

Shed Lights into Your Web Applications

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Motivations

- **Challenges: root cause analysis of web applications performance problems**

- Several components and layers are involved
 - Web server problem?
 - Code problem?
 - Bad database design? No table indexes?
 - System resource limitation?
- Various debugging tools
- Unified way to analyse them
 - Trace-based approach
 - LAMP stack
 - MEAN stack

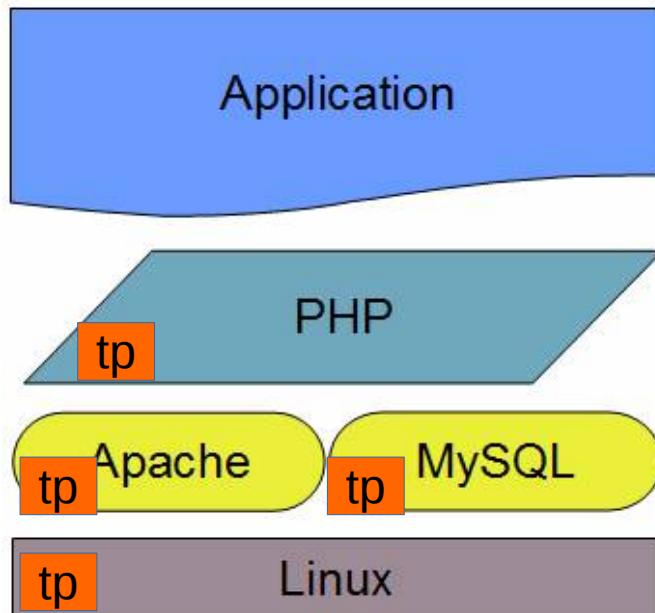
LAMP:



Userspace tracing

- You can trace your application

- tracepoints
 - LTTng-UST
 - FTrace



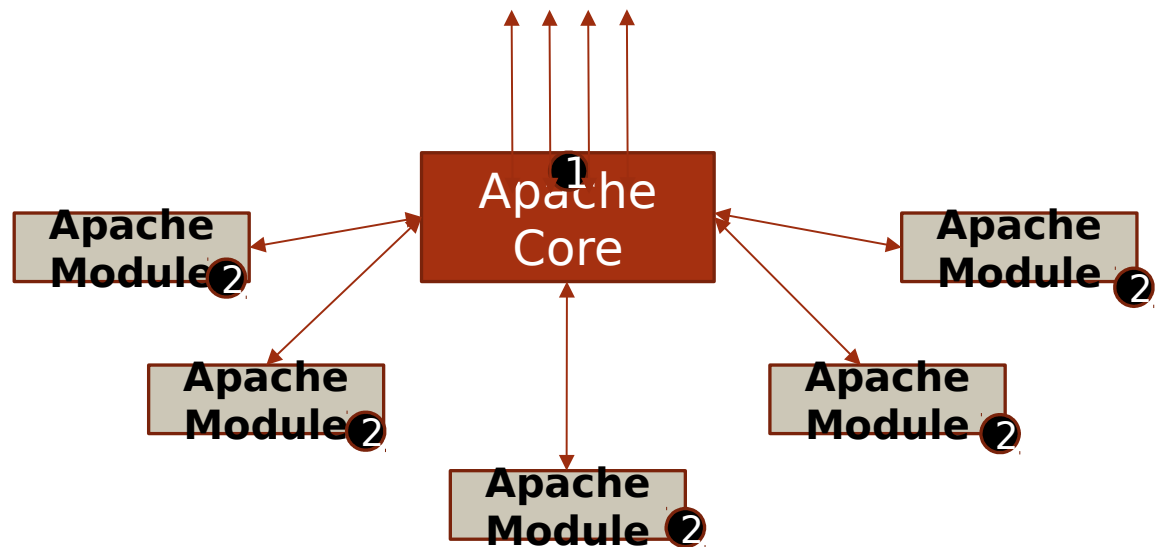
```
void function(void)
{
    int i = 0;
    long vals[3] = { 0x42, 0xCC, 0xC001CAFE };
    float flt = M_PI;

    [...]
    tracepoint(ust_tests_hello,
               tp_test,
               i,
               &vals,
               flt);
    [...]
}
```

1- Apache

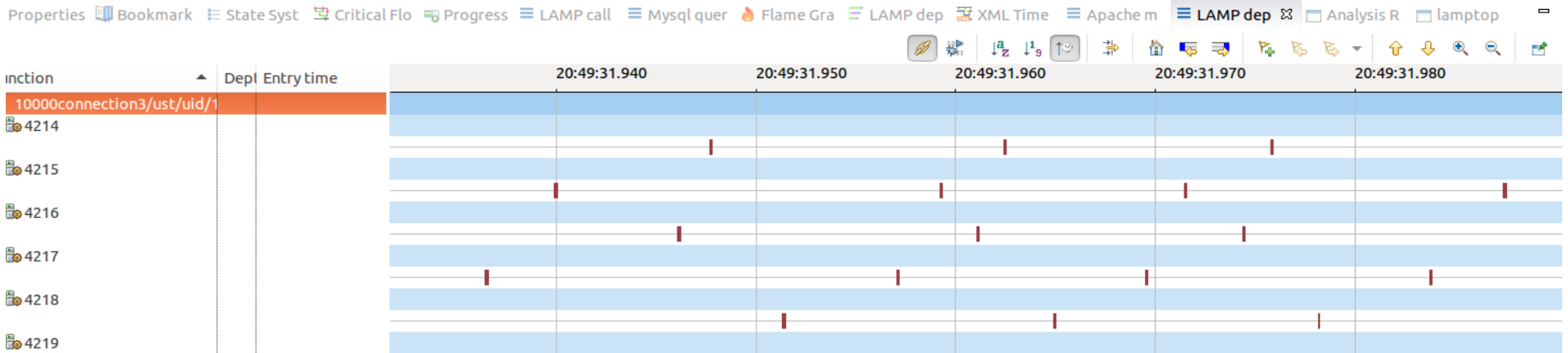
- **Apache LTTng module:**

- Hooks LTTng probes into the Apache web server.
- These probes extract runtime information about the web requests and the apache itself
 - Web requests
 - Apache internals



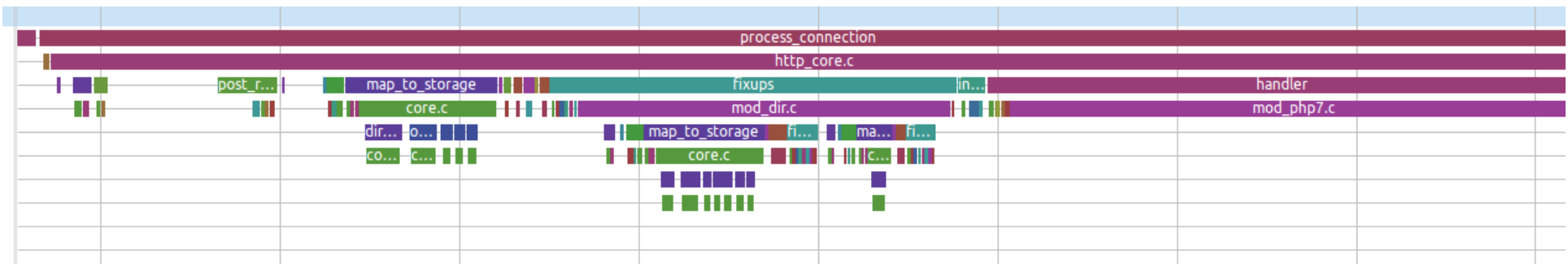
Web Requests Tracing

Timestamp	Channel	CPU	Event type	Contents
<srch>	<srch>	<srch>	<srch>	<srch>
20:49:53.786 561 345	ss_3	3	ust_apache:close_connection	connection_id=16, context._vtid=4236
20:49:53.786 584 375	ss_3	3	ust_apache:suspend_connection	connection_id=16, context._vtid=4236
20:49:53.786 592 518	ss_6	6	ust_apache:accept_connection	connection_id=20, client_ip=132.207.72.9, client_hostname=(null), local_ip=132.207.72.37, local_hostname=(null)
20:49:53.786 596 784	ss_3	3	ust_apache:accept_connection	connection_id=16, client_ip=132.207.72.9, client_hostname=(null), local_ip=132.207.72.37, local_hostname=(null)
20:49:53.786 630 594	ss_3	3	ust_apache:request_entry	connection_id=16, client_ip=132.207.72.9, method=GET, uri=/drupal, protocol=HTTP/1.0, request_info= request
20:49:53.786 640 316	ss_6	6	ust_apache:request_entry	connection_id=20, client_ip=132.207.72.9, method=GET, uri=/drupal, protocol=HTTP/1.0, request_info= request
20:49:53.786 724 371	ss_3	3	ust_apache:request_exit	connection_id=16, status=301, context._vtid=4236
20:49:53.786 749 922	ss_6	6	ust_apache:request_exit	connection_id=20, status=301, context._vtid=4244
20:49:53.786 751 414	ss_3	3	ust_apache:close_connection	connection_id=16, context._vtid=4236
20:49:53.786 763 635	ss_3	3	ust_apache:suspend_connection	connection_id=16, context._vtid=4236
20:49:53.786 777 199	ss_3	3	ust_apache:accept_connection	connection_id=16, client_ip=132.207.72.9, client_hostname=(null), local_ip=132.207.72.37, local_hostname=(null)
20:49:53.786 781 806	ss_6	6	ust_apache:close_connection	connection_id=20, context._vtid=4244
20:49:53.786 798 980	ss_6	6	ust_apache:suspend_connection	connection_id=20, context._vtid=4244
20:49:53.786 809 775	ss_3	3	ust_apache:request_entry	connection_id=16, client_ip=132.207.72.9, method=GET, uri=/drupal, protocol=HTTP/1.0, request_info= request
20:49:53.786 907 271	ss_3	3	ust_apache:request_exit	connection_id=16, status=301, context._vtid=4236
20:49:53.786 933 238	ss_3	3	ust_apache:close_connection	connection_id=16, context._vtid=4236
20:49:53.786 947 884	ss_3	3	ust_apache:suspend_connection	connection_id=16, context._vtid=4236
20:49:53.789 370 776	ss_3	3	ust_apache:accept_connection	connection_id=4, client_ip=132.207.72.9, client_hostname=(null), local_ip=132.207.72.37, local_hostname=(null)
20:49:53.789 408 718	ss_3	3	ust_apache:request_entry	connection_id=4, client_ip=132.207.72.9, method=GET, uri=/drupal, protocol=HTTP/1.0, request_info= request
20:49:53.789 502 508	ss_3	3	ust_apache:request_exit	connection_id=4, status=301, context._vtid=4218
20:49:53.789 528 073	ss_3	3	ust_apache:close_connection	connection_id=4, context._vtid=4218



