

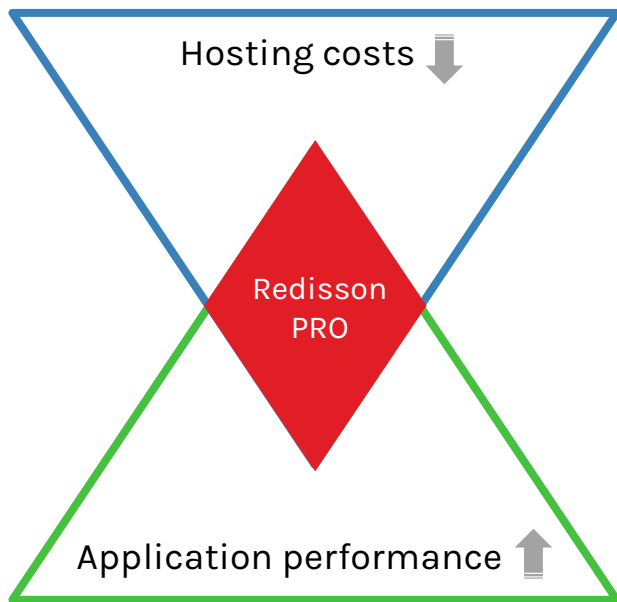
Reduce hosting costs and
boost Java application
performance

with **Redisson PRO**

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

ULTRA-FAST ENGINE:

- ▶ 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

ULTRA-FAST WEB-SESSION:

- ▶ Up to **4X** faster performance of web applications deployed in **Apache Tomcat**
- ▶ Up to **4X** faster web session management for **Spring Session** and **Micronaut Session**,
- ▶ Reduces latency and improves application responsiveness.

REDISSON PRO

ULTRA-FAST CACHE:

- ▶ Up to **4X** faster performance of **Spring Cache**, **Hibernate Cache**, **MyBatis Cache**, **JCache API (JSR-107)**, **Quarkus Cache**, **Micronaut Cache**
- ▶ Local cache implementations for **Spring Cache**, **Hibernate Cache**, **MyBatis Cache**, **JCache API (JSR-107)**, **Quarkus Cache**, **Micronaut Cache**

REDISSON PRO

DATA PARTITIONING IN CLUSTER:

- ▶ Scales content of **the same Cache instance** among all Valkey or Redis nodes
- ▶ **Increases** available memory
- ▶ **Boosts** throughput of read/write operations
- ▶ **Boosts** entry eviction process

REDISSON PRO

OBSERVABILITY AND SECURITY:

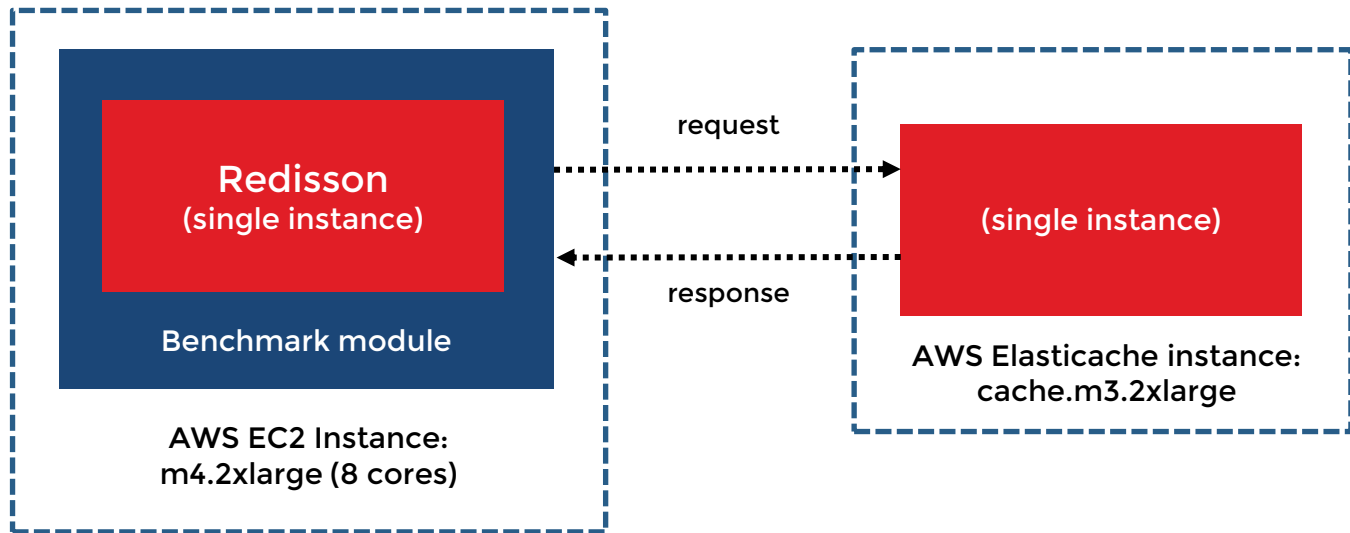
- ▶ **30+** metrics exposed through the **top 20 monitoring systems**
- ▶ **AES encryption** of passwords defined in the configuration file

