Opcode cache impact on memory usage

Asked 16 years, 3 months ago   Modified 8 years, 1 month ago

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Can anyone tell me what is the *memory usage overhead associated with PHP opcode cache*?

I've seen a lot of reviews of `opcode cache` but all of them only concentrate on the performance increase. I have a small entry level *VPS and memory limits* are a concern for me.

PHP   php   opcode-cache

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edited Nov 8, 2016 at 16:32

Hamza Zafeer
2,438 ● 13 ● 35 ● 47

asked Aug 27, 2008 at 4:36

paan
7,182 ● 8 ● 40 ● 44

3 Answers

Sorted by: Highest score (default)

Most of the memory overhead will come from the opcode cache size. Each opcode cacher has their own default(e.g. 30MB for APC) which you can change through the config file.

Other than the cache size, the actual memory overhead of the cacher itself is negligible.

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edited Aug 27, 2008 at 7:08

answered Aug 27, 2008 at 5:09

Edmund Tay
1,257 ● 1 ● 11 ● 10

In todays world: It's neglectible. I think memory consumption was about 50 MB bigger with eAccelerator then it was without when I did my benchmarks.

If you really need the speed but do have headaches that your RAM might be not enough: grab $40 and buy another GIG of RAM for your server ;)

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answered Aug 27, 2008 at 9:03

BlaM
28.8k ● 33 ● 93 ● 106

You can set a `limit` to memory consumption for `APC`, but that potentially limits its effectiveness.

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If you're just using it for silent *opcode caching*, then it should be fine. Once the memory allotment is full, no new files will be cached, but everything will work as expected. However, the user-space cache functions like `apc_store()` and `apc_fetch()` will fail silently and inexplicably if there is no memory available.

This can be tricky to catch and debug since no error is reported and no exception is thrown.

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edited Nov 8, 2016 at 16:07

Hamza Zafeer
2,438 ● 13 ● 35 ● 47

answered Aug 27, 2008 at 9:51

AdamTheHutt
8,567 ● 8 ● 35 ● 33