

TYPO3 Performance Benchmarking

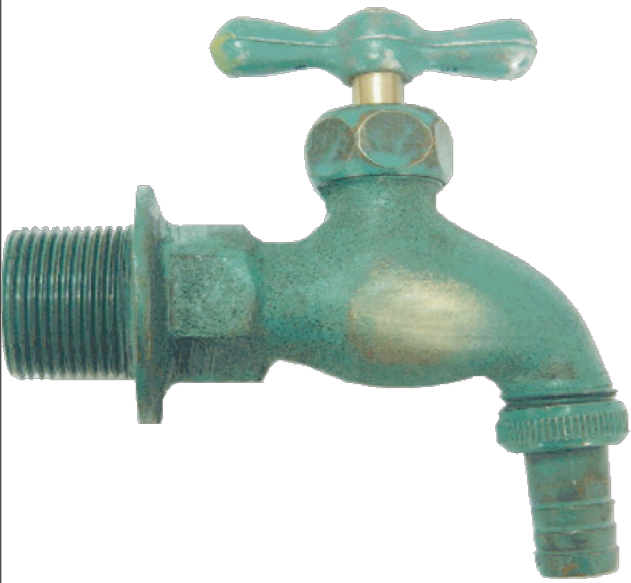
Using the **oelib** extension

Oliver's
Extension
Library

