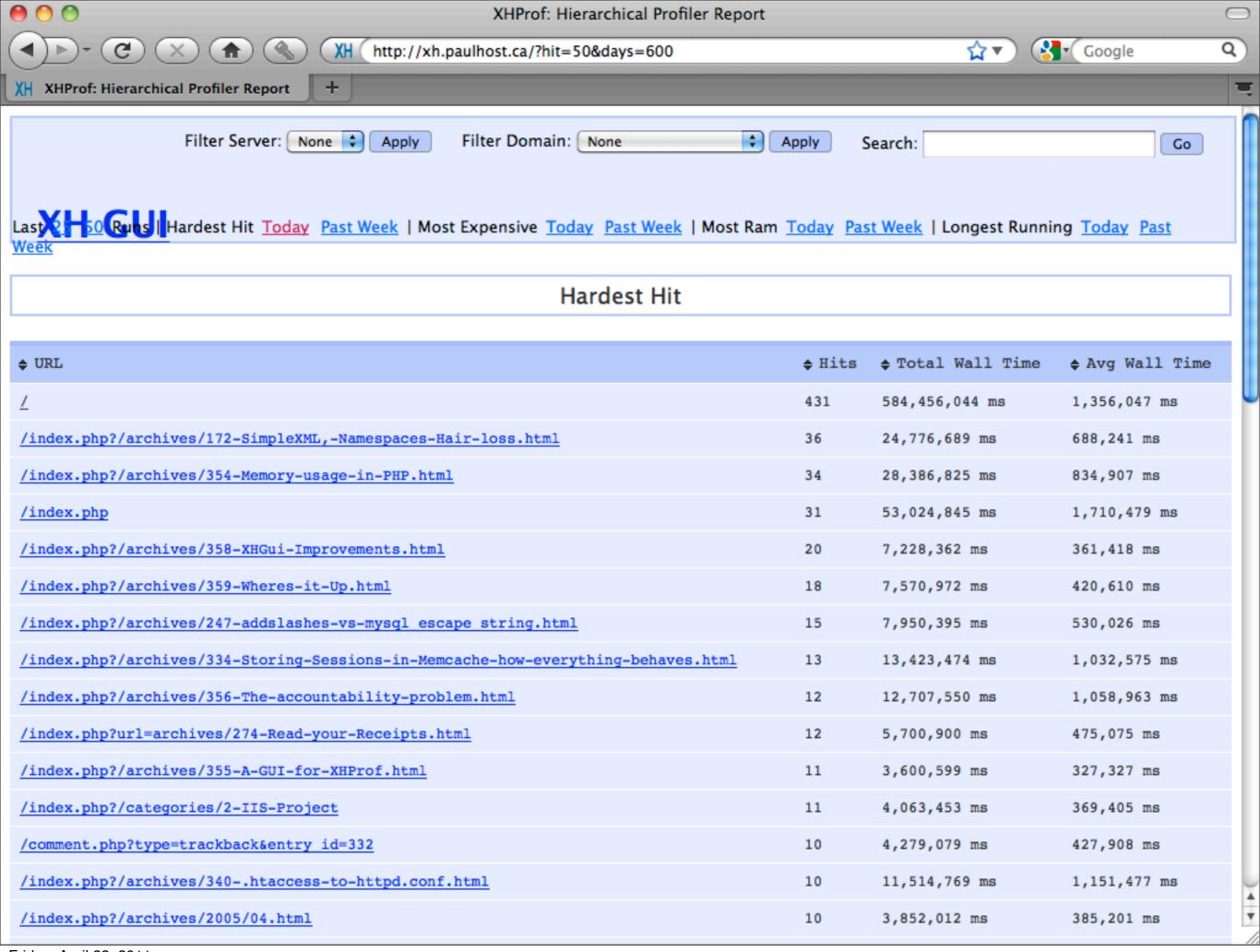
Get	Results	
serendipity	, , 1, 1273958545	

