

How to reduce hosting costs for **Redis** based applications using **Redisson PRO**

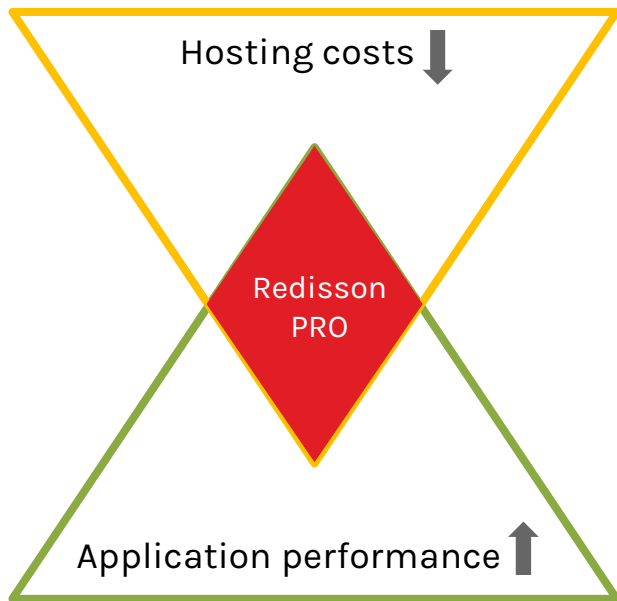
Nikita Koksharov

Founder of  **redisson**

PERFORMANCE OR MONEY?

- ▶ Developers want performance, BOSS wants to save money
- ▶ It's a big challenge to find out optimal combination of both of them

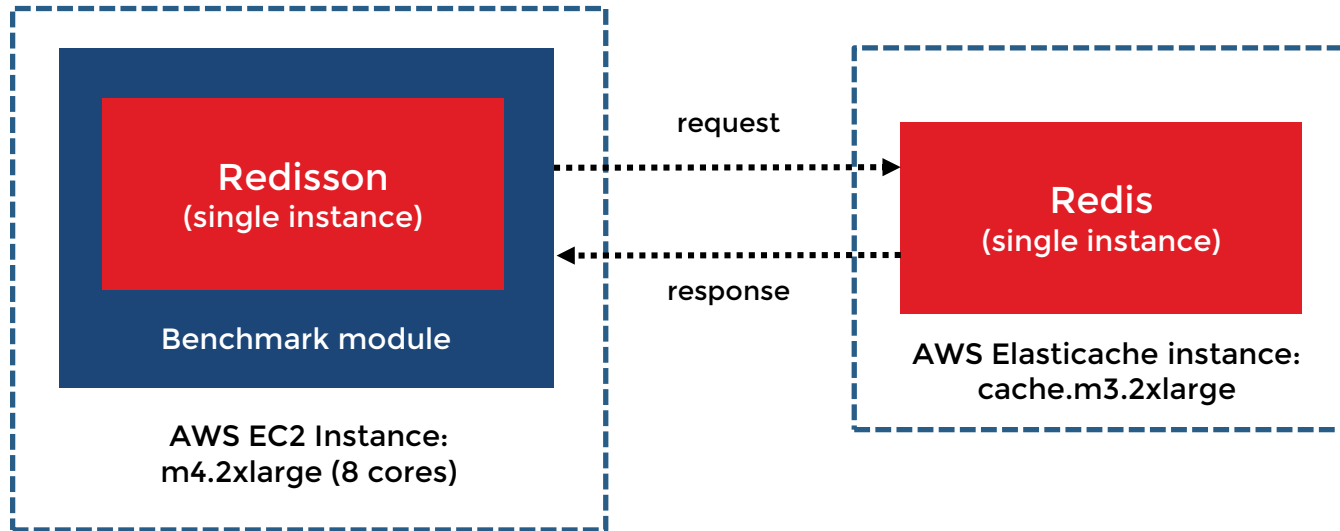
THIS IS WHERE **REDISSON PRO** COMES INTO PLAY