Apache Modules Tracing

Timestamp	Channel	CPU	Event type	Contents
<srch>	<srch>	<srch>	ust_apache:apache_module	<srch>
11:12:07.494 274 785	channel0_3	3	ust_php:request_exit	path=/usr/local/apache2/htdocs/drupal/index.php, uri=/drupal/index.php, m...
11:12:07.494 278 193	channel0_3	3	ust_apache:apache_module_complete	name=handler, src=mod_php7.c, result=0
11:12:07.494 278 607	channel0_3	3	ust_apache:apache_module_exit	name=handler, result=0
11:12:07.494 285 929	channel0_3	3	ust_apache:apache_module_complete	name=process_connection, src=http_core.c, result=0
11:12:07.494 286 217	channel0_3	3	ust_apache:apache_module_exit	name=process_connection, result=0
11:12:07.494 287 452	channel0_3	3	ust_apache:apache_module_entry	name=protocol_get
11:12:07.494 287 781	channel0_3	3	ust_apache:apache_module_exit	name=protocol_get, result=0
11:12:07.494 291 250	channel0_3	3	ust_apache:apache_module_entry	name=protocol_get
11:12:07.494 291 447	channel0_3	3	ust_apache:apache_module_exit	name=protocol_get, result=0
11:12:07.494 291 727	channel0_3	3	ust_apache:apache_module_entry	name=log_transaction
11:12:07.494 292 316	channel0_3	3	ust_apache:request_exit	id=0, status=200
11:12:07.494 292 703	channel0_3	3	ust_apache:apache_module_invoke	name=log_transaction, src=mod_log_config.c
11:12:07.494 312 568	channel0_3	3	ust_apache:apache_module_complete	name=log_transaction, src=mod_log_config.c, result=0
11:12:07.494 312 929	channel0_3	3	ust_apache:apache_module_exit	name=log_transaction, result=0
11:12:07.494 320 420	channel0_3	3	ust_apache:apache_module_entry	name=suspend_connection
11:12:07.494 320 695	channel0_3	3	ust_apache:apache_module_exit	name=suspend_connection, result=0
11:12:07.496 537 029	channel0_3	3	ust_apache:apache_module_entry	name=resume_connection
11:12:07.496 537 342	channel0_3	3	ust_apache:apache_module_exit	name=resume_connection, result=0
11:12:07.496 537 627	channel0_3	3	ust_apache:apache_module_entry	name=process_connection
11:12:07.496 538 076	channel0_3	3	ust_apache:apache_module_invoke	name=process_connection, src=mod_reqtimeout.c
11:12:07.496 538 598	channel0_3	3	ust_apache:apache_module_complete	name=process_connection, src=mod_reqtimeout.c, result=-1
11:12:07.496 538 849	channel0_3	3	ust_apache:apache_module_invoke	name=process_connection, src=http_core.c
11:12:07.496 539 461	channel0_3	3	ust_apache:apache_module_entry	name=protocol_get
11:12:07.496 539 721	channel0_3	3	ust_apache:apache_module_exit	name=protocol_get, result=0
11:12:07.496 541 165	channel0_3	3	ust_apache:apache_module_entry	name=create_request
11:12:07.496 541 497	channel0_3	3	ust_apache:apache_module_invoke	name=create_request, src=core.c
11:12:07.496 541 942	channel0_3	3	ust_apache:apache_module_complete	name=create_request, src=core.c, result=0



2- PHP

- **LTTng probes in PHP**
 - **Provide detailed information about the PHP requests**
- **Monitor the entire PHP script execution:**
 - **13 tracepoints**
 - **Start/close a request**
 - **Function calls**
 - **Line executions**
 - **db connections**
 - **errors/exceptions**
 - **New PHP function: trace_print**
 - **arguments**
 - **request info, function name, file name, class name, line number, etc.**
- **Trace Compass views:**
 - **CallStack, Flame Graph, Request lists/response time distribution**

Tracepoints

Event	Description
request_entry	Fires when a request starts.
request_exit	Fires when a request exits.
compile_file_entry	Fires when a file compilation starts.
compile_file_exit	Fires when a file compilation ends.
function_entry	Fires when the PHP engine calls a function/method.
function_exit	Fires when the PHP engine returns from a function/method.
execute_entry	Fires when a line code is to be executed.
execute_exit	Fires after execution of a line code.
php_error_entry	Fires just before logging a PHP error
php_error_exit	Fires just after logging a PHP error
php_exception_thrown_entry	Fires just before logging a thrown PHP exception
php_exception_thrown_exit	Fires just after logging a thrown PHP exception
trace_print	A PHP function that you can call from your script to output a string in the trace

LTTng PHP extension

Installation

You can build and install the LTTng extension from source which is straightforward:

```
git clone https://github.com/naser/LTTng-php-tracing-module.git
cd LTTng-php-tracing-module
phpize

/* Before configuration, make sure you have LTTng 2.X installed in your machine. For installation manual

./configure
make
sudo make install
```

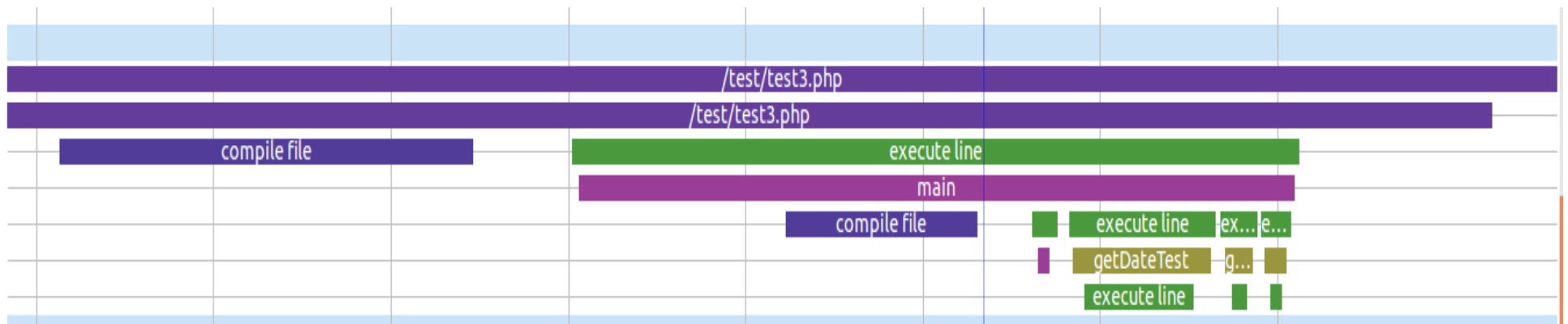
Example

```
1 Hello
2 <p>Welcome!</p>
3 Today's date is:
4
5 <?php
6 require_once('include.php');
7 getDateTest();
8 getDateTest();
9 getDateTest();
10
11 ?>
```

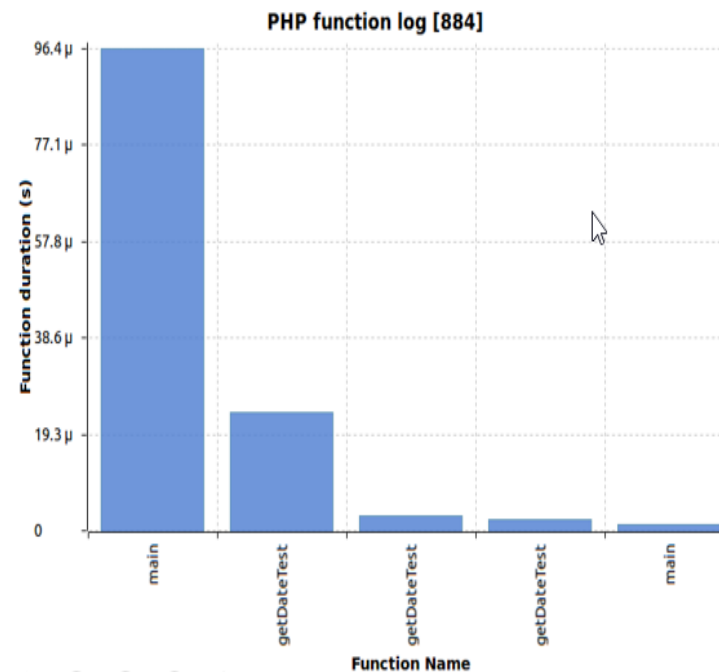
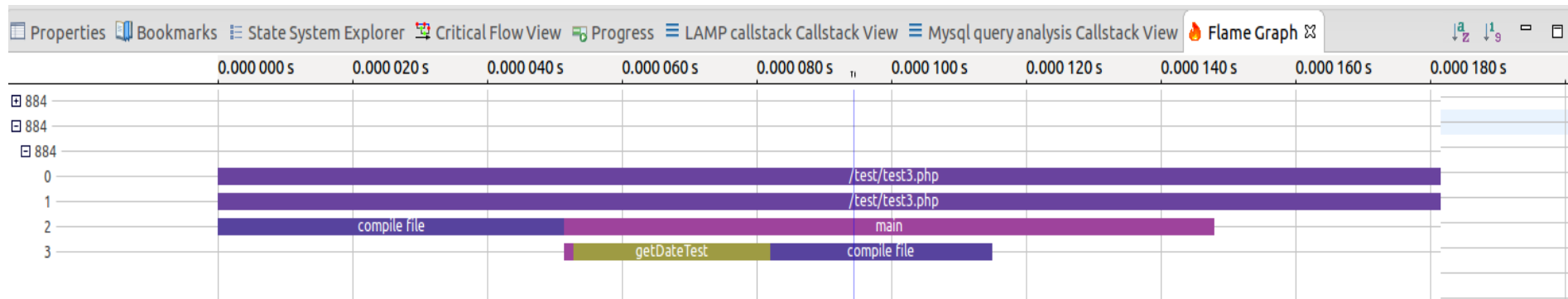
/usr/local/apache2/htdocs/test/test3.php [FORMA

```
1 <?php
2
3 function getDateTest(){
4     echo date('m/d/Y') . '.1';
5 }
6
7 ?>
```

/usr/local/apache2/htdocs/test/include.php [FOR



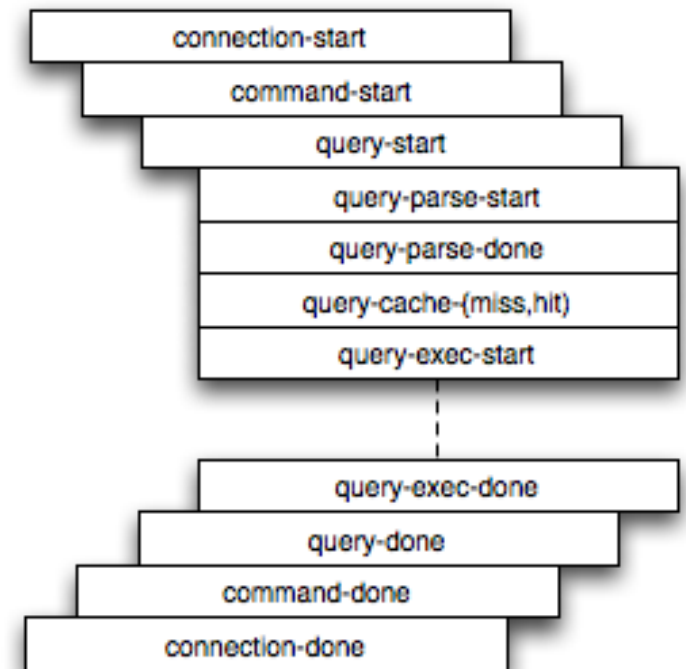
Example (cntd)



3- MySQL/MariaDB

• LTTng probes in MySQL/MariaDB

- Provide information about query executions
- 60 tracepoints in 200 different locations
 - We hook to the existing probes.
- Monitor the full query execution process
 - DB connections
 - Query execution
 - Query type (select, update, insert, etc.)
 - Query parsing
 - Row-level operations in storage engines
 - Table R/W locks
 - File sorts
 - Cache miss, hit
 - Network I/O
 - More information in the arguments
 - Connection ID, DB name, user, host, etc