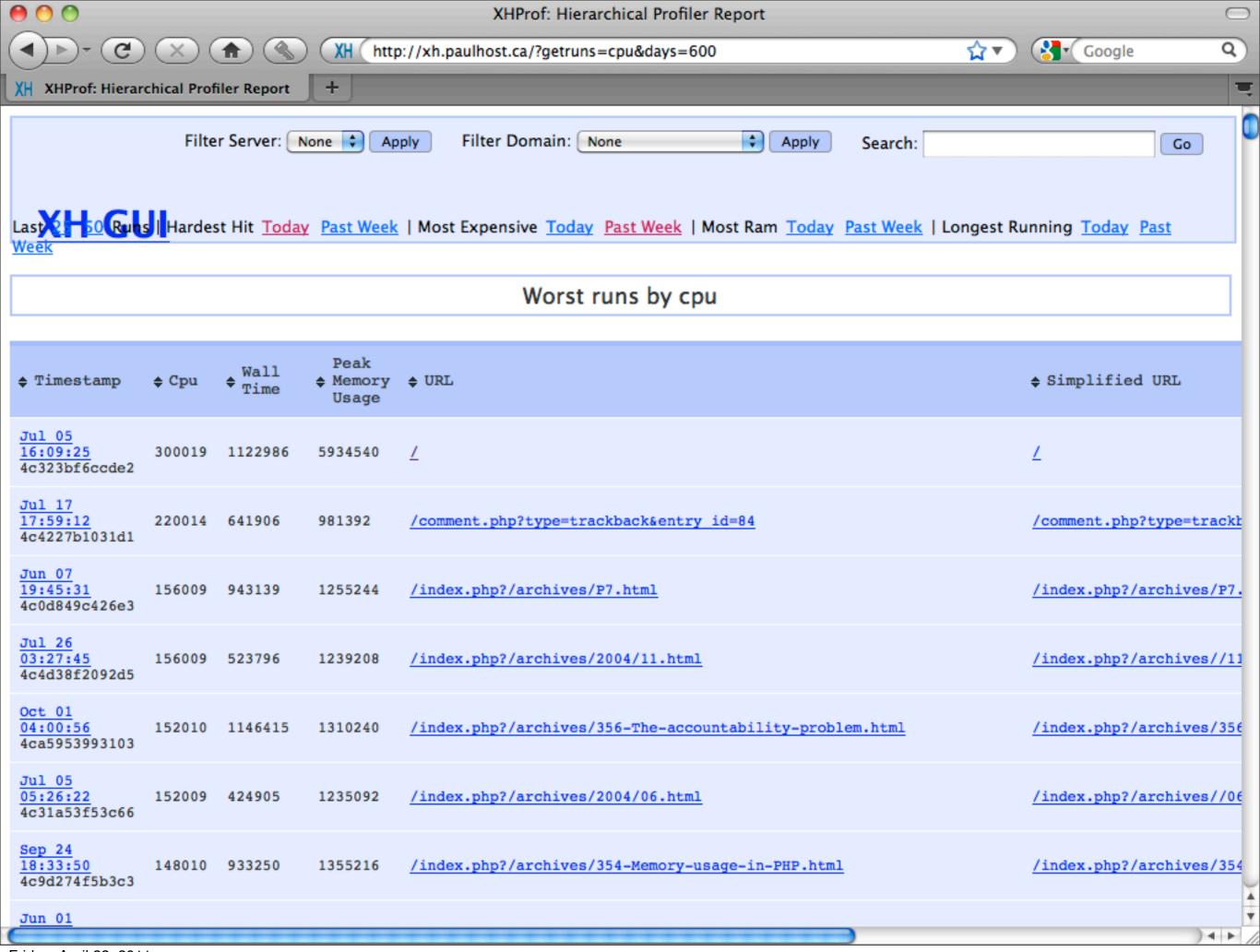
Post Results serendipity

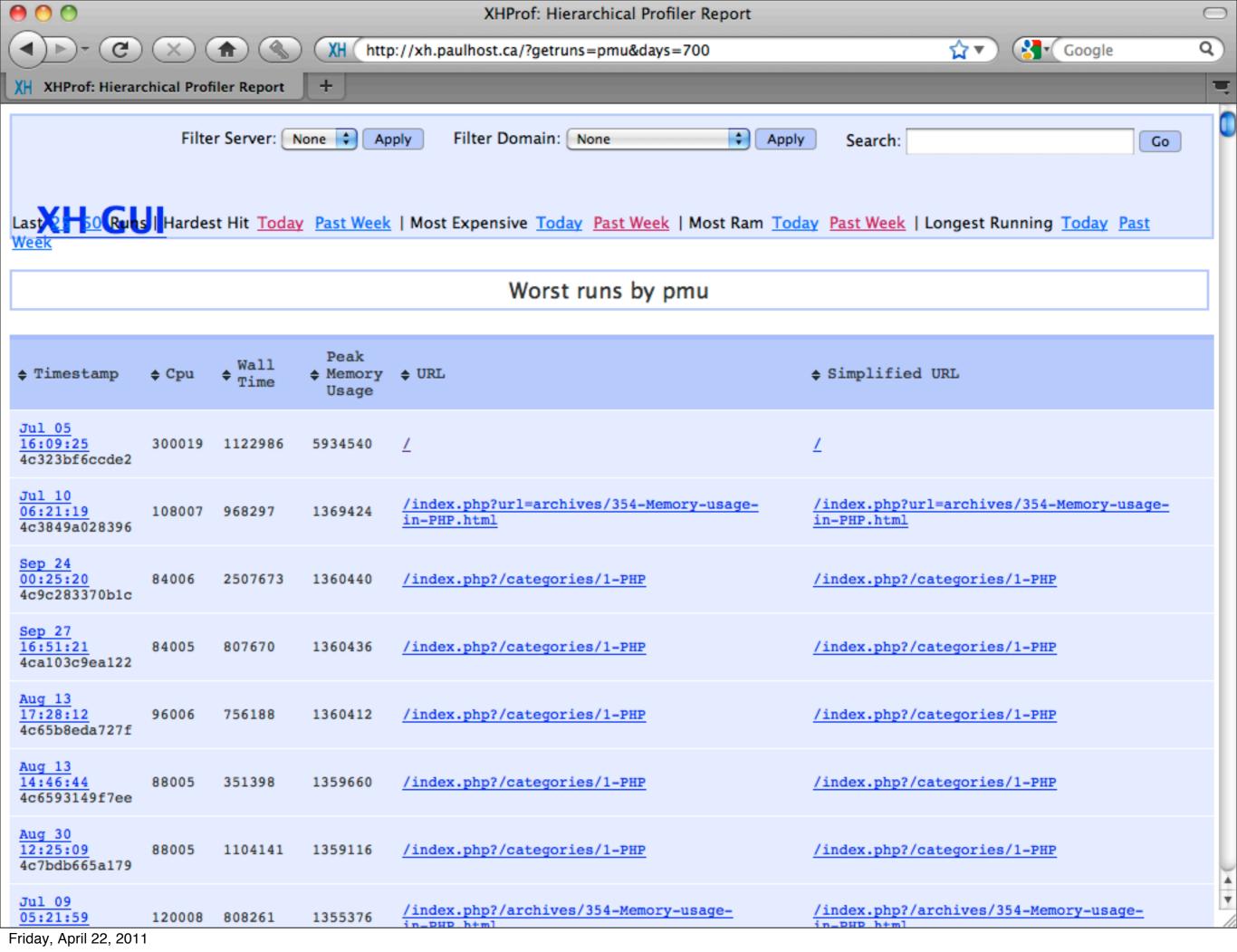
