CPU profiling of Python applications

by Roman Podoliaka, PyCon Ukraine 2016, Lviv, 23/04/2016

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Jupyter notebook: http://bit.ly/1qYFIJ2 (http://bit.ly/1qYFIJ2)

slides: http://podoliaka.org/talks/profiling/ (http://podoliaka.org/talks/profiling/)

Why this topic

- I'm a development manager at Mirantis (http://mirantis.com/) - don't write much code, mostly debug (performance) issues

- Mirantis is a contributor to OpenStack (http://www.openstack.org/) (~ "free" AWS (https://aws.amazon.com/))

- OpenStack, as a cloud platform, **must** work fast and be able to scale - performance / scale issues are in every single service

- when working on a performance issue, (even experienced) engineers tend to guess (wrong)