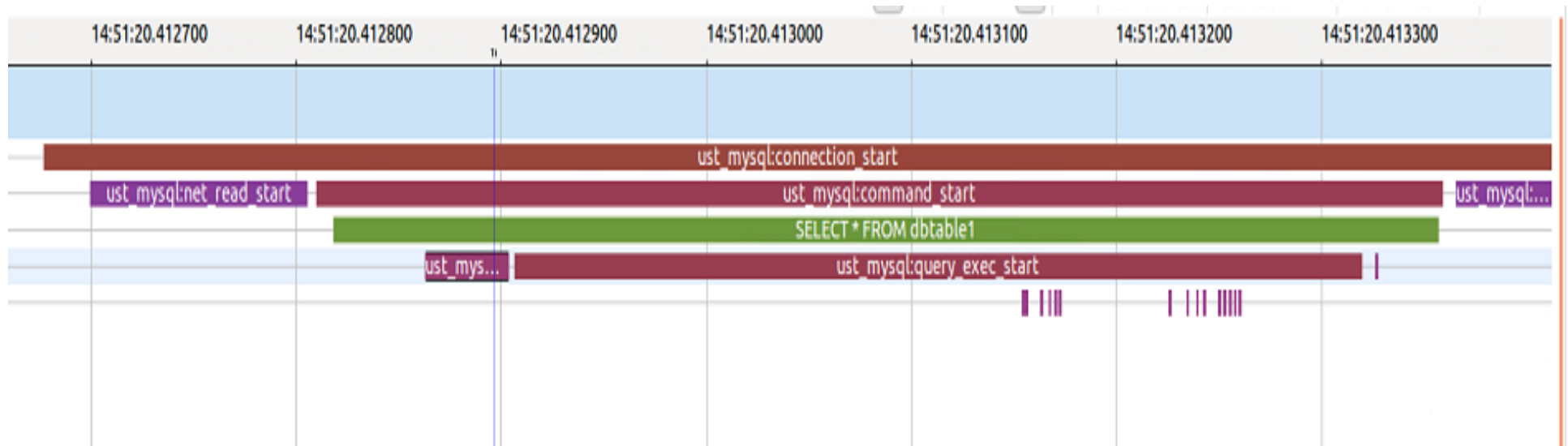
Installation

```
./configure --enable-lttnng  
cmake .  
make  
sudo make install
```

```
/home/naserez $> lttnng list -u | grep "mysql:"  
ust_mysql:net_write_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:net_write_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:net_read_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:net_read_miss (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:net_read_hit (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:net_read_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:multi_delete_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:multi_delete_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:delete_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:delete_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:multi_update_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:multi_update_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:update_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:update_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:insert_select_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:insert_select_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:insert_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:insert_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:select_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:select_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:filesort_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:filesort_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:handler_unlock_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:handler_unlock_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:handler_wrlck_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:handler_wrlck_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:handler_rdlck_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:handler_rdlck_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:index_read_row_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:index_read_row_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:read_row_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:read_row_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:delete_row_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:delete_row_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:update_row_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:update_row_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:insert_row_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:insert_row_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:query_exec_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:query_exec_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:query_cache_miss (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:query_cache_hit (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:query_parse_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:query_parse_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:query_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:query_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:command_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:command_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:connection_done (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)  
ust_mysql:connection_start (loglevel: TRACE DEBUG LINE (13)) (type: tracepoint)
```

Example

Select * from dbtable1;



Example 2

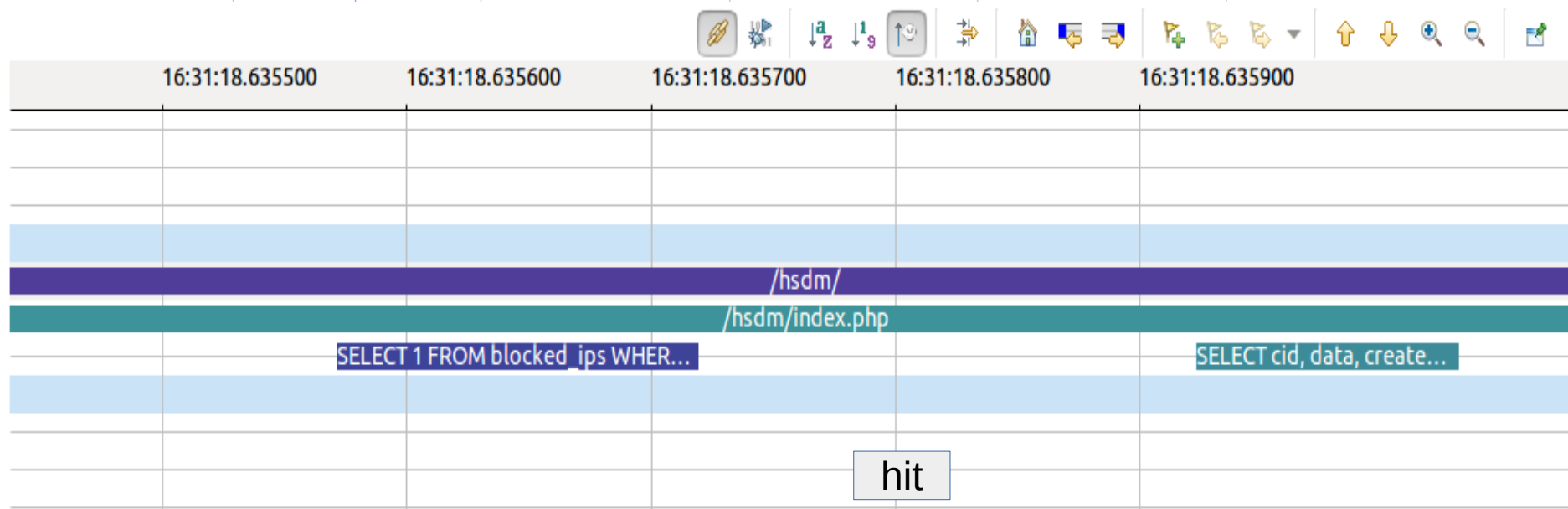
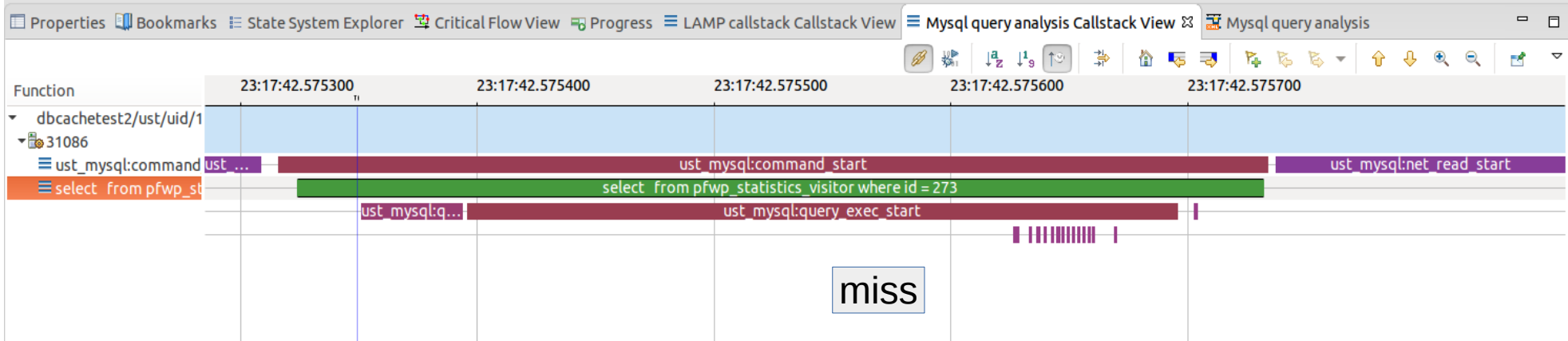
```
select * from pfwp_statistics_visitor where id = 273;  
(no_cache) T: 407,792 ns
```

```
set global query_cache_size=2 * 1024 * 1024;
```

```
select * from pfwp_statistics_visitor where id = 273;  
(cache_miss) T: 408,858 ns
```

```
select * from pfwp_statistics_visitor where id = 273;  
(cache_hit) T: 42,708 ns 
```

dbcachetest2/ust/uid/1000/64-bit				
Timestamp	Channel	CPU	Event type	Contents
<srch>	<srch>	<srch>	<srch>	<srch>
23:17:39.369 848 397	ss_2	2	ust_mysql:command_done	result=0, thread_id=17787, context._vtid=31086
23:17:39.369 856 327	ss_2	2	ust_mysql:net_read_start	context._vtid=31086
23:17:42.575 308 310	ss_0	0	ust_mysql:net_read_done	result=0, len=53, context._vtid=31086
23:17:42.575 315 827	ss_0	0	ust_mysql:command_start	thread_id=17787, command=3, priv_user=root, host_or_ip=localhost, context._vtid=31086
23:17:42.575 324 029	ss_0	0	ust_mysql:query_start	query=select * from pfw_statistics_visitor where id = 273, thread_id=17787, db=my_wiki, priv_user=root
23:17:42.575 349 057	ss_0	0	ust_mysql:query_cache_miss	query=select * from pfw_statistics_visitor where id = 273, context._vtid=31086
23:17:42.575 351 159	ss_0	0	ust_mysql:query_parse_start	query=select * from pfw_statistics_visitor where id = 273, context._vtid=31086
23:17:42.575 393 433	ss_0	0	ust_mysql:query_parse_done	result=0, context._vtid=31086
23:17:42.575 395 746	ss_0	0	ust_mysql:query_exec_start	query=select * from pfw_statistics_visitor where id = 273, thread_id=17787, db=my_wiki, priv_user=root
23:17:42.575 433 718	ss_0	0	ust_mysql:handler_rlock_start	db=my_wiki, table_name=pfw_statistics_visitor, context._vtid=31086