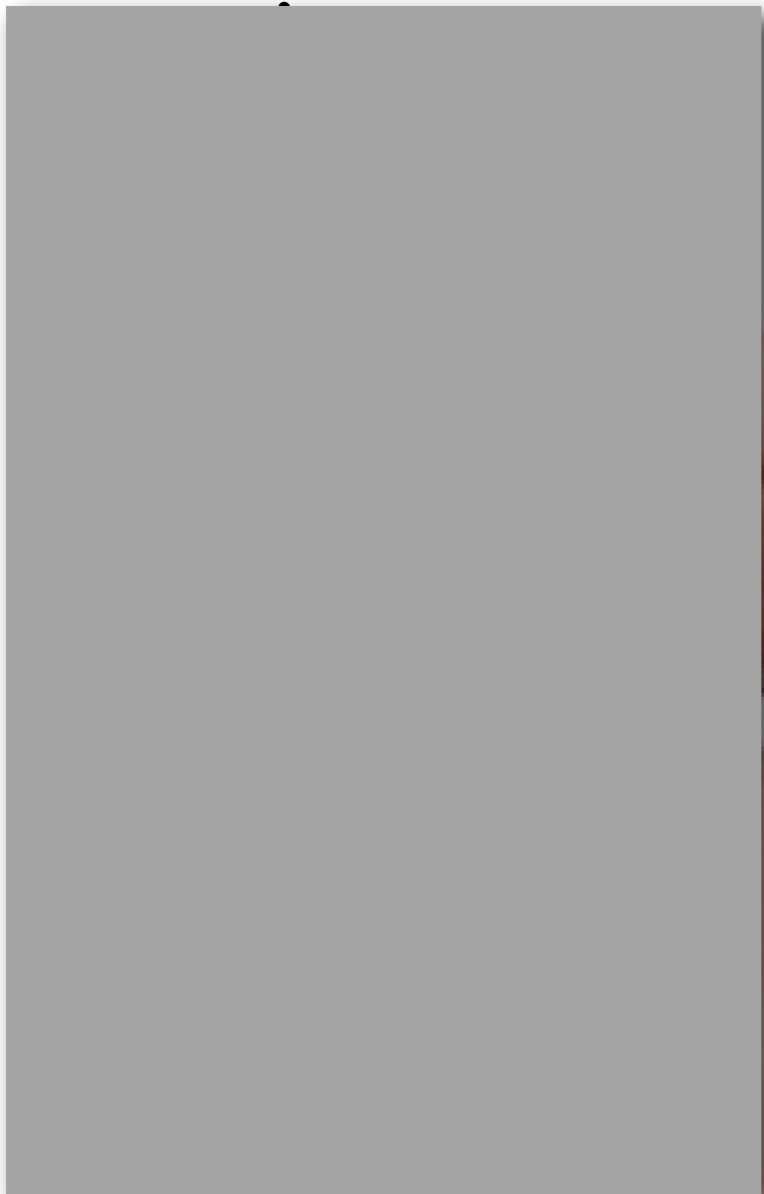


Oliver Klee at the T3DD07, 2007-04-27

Slow rendering



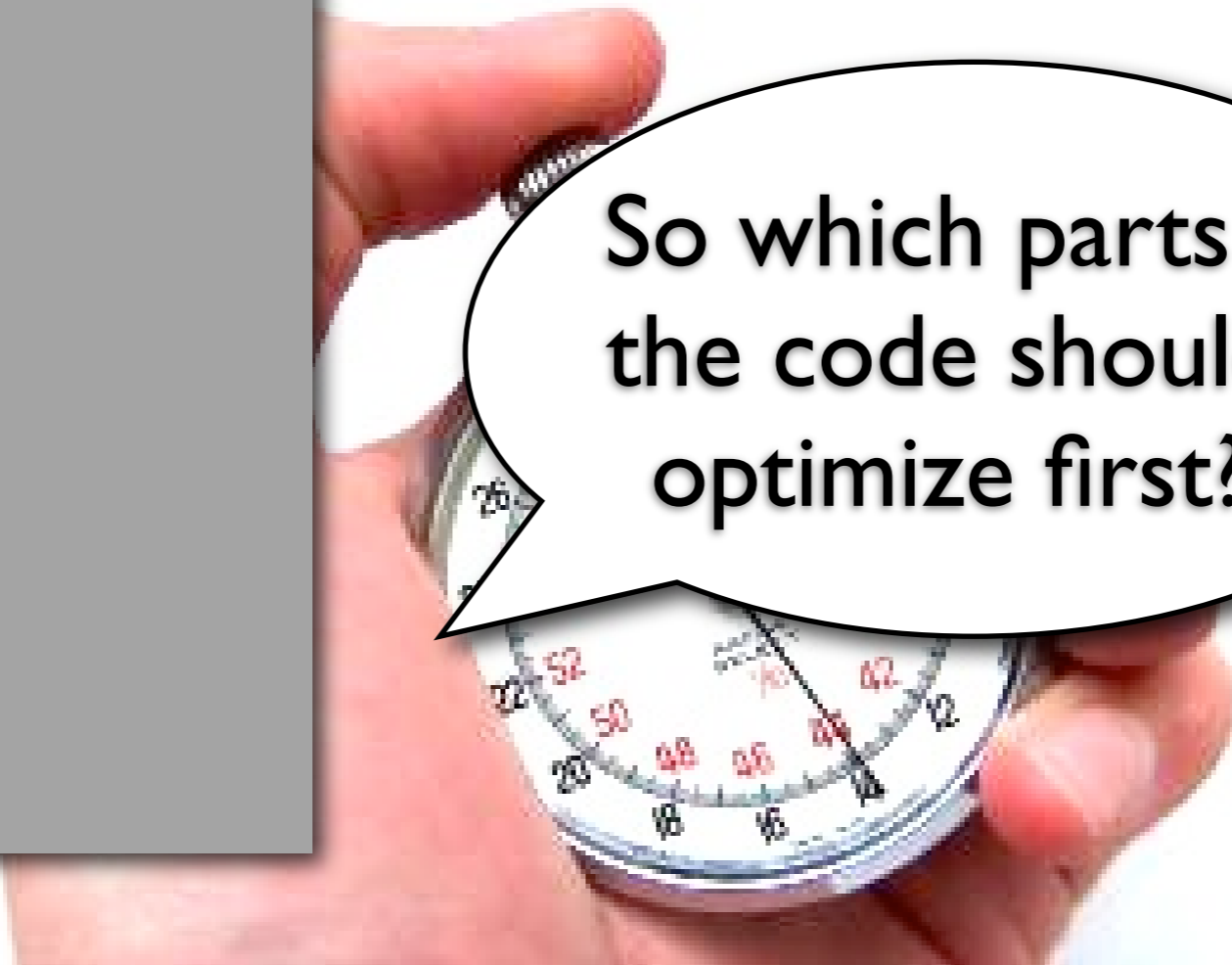
10 s