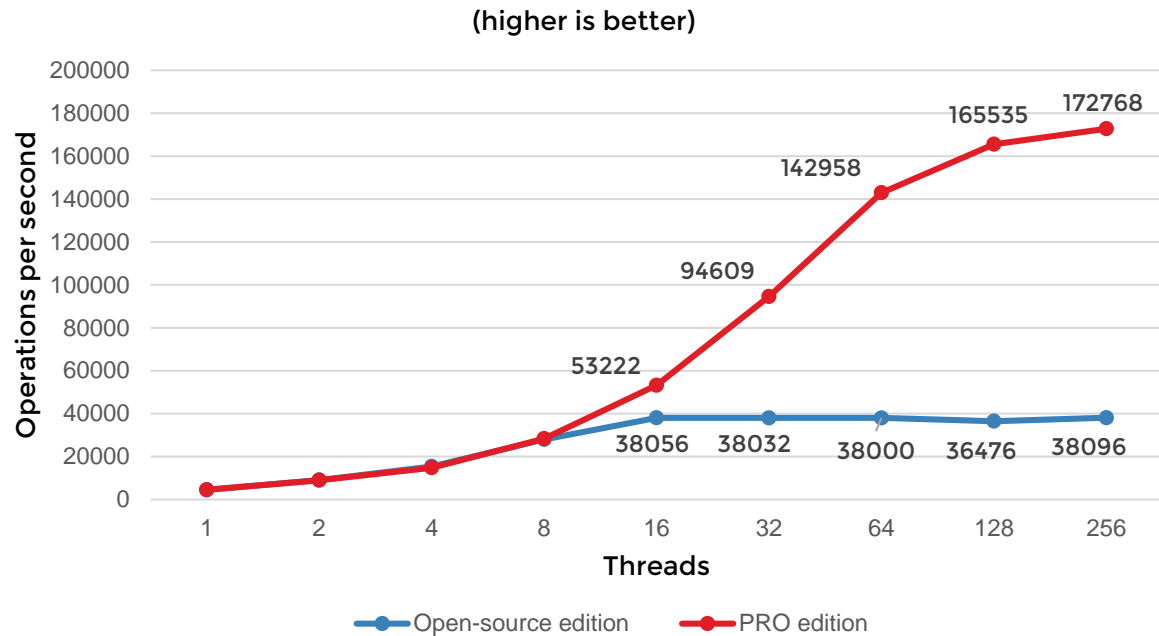
REDISSON PRO ADVANTAGES:

- ▶ Increase throughput up to **4X**
- ▶ Decrease execution time up to **3X**
- ▶ Reduce hosting costs up to **8X**
- ▶ Utilizes available application resources in a much more efficient way
- ▶ Uses less hardware resources

BENCHMARK ENVIRONMENT:

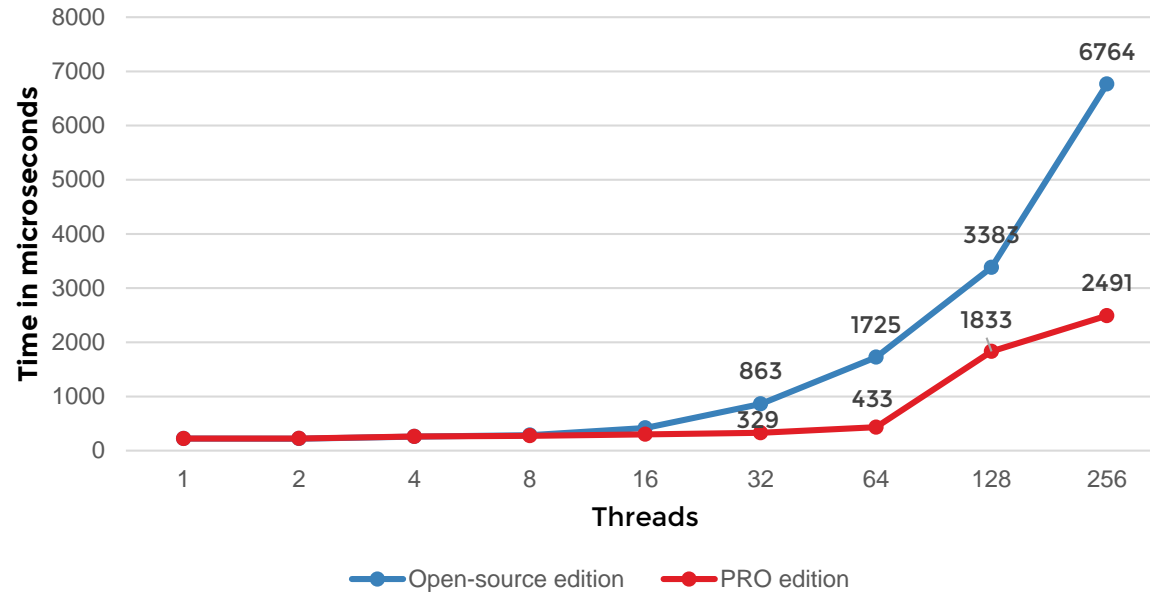


OVERALL THROUGHPUT



OVERALL EXECUTION TIME

(lower is better)



HOW TO REACH THE SAME USING REDISSON OPEN-SOURCE EDITION?

- ▶ Increase **Redis nodes** amount
- ▶ Increase **Application nodes** amount

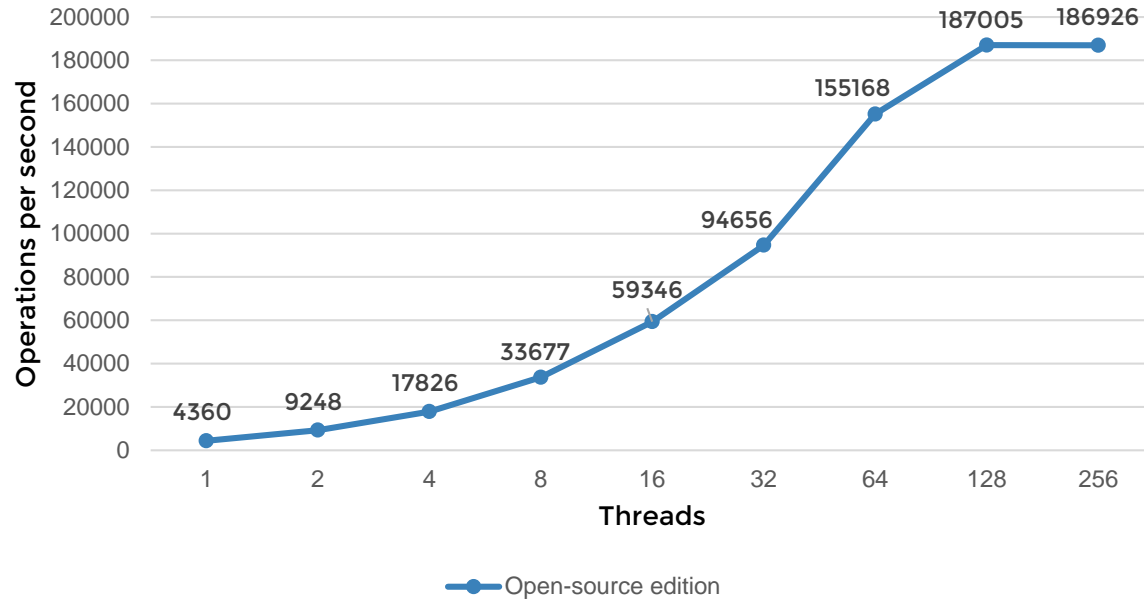
INCREASING **REDIS NODES** AMOUNT

- ▶ It required to use **8 AWS ElastiCache** nodes instead of single node
- ▶ cache.m3.2xlarge node costs **\$619,04** per month or **\$7428,48** per year
- ▶ With **8 AWS ElastiCache** hosting costs increased by **\$4 333,28** per month or **\$51999,36** per year