Expensive Calls by Exclusive Wall Time

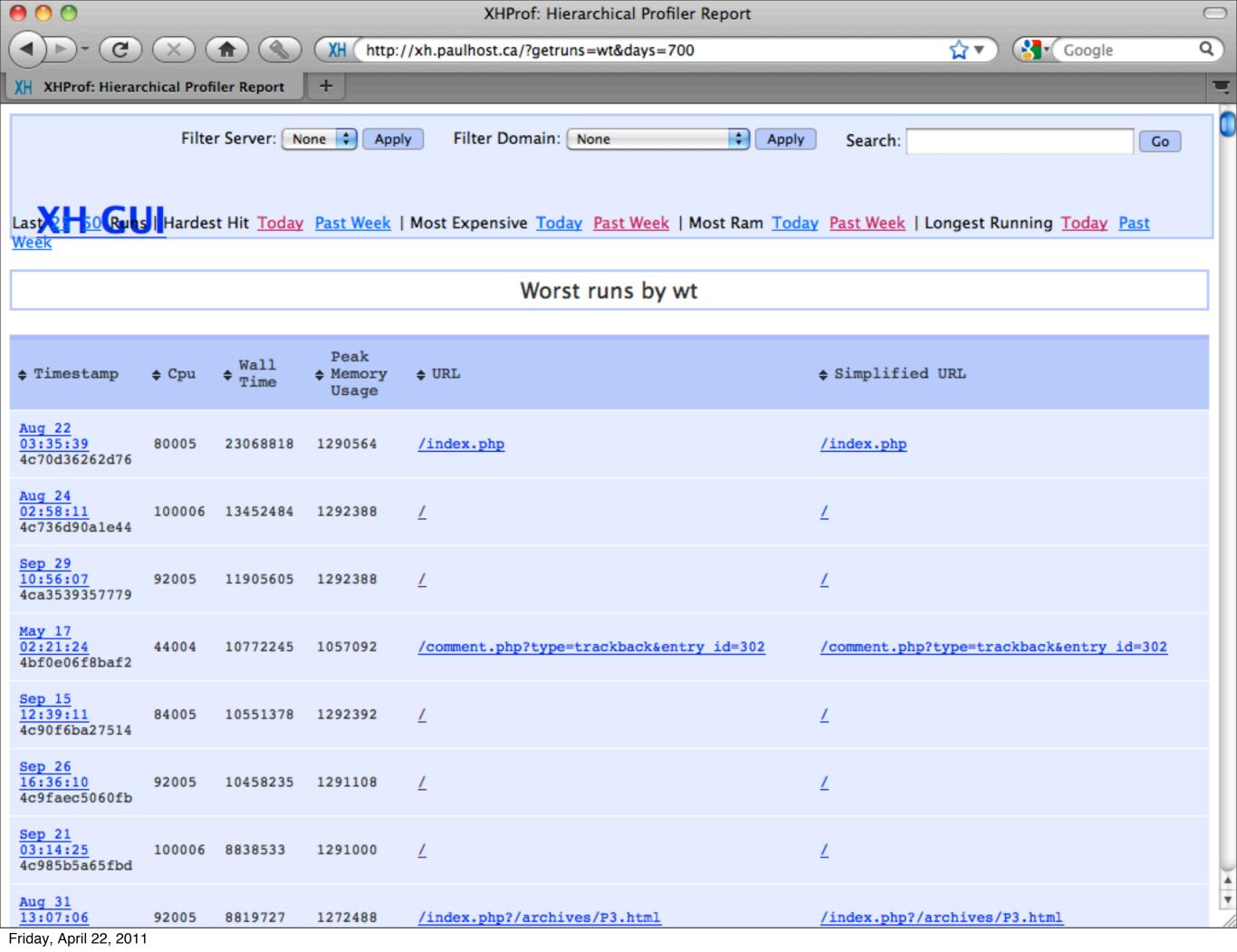


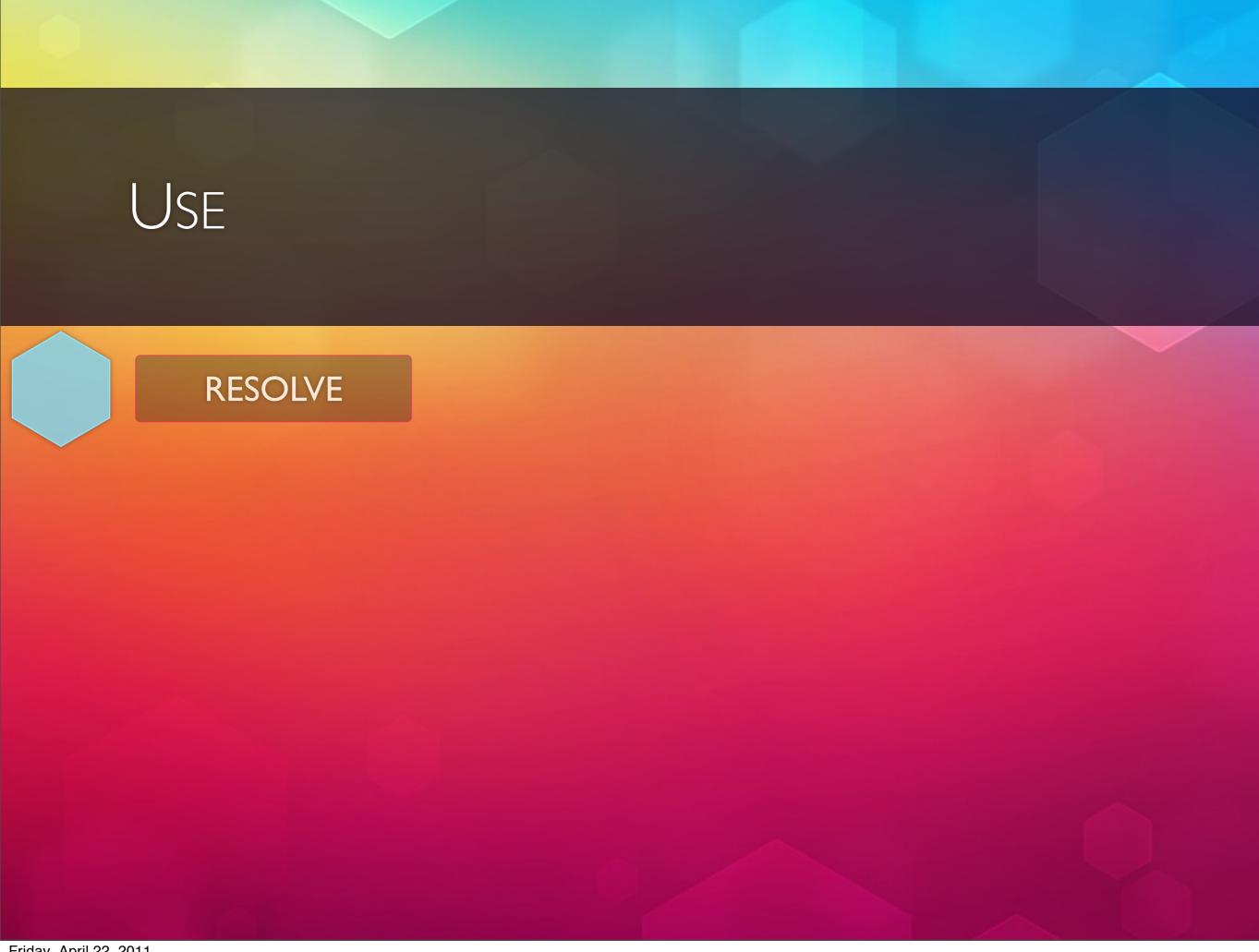