1

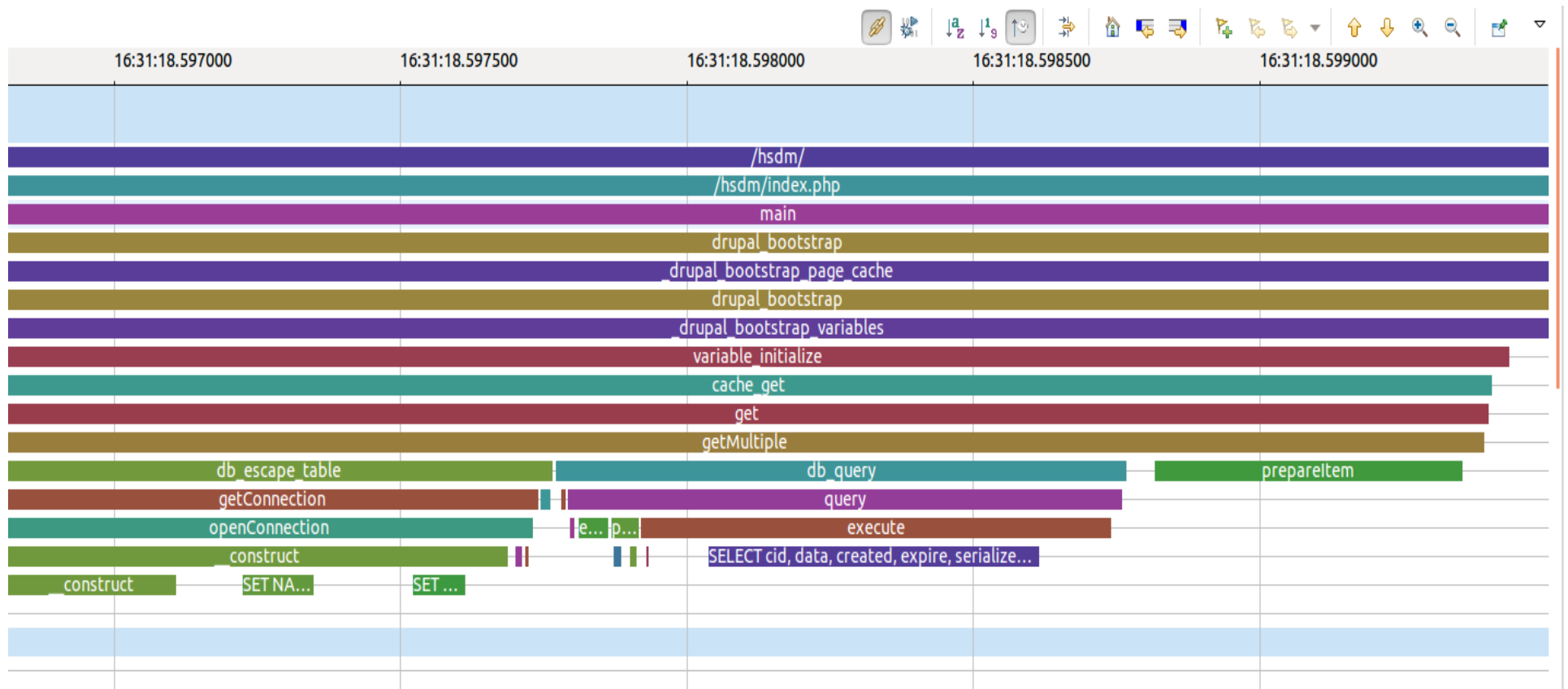
2

16

4- LAMP stack analysis

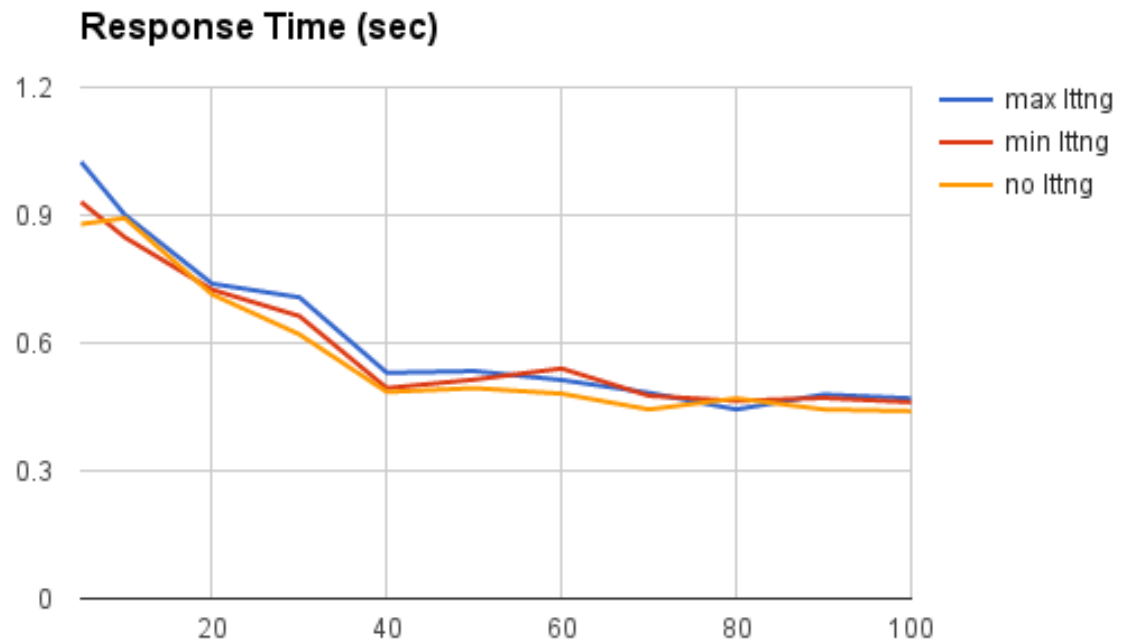
16:31:18.635500	16:31:18.635600	16:31:18.635700	16:31:18.635800	16:31:18.635900
			/hsgm/	
			/hsgm/index.php	
	SELECT 1 FROM blocked_ips WHER...			SELECT cid, data, create...

Flame chart



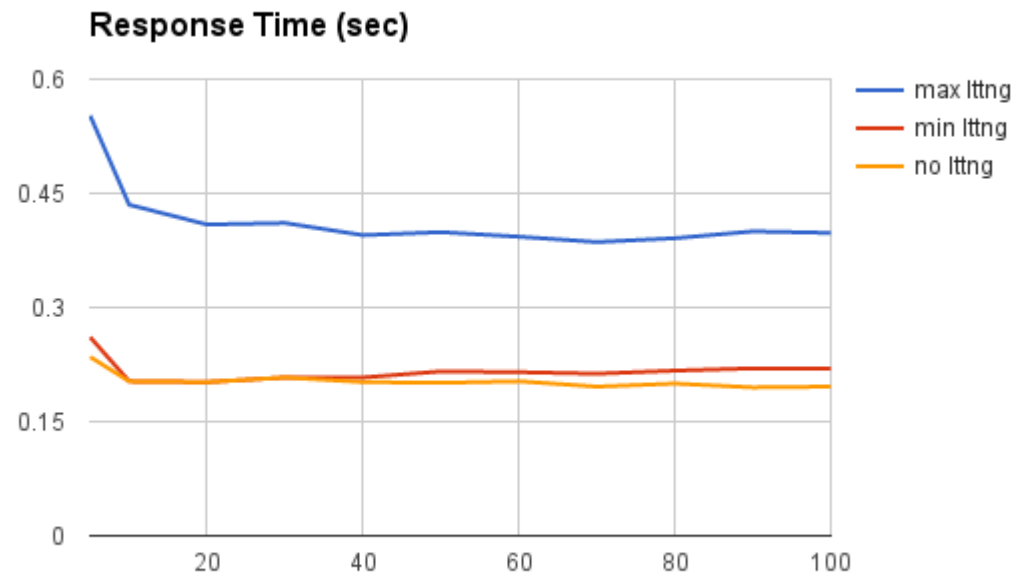
Performance

- `ab -c [5-100] -n 5000` <http://132.207.72.37/drupal>
- 28000 lines of code



Performance (the worst case)

- `ab -c [5-100] -n 1000 http://32.207.72.37/test/bench.php`
- 65,000,000 lines of code



Usecase: PHP Compile problem

- **Multilevel lamp stack view**
 - PHP compile problem
- **Apache modules**
- **PHP compile time**
- **Mysql overhead view**
- **VM ovearhead view**

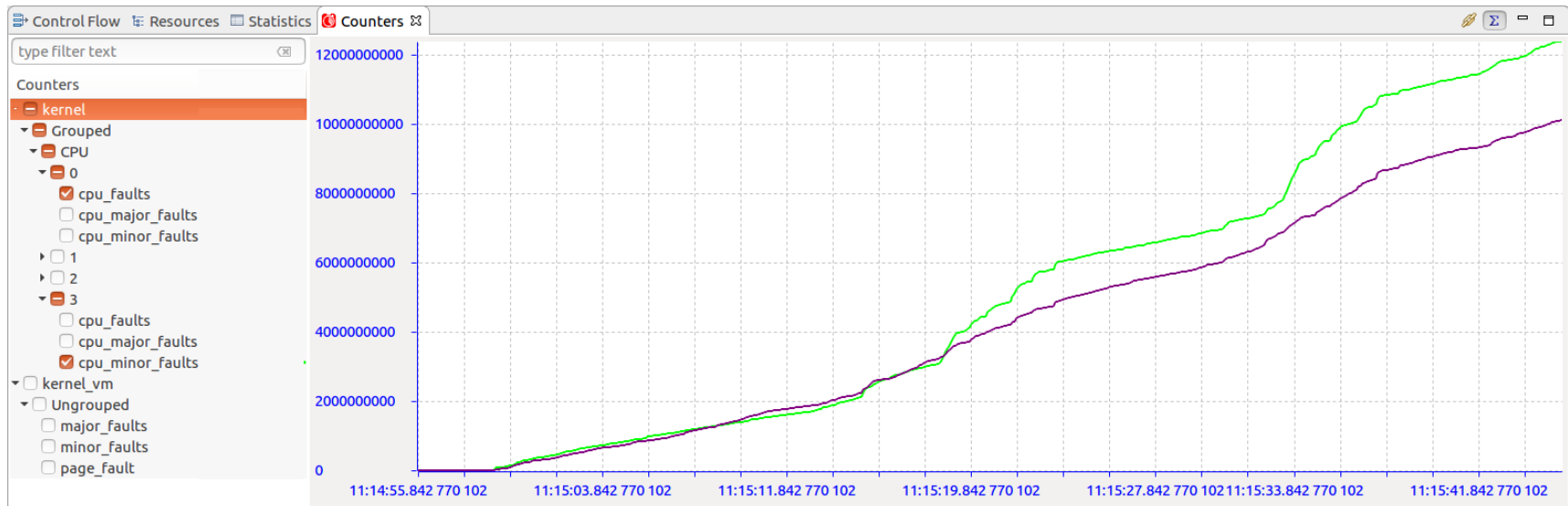
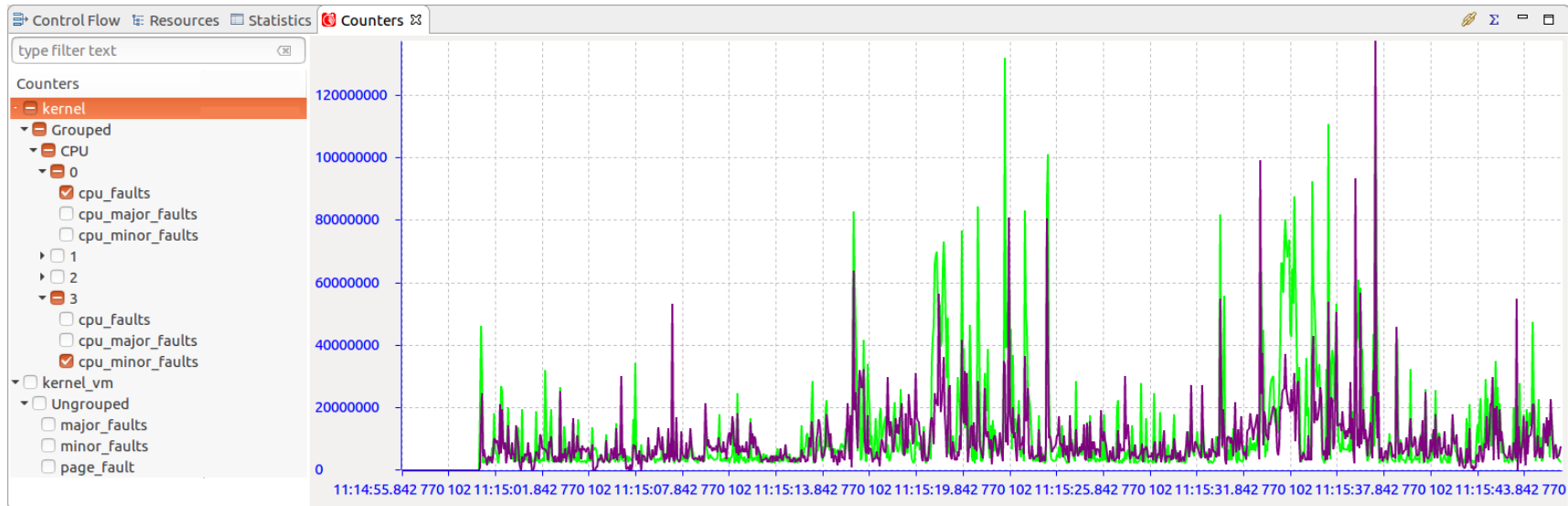
Trace Compass Updates

- **Incubator**
- **Multilevel Flame charts**
- **Multilevel Flame graphs**
- **VM overhead view**
- **Critical path using Perf events.**
- **Counters Analysis**

Trace Compass Incubator

- **The features that are under development, but still usable enough to be used and tested by users.**
- **Whose content relates to a specific trace type or domain of analysis (for example virtual machine analyses) and that no other plugin will depend on.**
- **The features will never be officially released with a specific version**
- **Some feature may eventually graduate to the Trace Compass project itself if required**
 - https://wiki.eclipse.org/Trace_Compass/Contributor_Guidelines

Trace Compass Counters Analysis

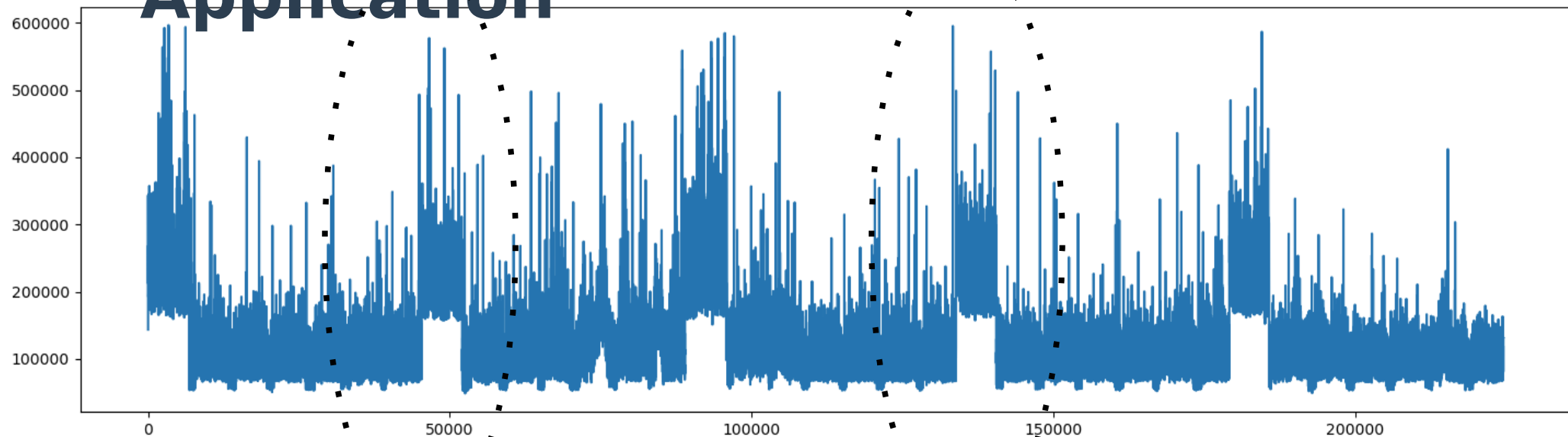


Use-case:

PHP OPCACHE

Performance Analysis

Response Time of a Web Application



What happens?

