

Reduce hosting costs and
boost Java application
performance

with **Redisson PRO**

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Founder of

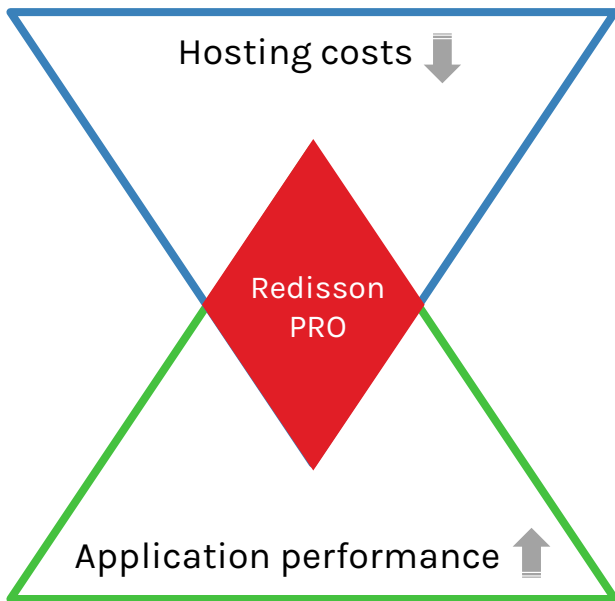


redisson

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

REDIS CLIENT ENGINE ADVANTAGES:

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

REDISSON PRO

REDIS CLIENT ENGINE ADVANTAGES:

- ▶ Up to **4X** faster read/write operations for all Redisson objects including **Hibernate Cache, MyBatis Cache, Spring Cache, Map, Set, List, JCache**
- ▶ Up to **4X** faster performance of web applications deployed in **Apache Tomcat**

REDISSON PRO ADVANTAGES:

- ▶ Optimized search engine
- ▶ Exposes **performance metrics** through **20** different statistics monitoring systems including **JMX**

REDISSON PRO

LOCAL CACHE ADVANTAGES:

- ▶ Up to **10X** faster read operations execution for **Hibernate Cache**
- ▶ Up to **45X** faster read operations execution for **MyBatis Cache**
- ▶ Up to **45X** faster read operations execution for **Spring Cache**

REDISSON PRO

LOCAL CACHE ADVANTAGES:

- ▶ Up to **45X** faster read operations execution for **Map with expiring entries**
- ▶ Up to **45X** faster read operations execution for **JCache**

REDISSON PRO ADVANTAGES OF DATA PARTITIONING IN CLUSTER:

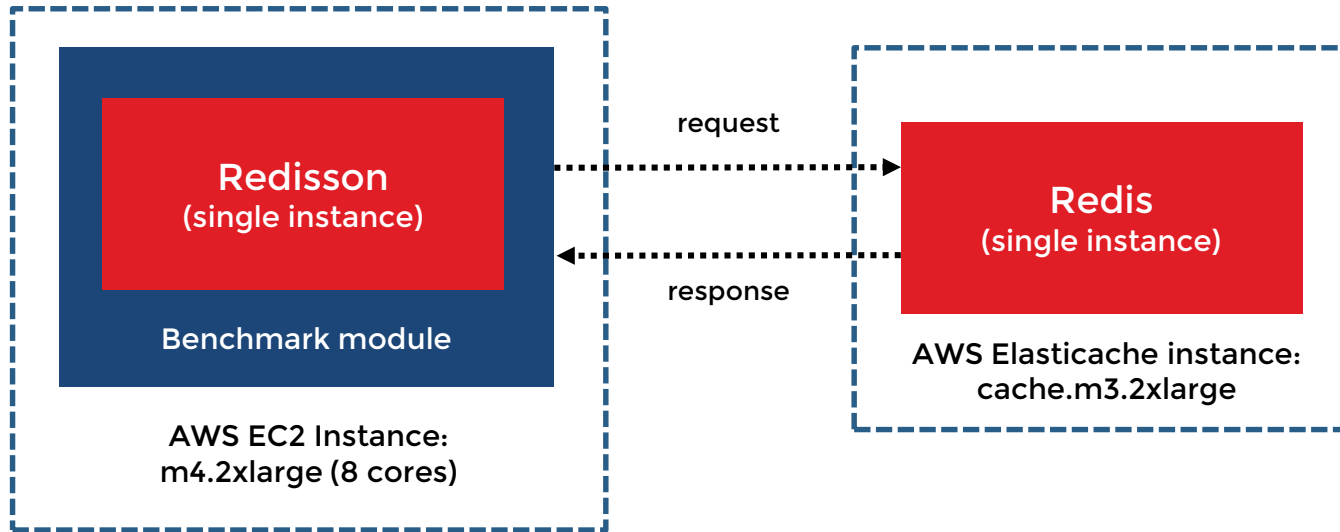
- ▶ Scales content of **Set, Map, Spring Cache, Hibernate Cache** and **MyBatis Cache**
- ▶ **Increases** available memory
- ▶ **Boosts** throughput of read/write operations
- ▶ **Boosts** entry eviction process