OVERALL THROUGHPUT

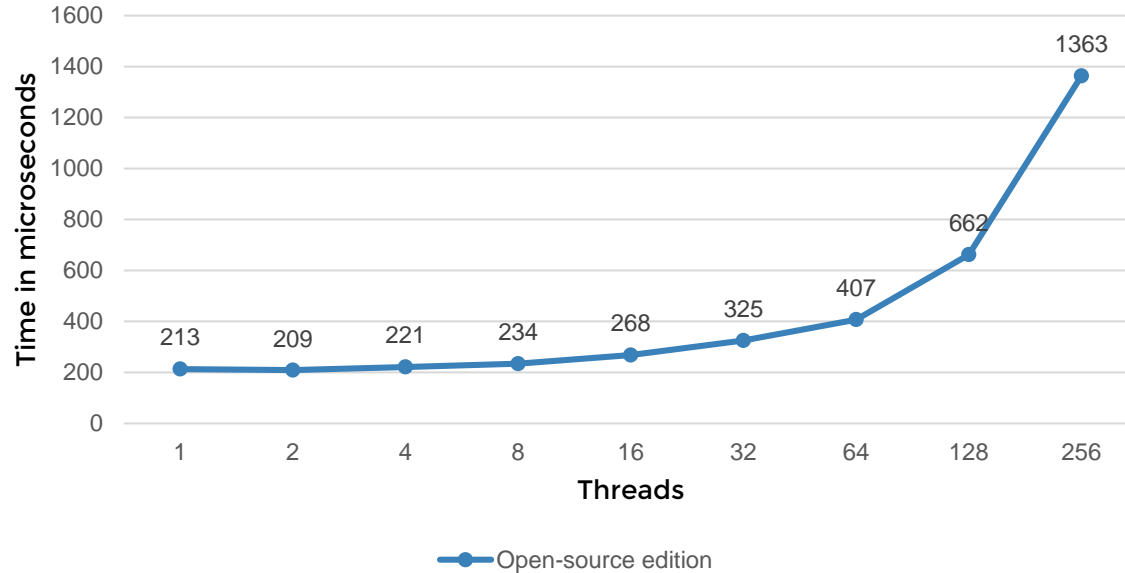
REDISSON OPEN-SOURCE EDITION

(using 8 AWS Redis nodes)



OVERALL **EXECUTION TIME** REDISSON OPEN-SOURCE EDITION

(using 8 AWS Redis nodes)

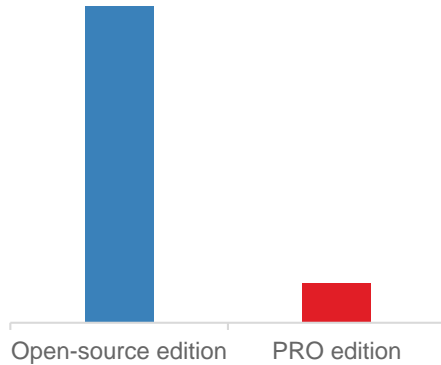


WITH REDISSON PRO YOUR EXPENSES WON'T INCREASE

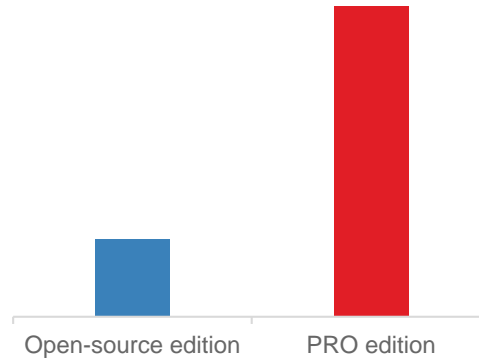
AWS Elasicache node type	Reduced hosting costs per month	Reduced hosting costs per year	Reduced nodes amount
cache.m3.medium	\$526,33	\$6315,96	7
cache.m3.large	\$1103,76	\$13245,12	7
cache.m3.xlarge	\$2207,52	\$26490,24	7
cache.m3.2xlarge	\$4333,28	\$51999,36	7
cache.m4.large	\$950,46	\$11405,52	7
cache.m4.xlarge	\$1895,81	\$22749,72	7
cache.m4.2xlarge	\$3786,51	\$45438,12	7

SUMMARY

REDUCES HOSTING
COSTS UP TO **8X**
TIMES



UP TO **4X** FASTER



TENS OF THOUSAND SAVED FROM YOUR OPERATIONAL
COST WITH REDISSON PRO

THANK YOU!

<http://redisson.pro>