PHP Request Anatomy

- **PHP Is a scripting language**

- compiles any file you ask it to run, obtain OPCODEs from compilation, run them, and trash them away immediately.

- **Parse, compile, execute, forget**

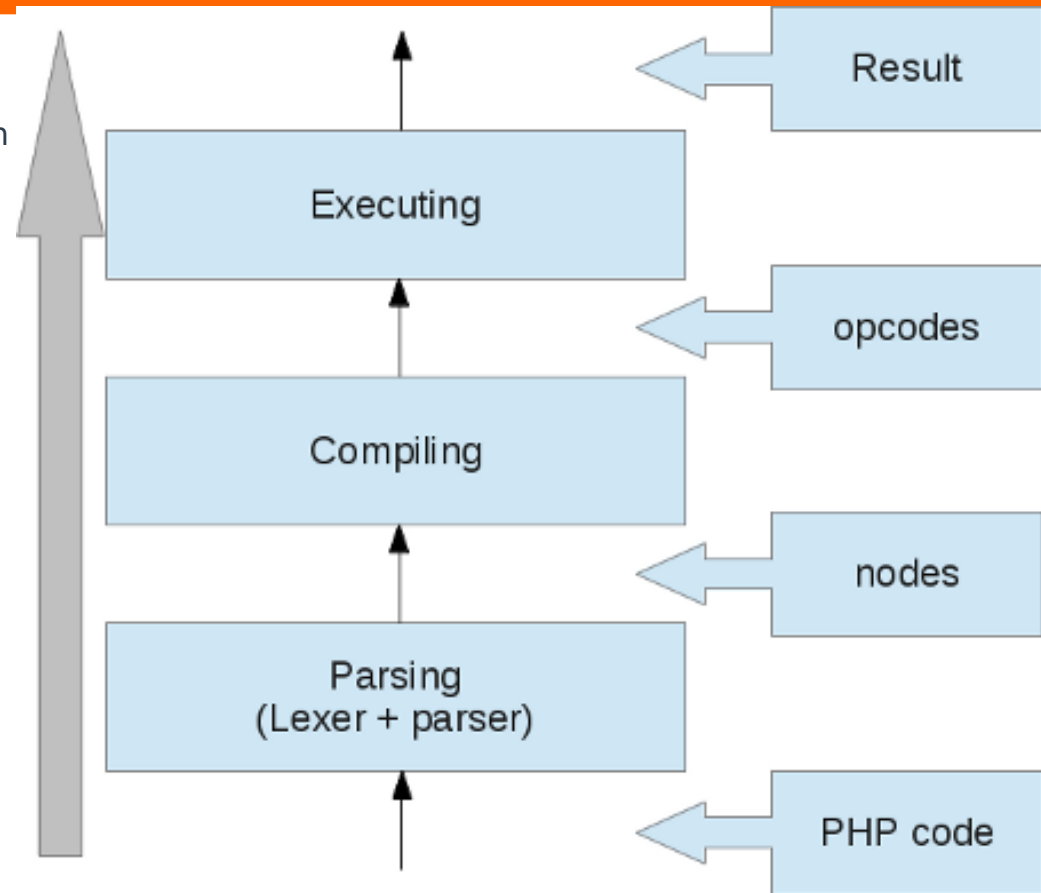
Parse, compile, execute, forget

Parse, compile, execute, forget

...

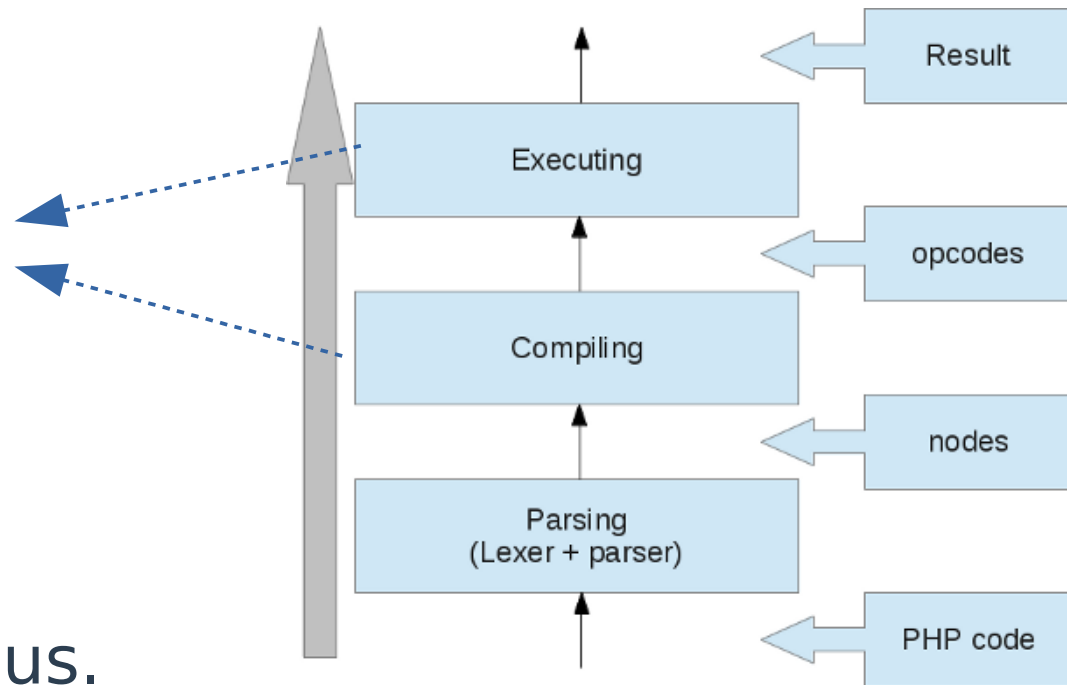
PHP "forgets" everything it's done in request N-1, when it comes to run request N.

- Even if it calls the same scripts several times.

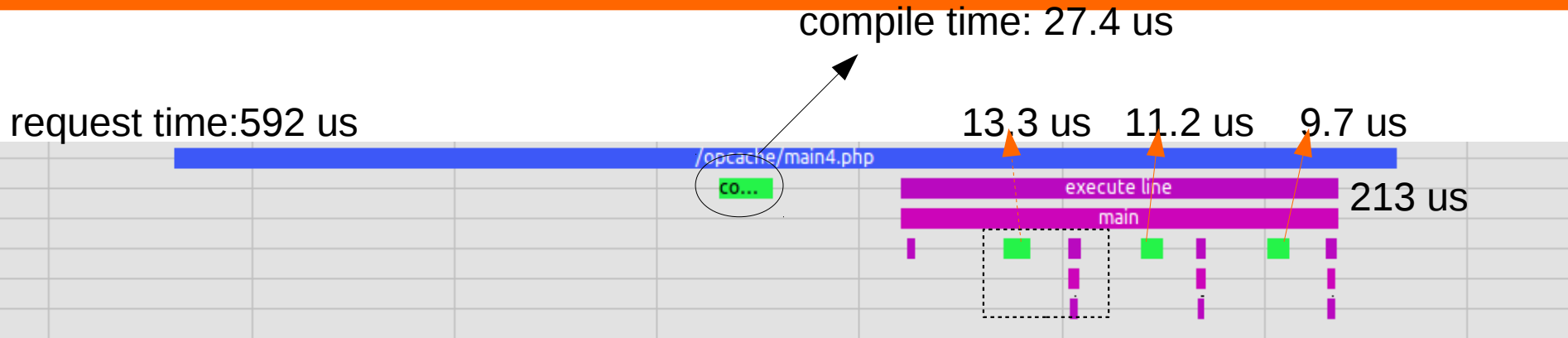


PHP Request Anatomy (2)

- Which one is the longest?
 - It depends!
 - Let's see what trace data gives us.

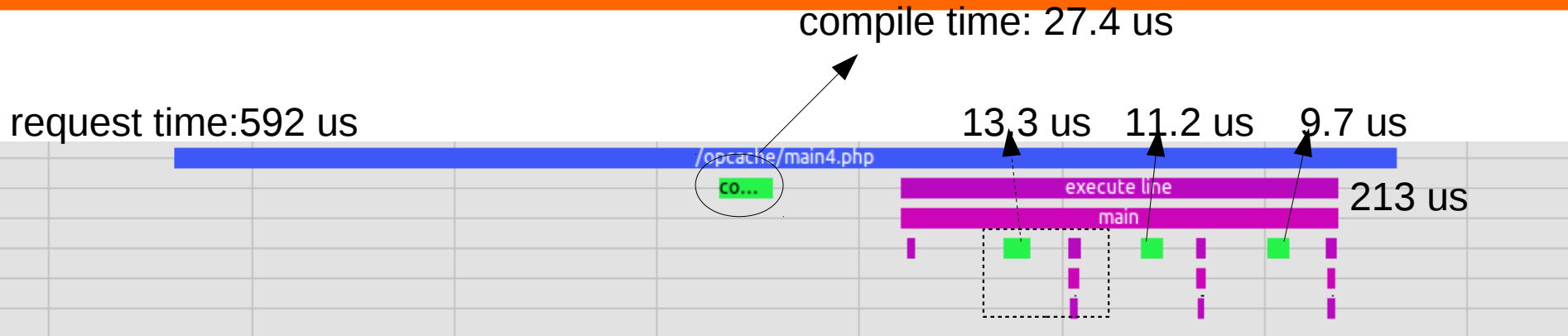


Compile Time Analysis



```
1 <?php /*main4.php*/  
2  
3 $x = rand(0,1000);  
4  
5 echo $x.PHP_EOL;  
6 $xy = 123;  
7 include 'folder1/'.$xy.'.php';  
8 include 'folder2/'.$xy.'.php';  
9 include 'folder3/'.$xy.'.php';  
10  
11 echo $x.PHP_EOL;  
12 ?>
```

Compile Time: UST Events



```
1 <?php /*main4.php*/  
2  
3 $x = rand(0,1000);  
4  
5 echo $x.PHP_EOL;  
6 $xy = 123;  
7 include 'folder1/'.$xy.'.php';  
8 include 'folder2/'.$xy.'.php';  
9 include 'folder3/'.$xy.'.php';  
10  
11 echo $x.PHP_EOL;  
12 ?>
```