FAILURES

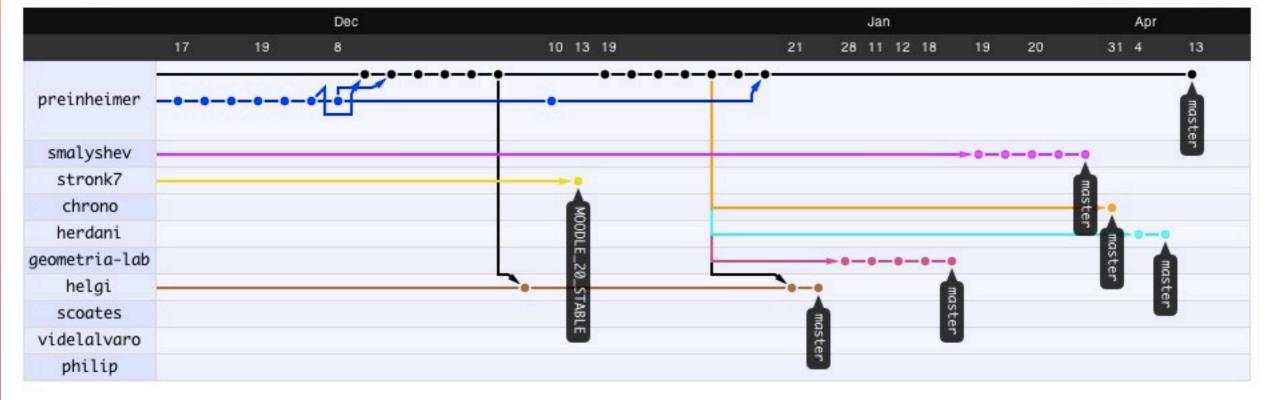
The xhprof network graph

Keyboard shortcuts available

All branches in the network using preinheimer/xhprof as the reference point. Read our blog post about how it works.