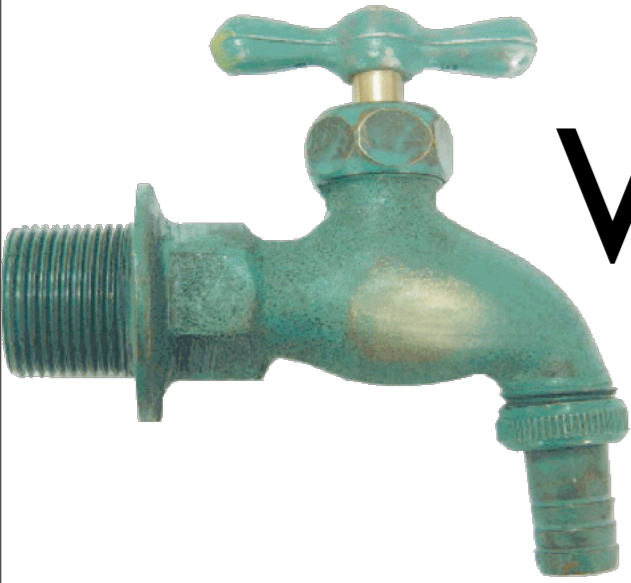


10 seconds?
That is slow ...

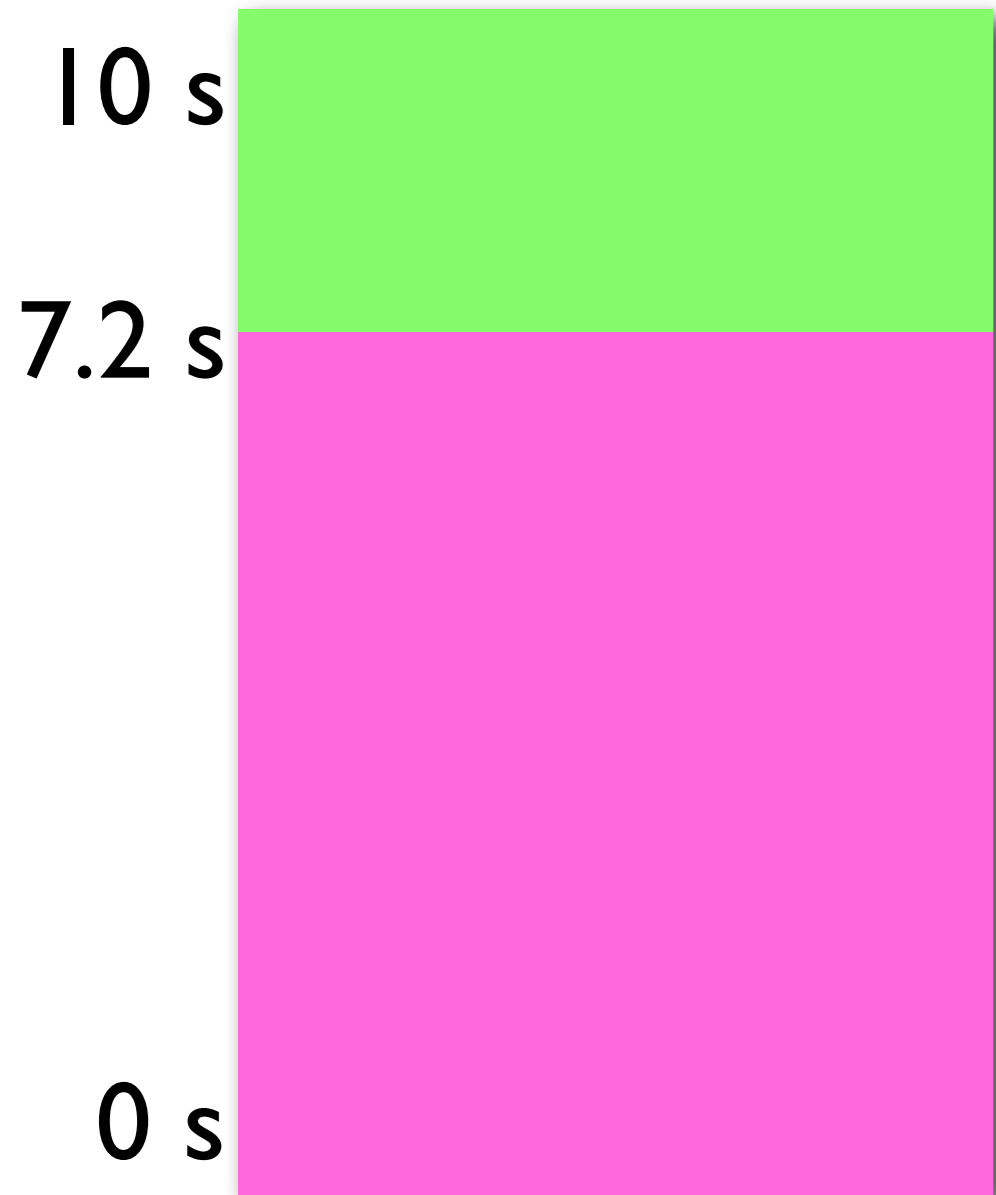
So which parts of
the code should I
optimize first?