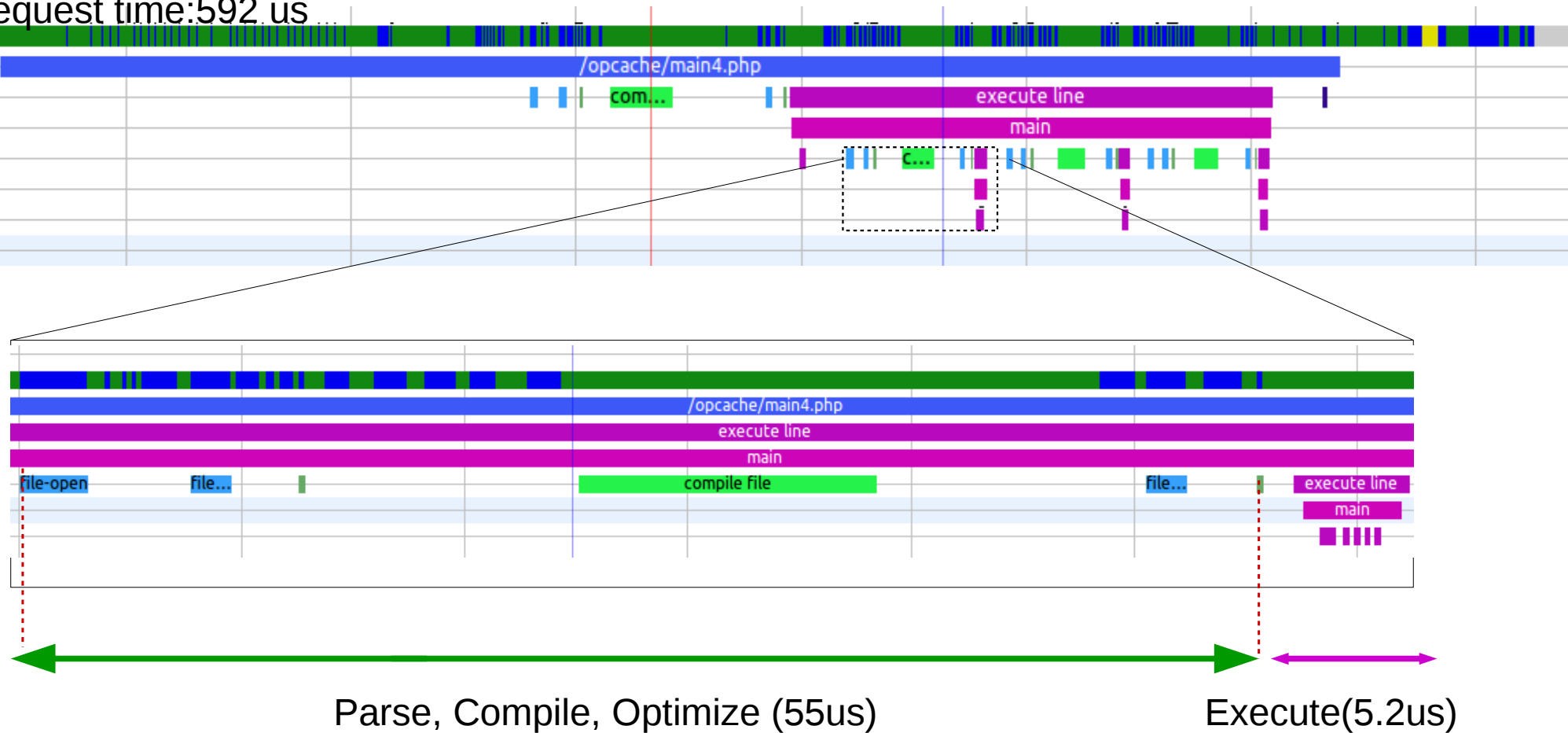
Compilation time: 60us (~ 10 % of the request time)

But, let's go deeper!

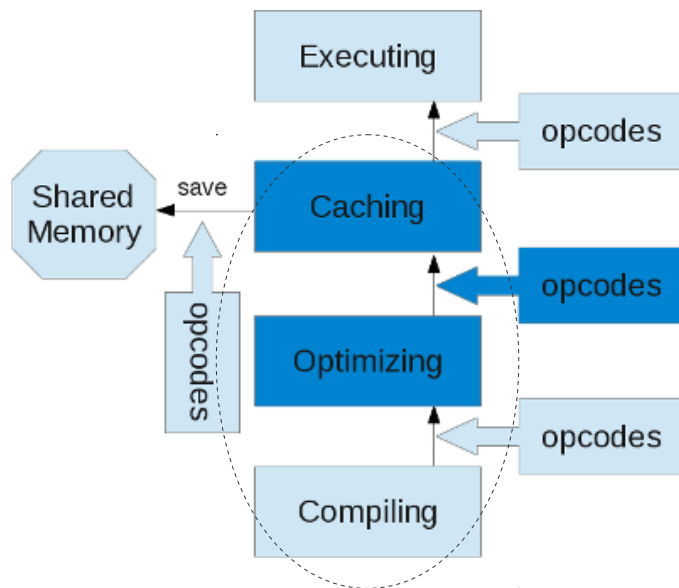
Kernel + UST Events

Now looks much more!

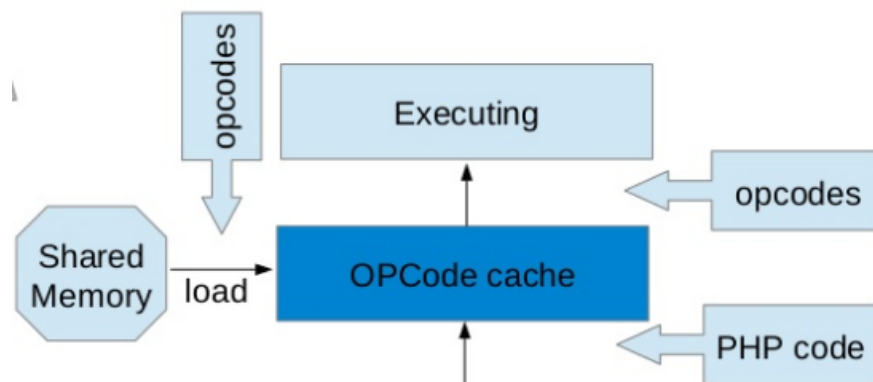
request time: 592 us



Solution: Opcode Cache (Opcache)

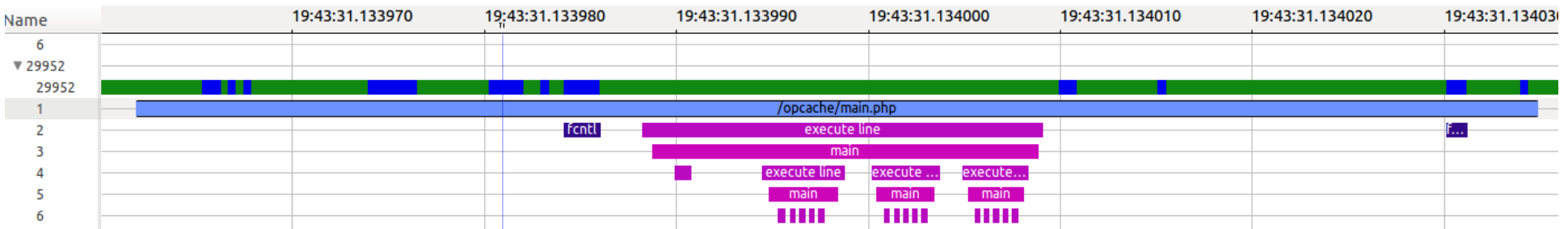


Cache at first run



Load from cache after

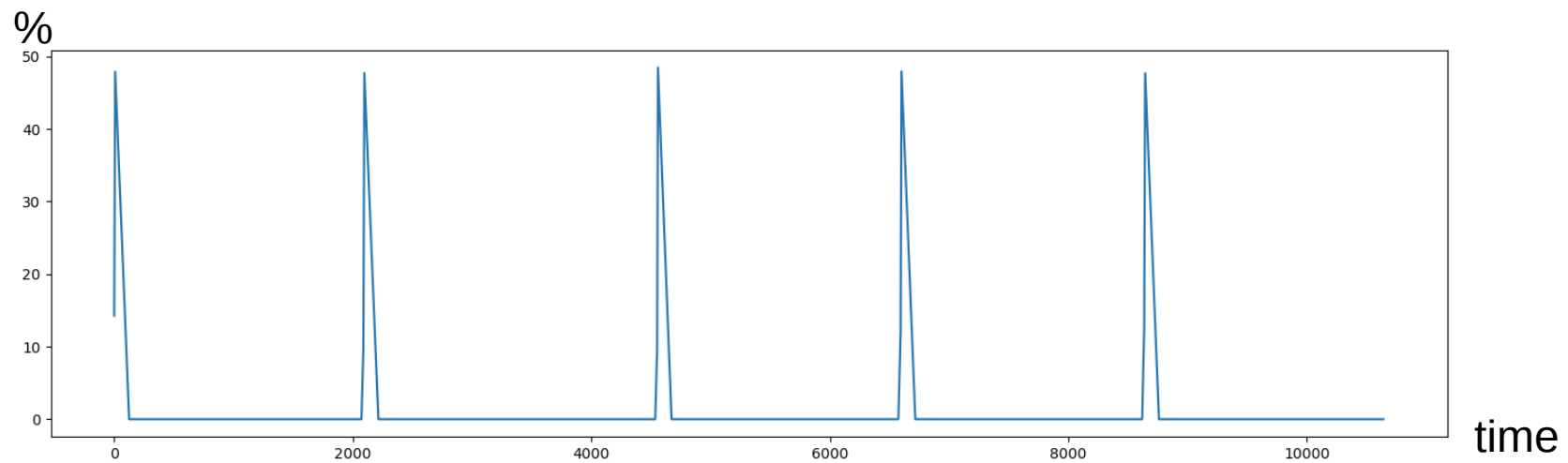
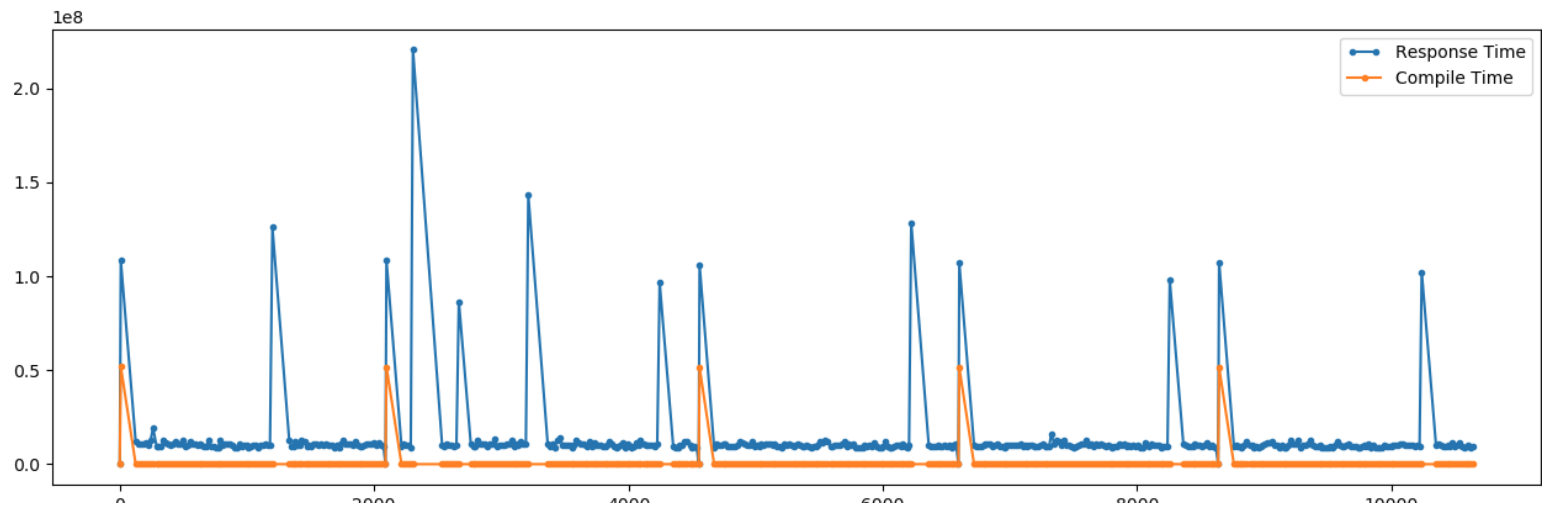
Solution: Opcode Cache (Opcache)