REDISSON PRO

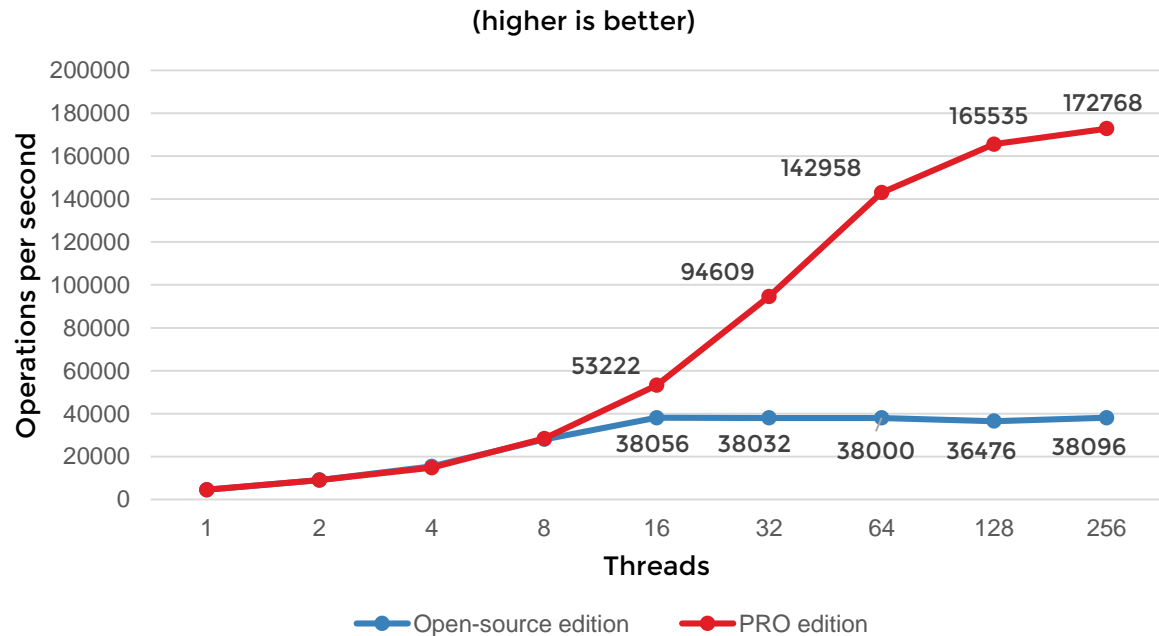
SUPPORT ADVANTAGES:

- ▶ **24x7** technical support with **SLA**
- ▶ **Priority fixes** with intermediate releases

BENCHMARK ENVIRONMENT:

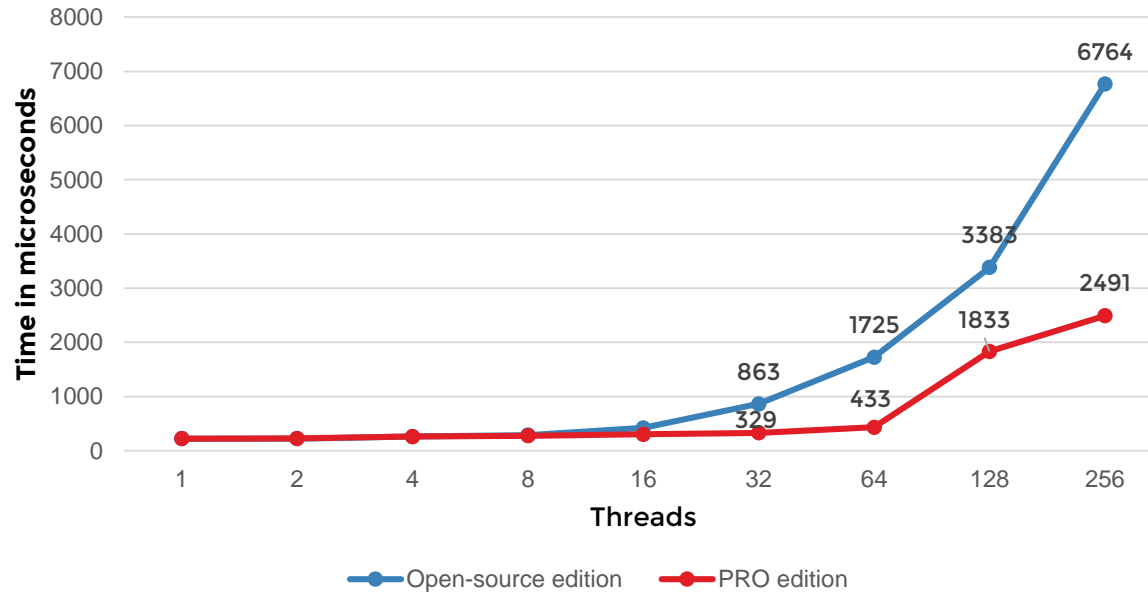


OVERALL THROUGHPUT



OVERALL EXECUTION TIME

(lower is better)



WHY IS **REDISSON PRO** SO FAST?

- ▶ The open source version is not been artificially slowed, as the source code clearly demonstrated
- ▶ PRO version utilizes a high performance processing engine specially engineered to deliver a remarkable result that is unavailable to other Redis Clients