REDISSON PRO

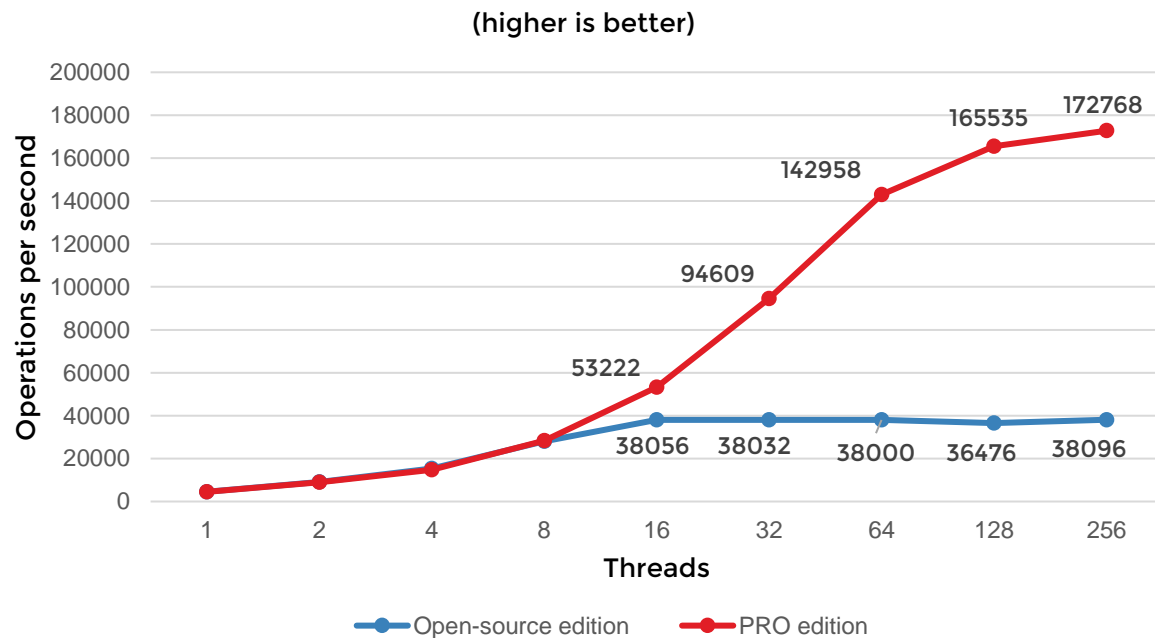
TECHNICAL SUPPORT:

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

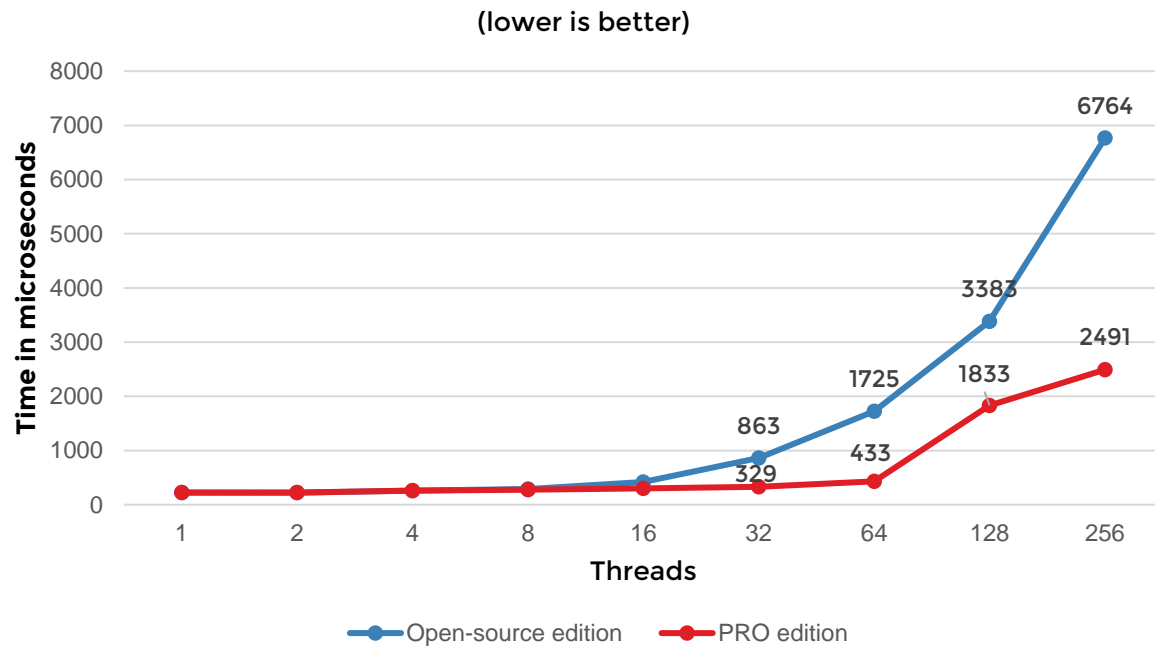
BENCHMARK ENVIRONMENT:



OVERALL THROUGHPUT



OVERALL EXECUTION TIME



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 Valkey or Redis Clients

HOW TO REACH THE SAME USING REDISSON COMMUNITY EDITION?

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

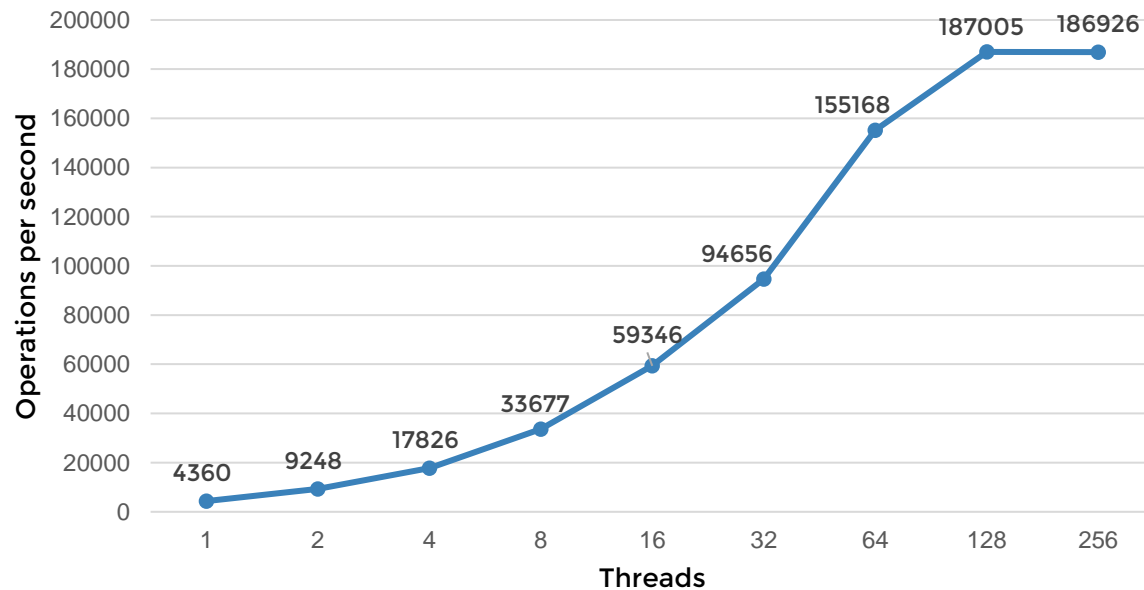
INCREASING **VALKEY** OR **REDIS** NODES AMOUNT