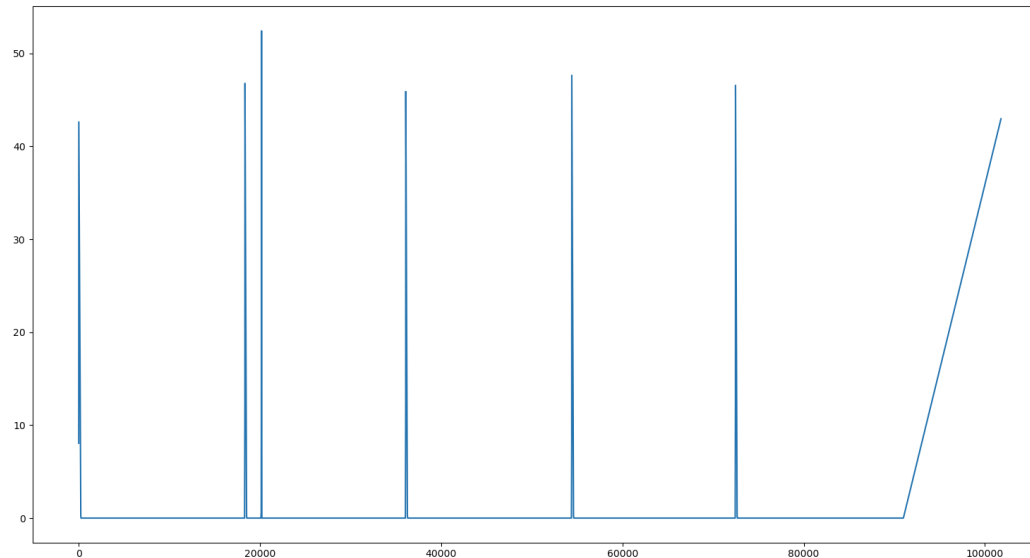
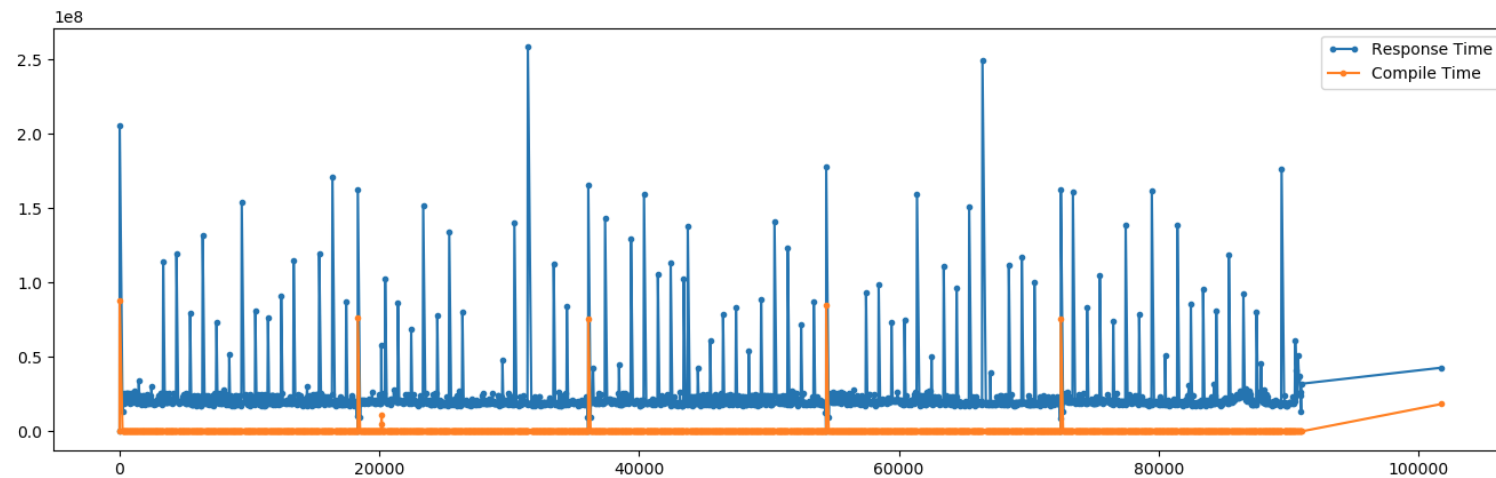
Loads from cache

Response time:
592 us --> 73 us (with caching)

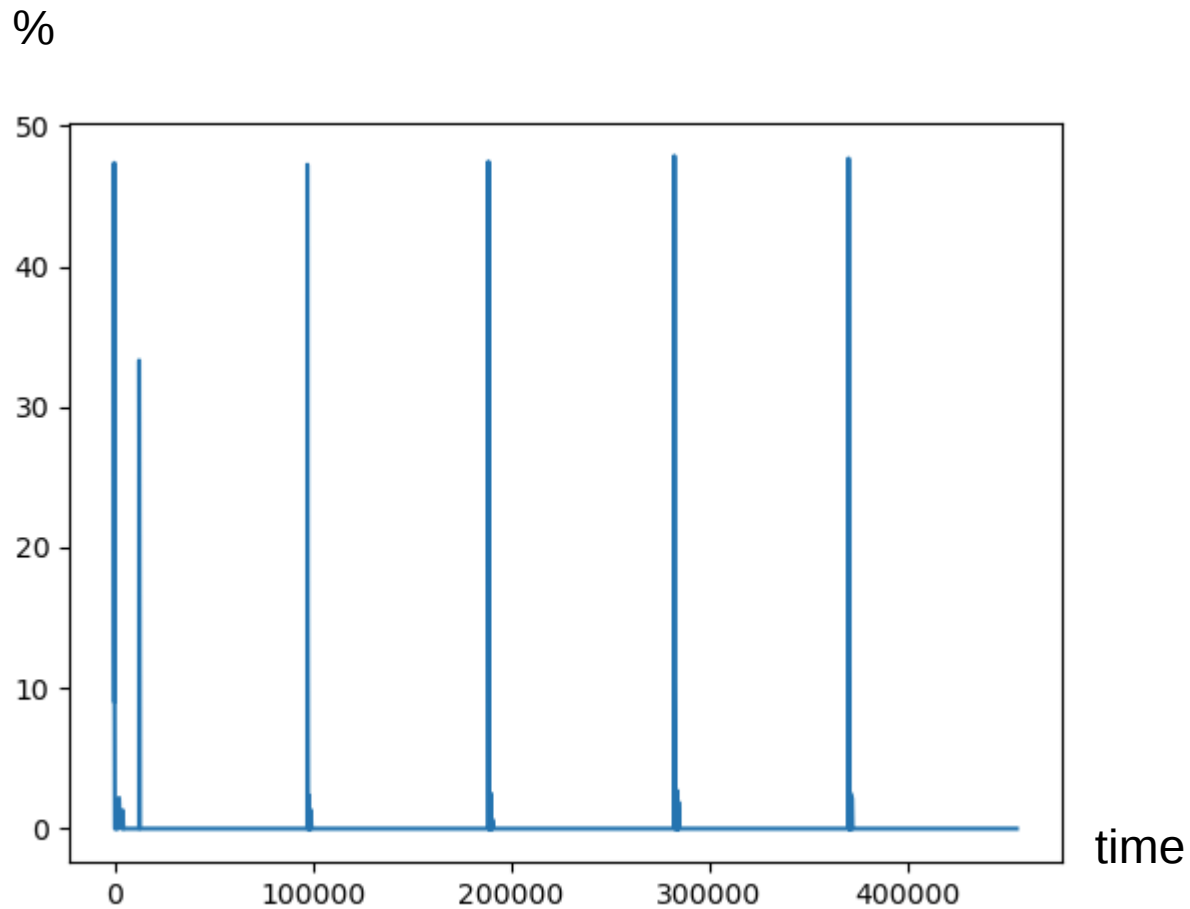
Compile Time: Drupal



Compile Time: WordPress

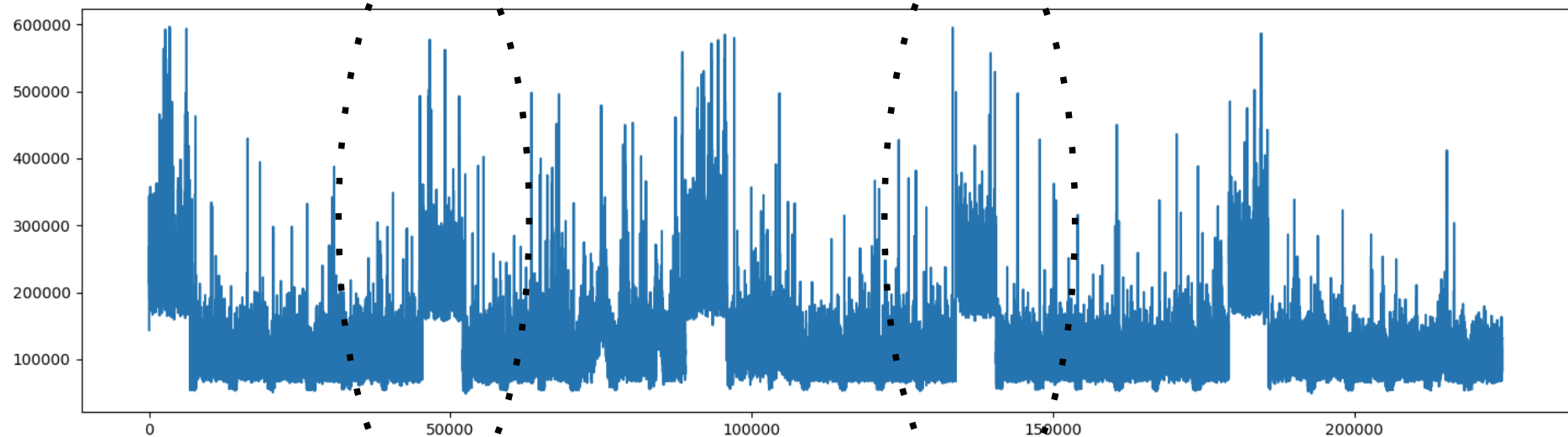


Compile Time: MediaWiki



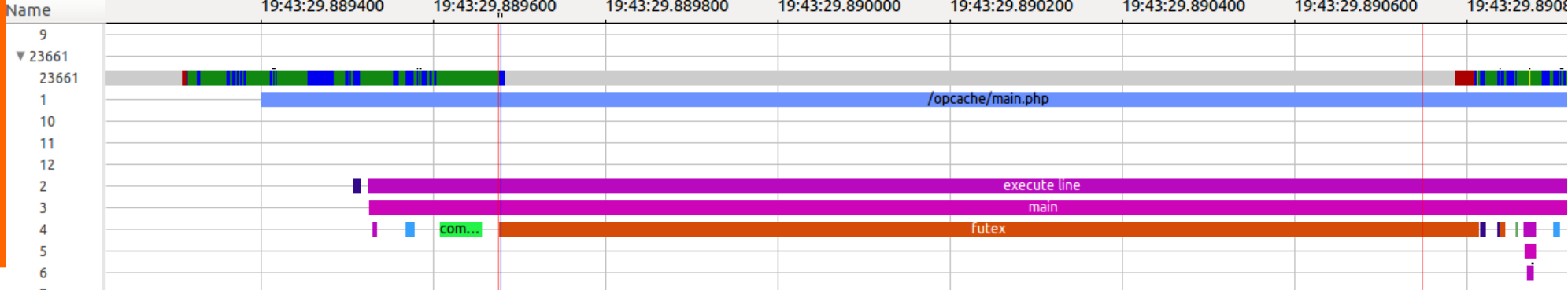
Let's back to our example

Response Time

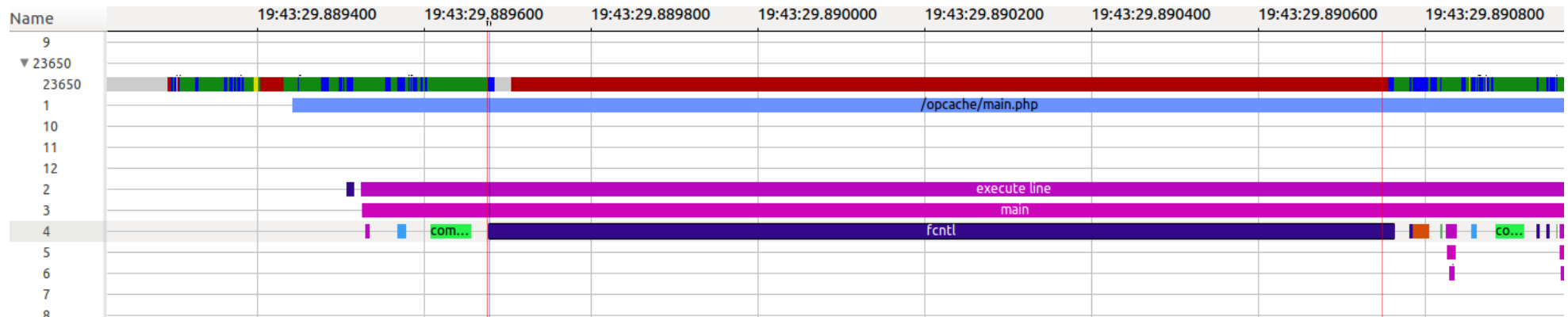


What happens?