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

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

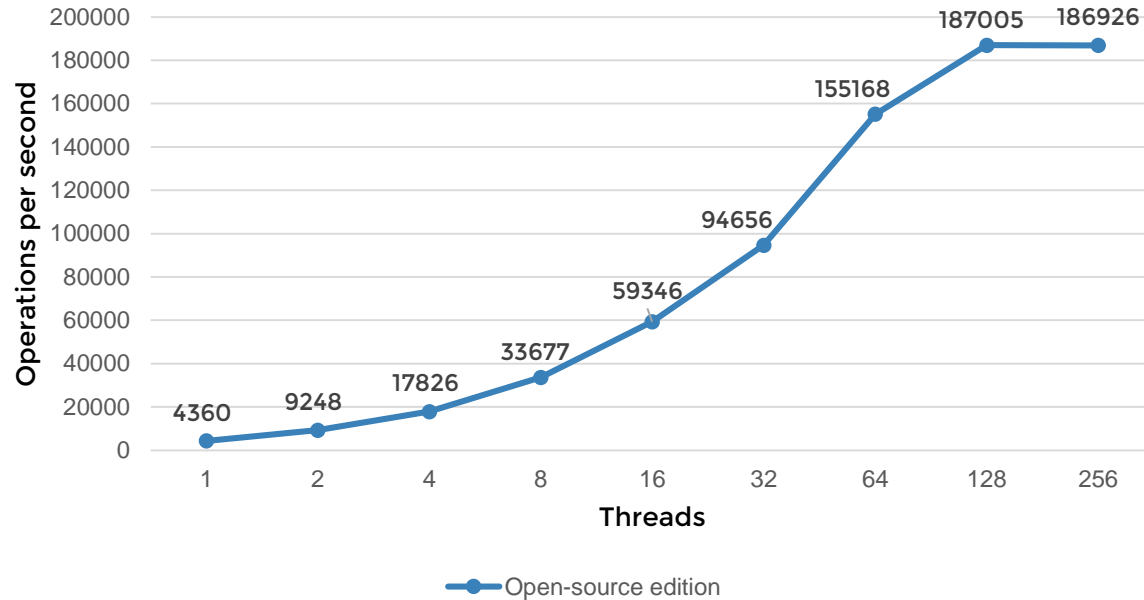
INCREASING **REDIS NODES** AMOUNT

- ▶ 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

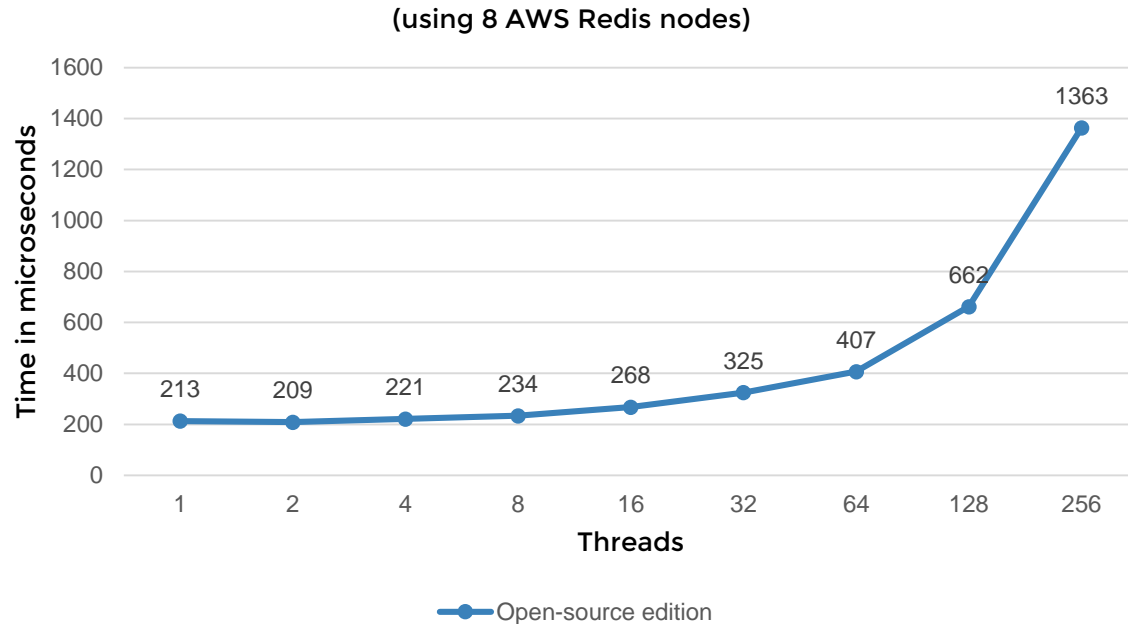
OVERALL THROUGHPUT

REDISSON OPEN-SOURCE EDITION

(using 8 AWS Redis nodes)



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

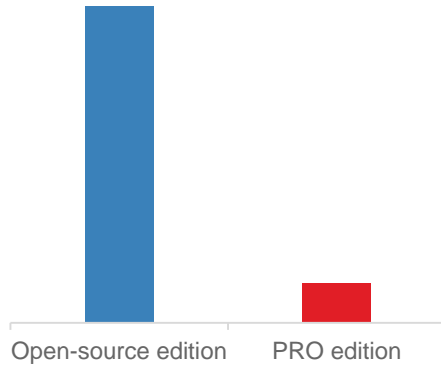


REDIS PRO REDUCES YOUR HOSTING COSTS

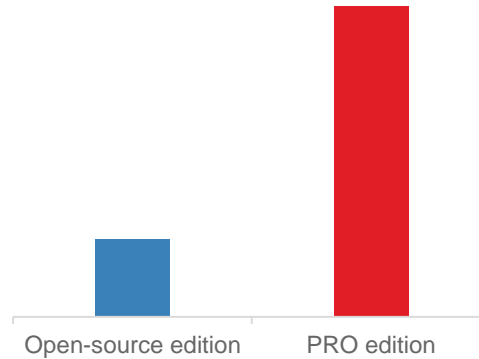
AWS Elasticscache node type	Reduced hosting costs per month	Reduced hosting costs per year	Reduced nodes amount
cache.m3.medium	\$526,33	\$6315,96	7
cache.m3.large	\$1103,76	\$13245,12	7
cache.m3.xlarge	\$2207,52	\$26490,24	7
cache.m3.2xlarge	\$4333,28	\$51999,36	7
cache.m4.large	\$950,46	\$11405,52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

SUMMARY

REDUCES HOSTING COSTS UP TO **8X**



FASTER UP TO **4X**



TENS OF THOUSAND SAVED FROM YOUR OPERATIONAL COST WITH REDISSON PRO

TRUSTED BY COMPANIES
FROM **FORTUNE 100** AND
FORTUNE GLOBAL 500

THANK YOU!

<https://redisson.pro>