0 s





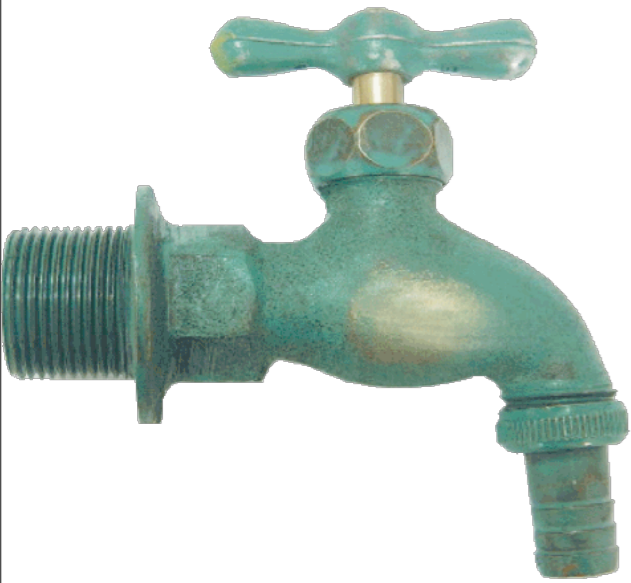
Wall-clock benchmarking



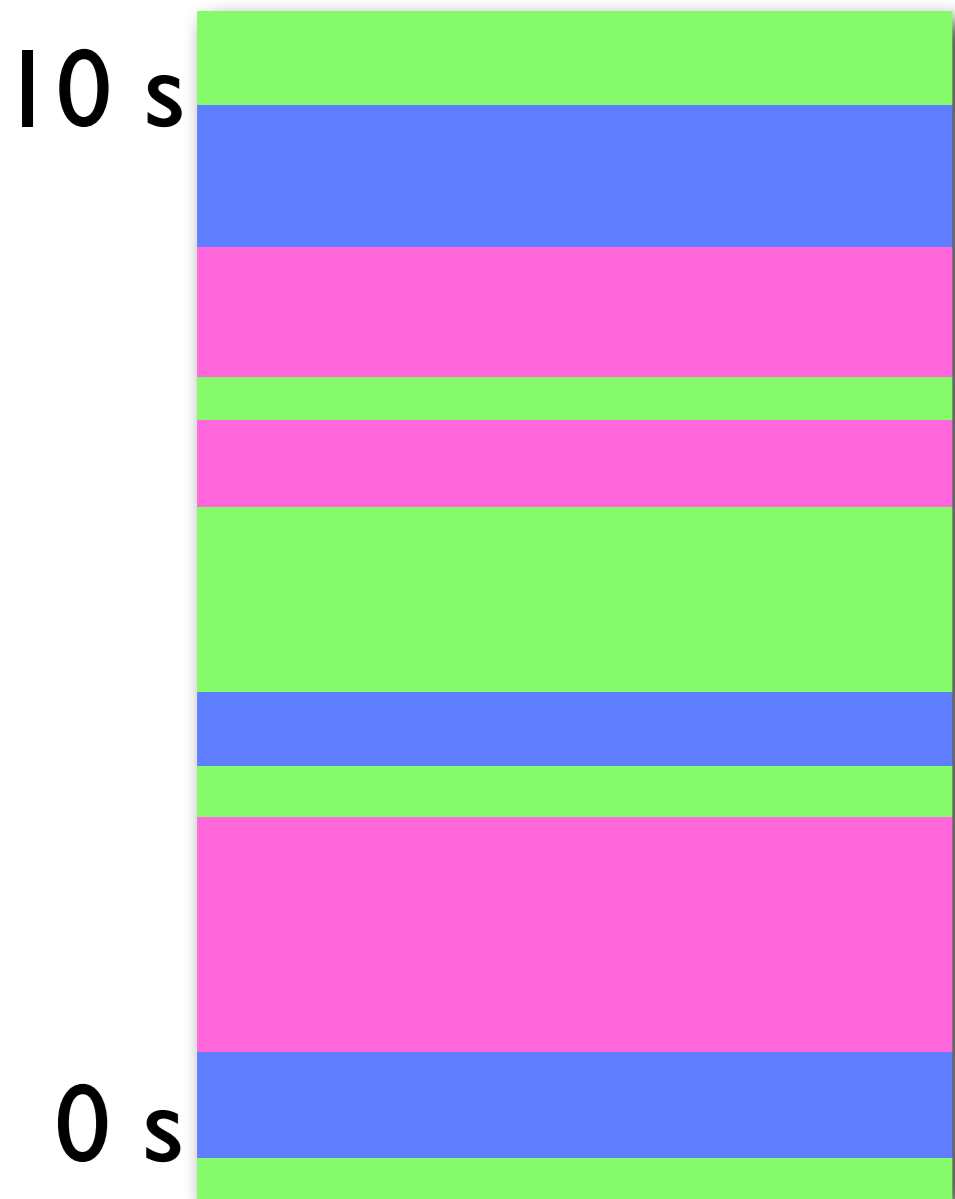
Now that is easy:

I'll optimize **that** part of the code first!

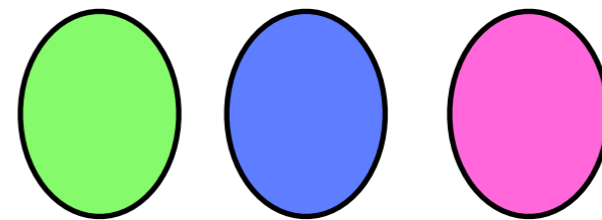




A less easy case



Now we have three code chunks which are executed repeatedly.



How do I measure this and find the bottlenecks here?



Using buckets



Using buckets



Using buckets





Using buckets



And so on ...

Using buckets

I'll optimize **that** part of the code first!

3.2s



2.1s



4.7s





Using oelib buckets

1. Include the timer class:

```
require_once(t3lib_extMgm::extPath  
( 'oelib' ). 'class.tx_oelib_timer.php' );
```

2. Retrieve a timer object (Singleton):

```
$timer =& tx_oelib_timer::getInstance();
```

3. Put a named bucket under the the faucet:

```
$timer->openBucket( 'Templating stuff' );
```

4. Shove the next bucket under the the faucet
(and stop the previous bucket):

```
$timer->openBucket( 'Rendering process' );
```

5. `$timer->openBucket('Templating stuff');`



Using oelib buckets

6. Close the current bucket and show the statistics:

```
$this->content .= $timer->getStatistics();
```

Bucket	Absolute time	Relative time
get next seminar	4.38599324226s	57.9184099312%
getRegistrationsCsvIcon	2.35444712639s	31.0912092872%
create seminar bag	0.53369808197s	7.04764977592%
access control	0.179449081421s	2.36968113844%
getDeleteIcon	0.0908529758453s	1.19974190744%
getEditIcon	0.0114061832428s	0.150622210367%
get seminar data	0.0062575340271s	0.0826326902302%
check Configuration	0.00390100479126s	0.0515139860378%
upper table stuff	0.00345087051392s	0.0455698223879%
start document	0.00119590759277s	0.0157923330868%
create submodules	0.000611066818237s	0.00806932809038%



Using oelib buckets

- Where can oelib buckets be used?
 - across several classes (it's Singleton)
 - in BE modules
 - in FE plugins
 - BE list view
 - FE page rendering
 - anywhere you like ...



Any questions?