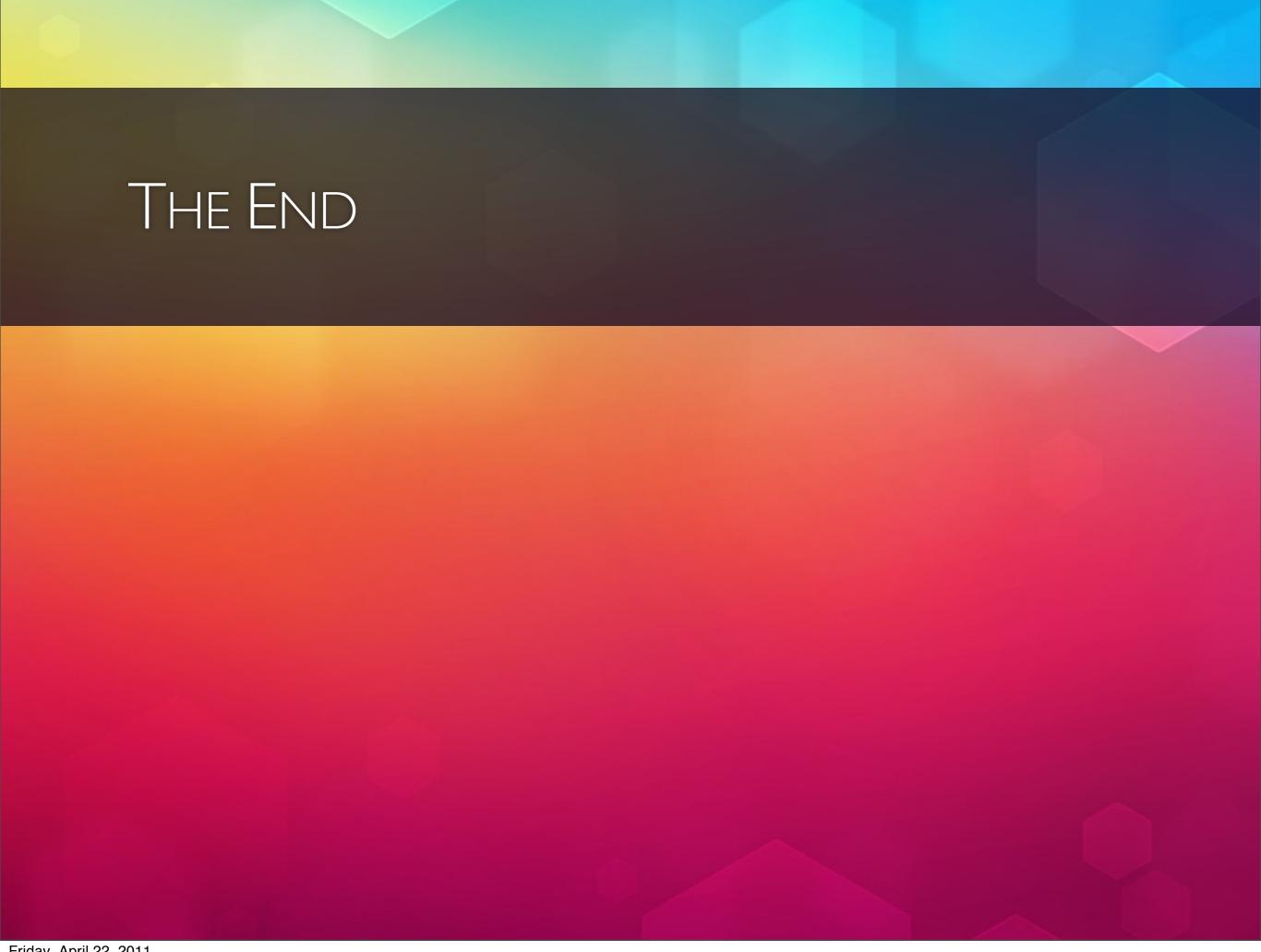
Show Help

Last updated: just now

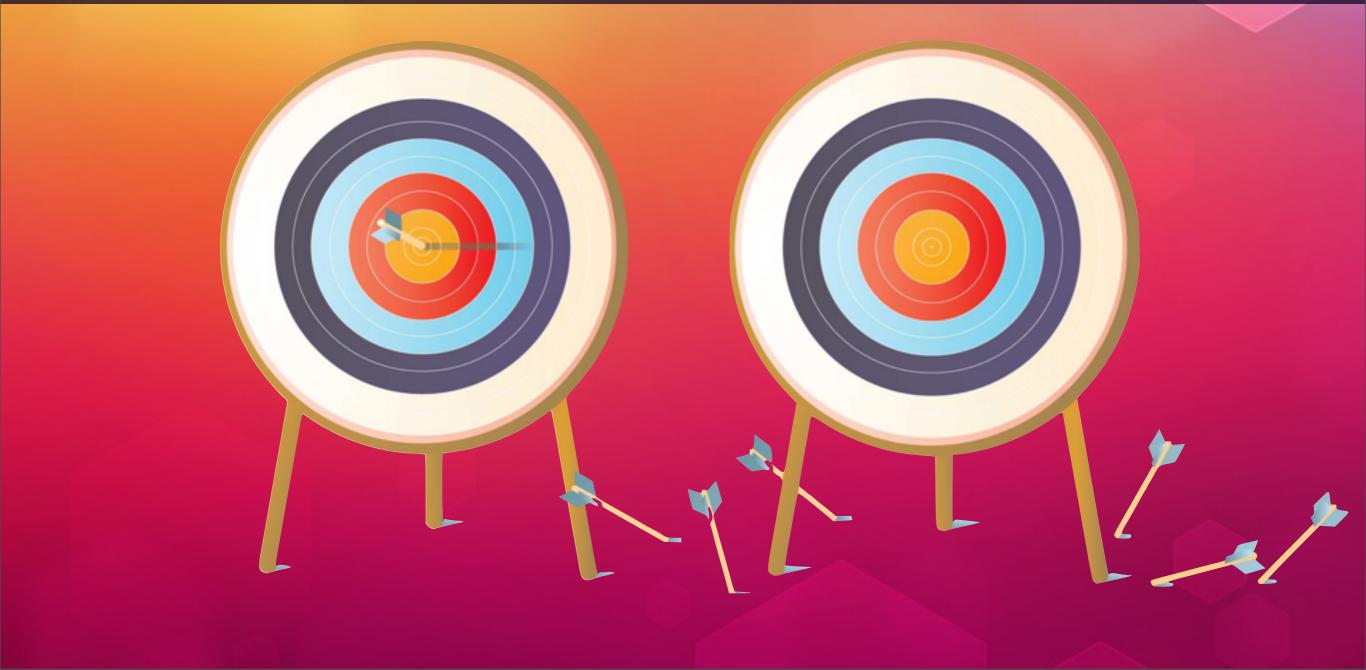


SUCCESS





THE END

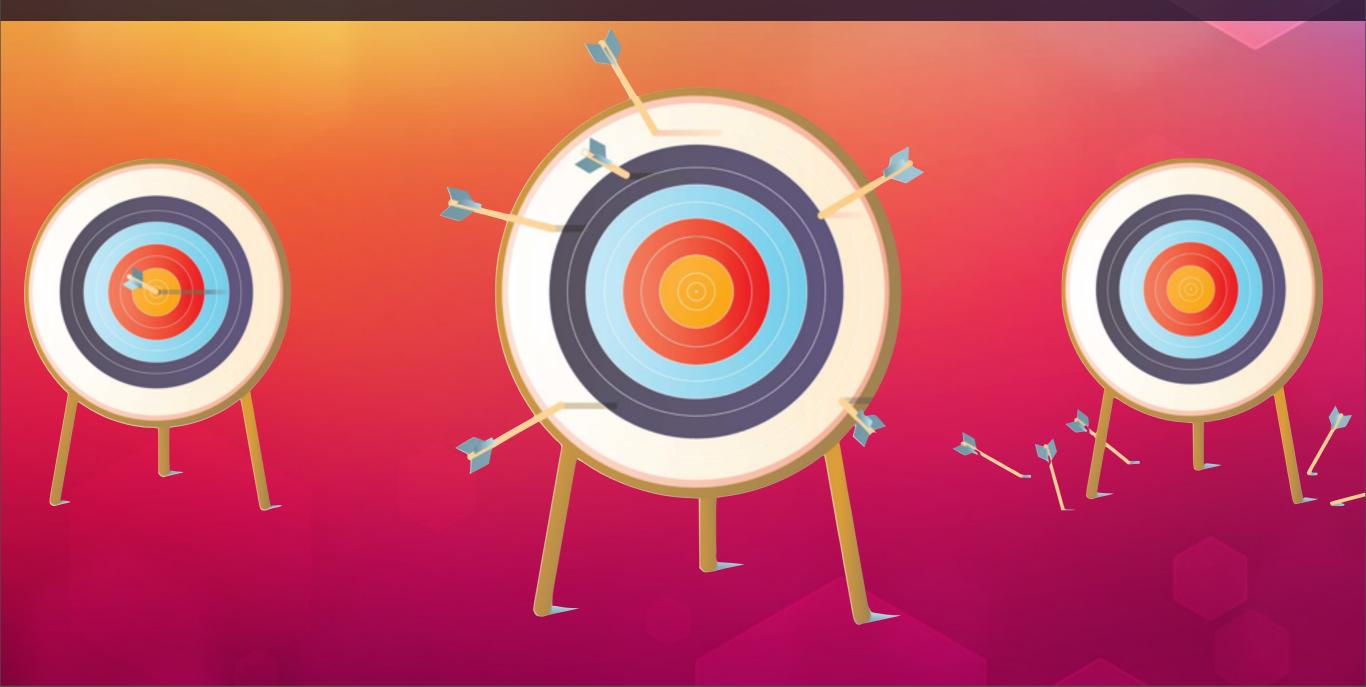


THE END





THE END



WILL ROBERTS - FOR BUILDING WONDERPROXY WITH ME

- WILL ROBERTS FOR BUILDING WONDERPROXY WITH ME
- Allison Moore For Helping me with this talk

- WILL ROBERTS FOR BUILDING WONDERPROXY WITH ME
- ALLISON MOORE FOR HELPING ME WITH THIS TALK
- PHP COMMUNITY CONFERENCE FOR ALLOWING METO GIVE IT

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YOU.

APPENDIX

- MORGAN TOCKER'S PERF TALK http://www.slideshare.net/morgo/ WHAT-EVERY-DEVELOPER-SHOULD-KNOW-ABOUT-PERFORMANCE
- FRANK CHIMERO, DIGITAL CAMPFIRE <u>HTTP://www.webstock.org.nz/</u>
 <u>TALKS/SPEAKERS/FRANK-CHIMERO/DIGITAL-CAMPFIRE/</u>
- WonderProxy's Blog: http://wonderproxyblog.com/
- JOIND.IN LINK http://joind.in/3346