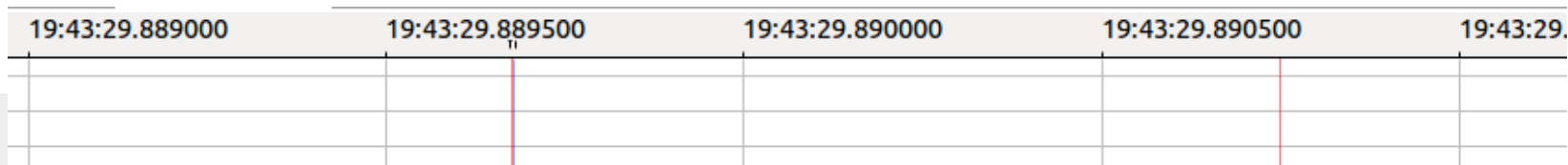
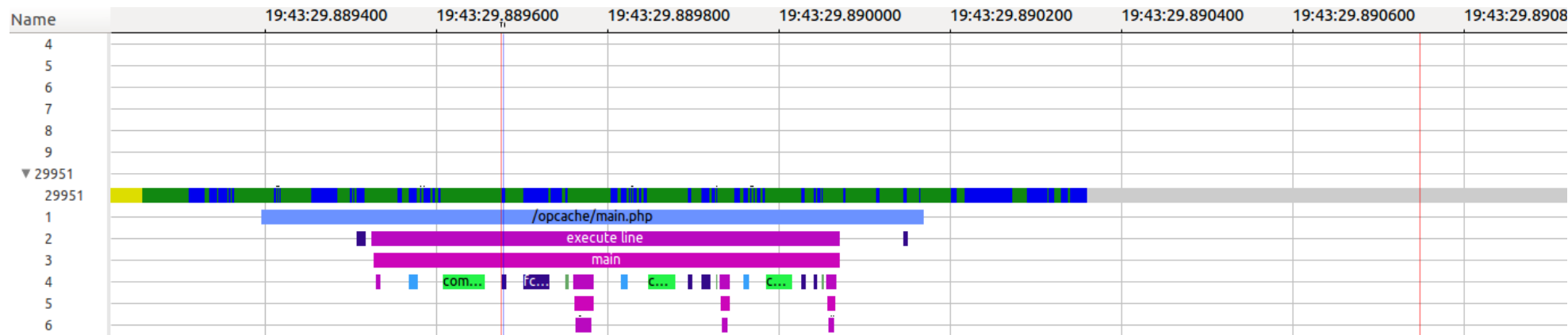
3



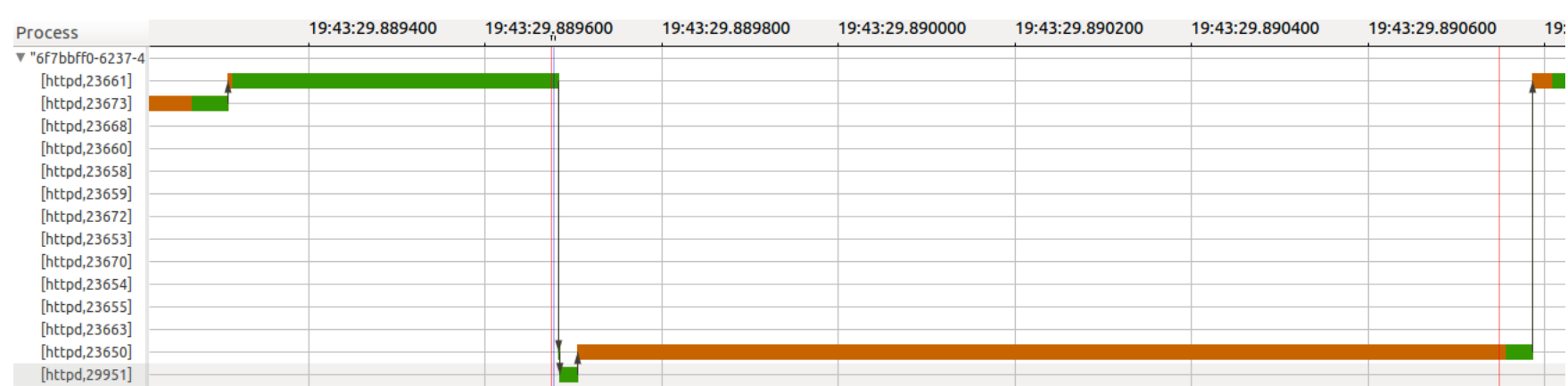
2



1

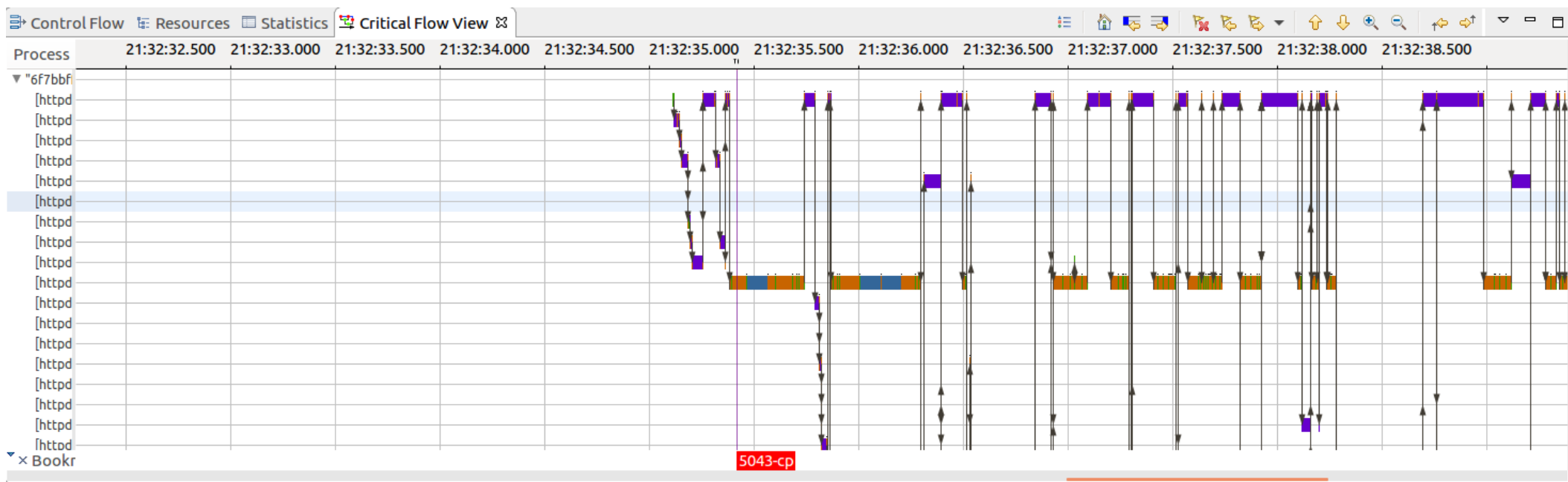


Critical Flow



Every PHP process that is willing to write into shared memory will lock every other process willing to write into shared memory as well.

Critical Flow



Resources

Modules to install:

<https://github.com/naser>

Traces and XML files:

<https://github.com/naser/tracingsumit2017>

Trace Compass:

<http://tracecompass.org>

LTTng:

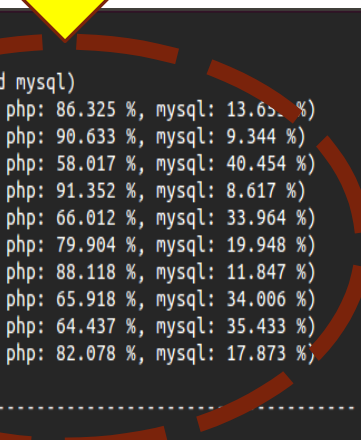
<http://lttng.org/>

Thank you

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Other Slides

- Python Analysis



Time Range: [2016-09-14 20:40:37.751341541, 2016-09-14 20:41:29.596591398]

Apache Top:

Time Range	Response Time	(% Spent in php and mysql)	TID	Method	URI
[20:41:20.984309151, 20:41:24.693434577]	3709125.426	(apache: 0.020 %, php: 86.325 %, mysql: 13.655 %)	9111	GET	132.207.72.37/polyfab/wiki/load.php
[20:40:54.261234556, 20:40:57.787529428]	3526294.872	(apache: 0.022 %, php: 90.633 %, mysql: 9.344 %)	8955	GET	132.207.72.37/polyfab/wiki/load.php
[20:41:14.983114689, 20:41:18.172910580]	3189795.891	(apache: 1.529 %, php: 58.017 %, mysql: 40.454 %)	8929	GET	132.207.72.37/polyfab/wiki/index.php/Ressources
[20:41:09.021468218, 20:41:11.921474018]	2900005.806	(apache: 0.030 %, php: 91.352 %, mysql: 8.617 %)	8927	GET	132.207.72.37/polyfab/wiki/load.php
[20:40:50.227325472, 20:40:53.077147564]	2849822.095	(apache: 0.025 %, php: 66.012 %, mysql: 33.964 %)	8950	GET	132.207.72.37/polyfab/wiki/load.php
[20:41:20.989529057, 20:41:23.818049619]	2828520.561	(apache: 0.148 %, php: 79.904 %, mysql: 19.948 %)	8931	GET	132.207.72.37/polyfab/wiki/load.php
[20:40:54.262046633, 20:40:57.076147767]	2814101.135	(apache: 0.035 %, php: 88.118 %, mysql: 11.847 %)	8956	GET	132.207.72.37/polyfab/wiki/load.php
[20:41:03.544898170, 20:41:06.304035476]	2759137.306	(apache: 0.076 %, php: 65.918 %, mysql: 34.006 %)	8916	GET	132.207.72.37/polyfab/wiki/index.php/Informations
[20:40:48.142448383, 20:40:50.868722822]	2726274.439	(apache: 0.130 %, php: 64.437 %, mysql: 35.433 %)	8946	GET	132.207.72.37/polyfab/wiki/index.php/Accueil
[20:41:17.789501232, 20:41:20.249221766]	2459720.534	(apache: 0.050 %, php: 82.078 %, mysql: 17.873 %)	9041	GET	132.207.72.37/polyfab/wiki/load.php
Total:	10				

Php Top:

Time Range	Response Time	(% Spent in mysql)	TID	Method	URI	SQL TID(s)	No of SQL Query
[20:41:20.984898904, 20:41:24.693296362]	3708397.458	(mysql: 13.658 %)	9111	GET	/polyfab/wiki/load.php	4407,4414	50
[20:40:54.261875801, 20:40:57.787383105]	3525507.304	(mysql: 9.347 %)	8955	GET	/polyfab/wiki/load.php	4371,4376	58
[20:41:15.031814970, 20:41:18.172828398]	3141013.428	(mysql: 41.082 %)	8929	GET	/polyfab/wiki/index.php/Ressources	4396,4397,4398	203
[20:41:09.022227546, 20:41:11.921356875]	2899129.329	(mysql: 8.620 %)	8927	GET	/polyfab/wiki/load.php	4390,4395	49
[20:40:50.227976347, 20:40:53.077093164]	2849116.817	(mysql: 33.972 %)	8950	GET	/polyfab/wiki/load.php	4363,4365,4366	80
[20:41:20.993614041, 20:41:23.817945338]	2824331.297	(mysql: 19.977 %)	8931	GET	/polyfab/wiki/load.php	4410,4413	58
[20:40:54.262955699, 20:40:57.076061031]	2813105.332	(mysql: 11.851 %)	8956	GET	/polyfab/wiki/load.php	4372,4375	49
[20:41:03.546893396, 20:41:06.303932328]	2757038.932	(mysql: 34.032 %)	8916	GET	/polyfab/wiki/index.php/Informations	4377,4378,4379	159
[20:40:48.145928370, 20:40:50.868668015]	2722739.645	(mysql: 35.479 %)	8946	GET	/polyfab/wiki/index.php/Accueil	4358,4359,4360	167
[20:41:17.790576746, 20:41:20.249076101]	2458499.355	(mysql: 17.882 %)	9041	GET	/polyfab/wiki/load.php	4401,4405	49
Total:	10						