- ▶ 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**

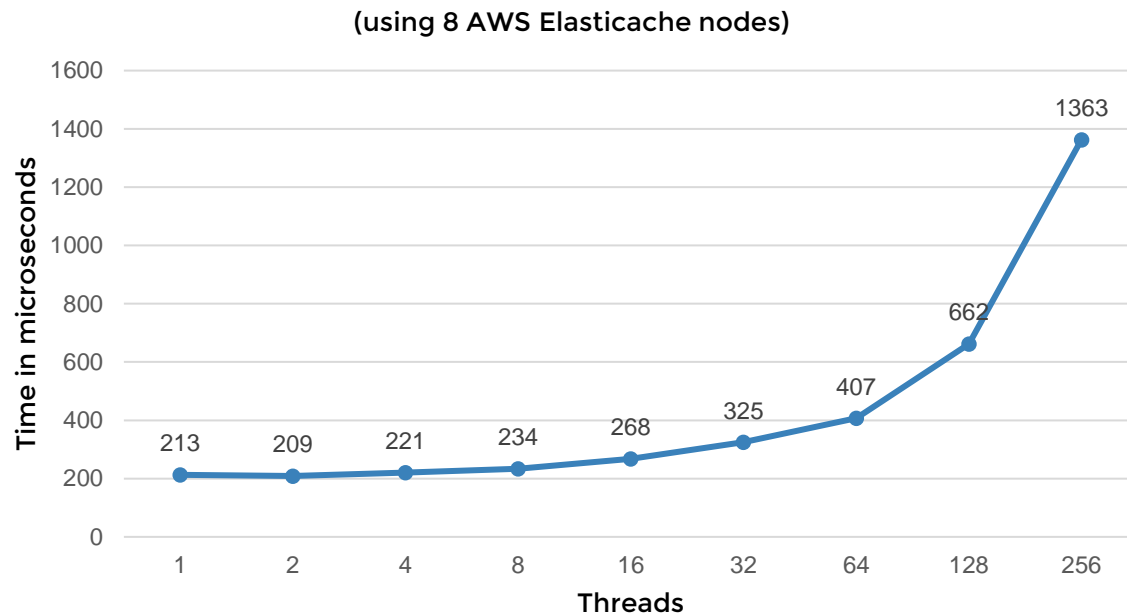
REDISSON COMMUNITY EDITION

(using 8 AWS ElastiCache nodes)



OVERALL **EXECUTION TIME**

REDISSON COMMUNITY EDITION



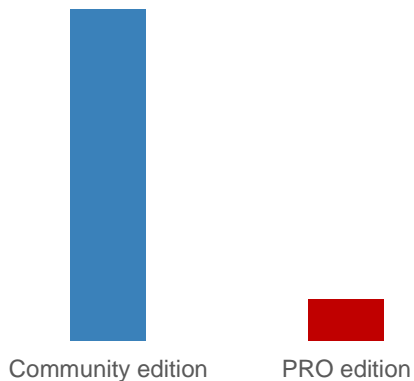
REDISSON PRO

REDUCES YOUR HOSTING COSTS

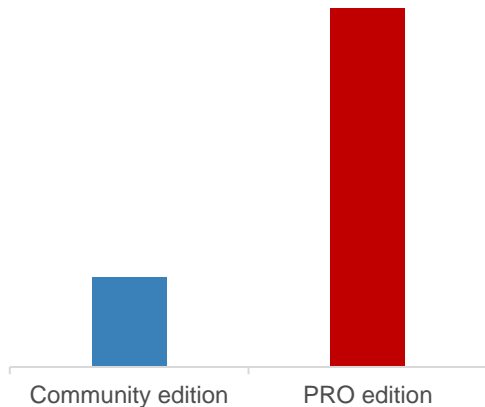
AWS Elasicache node type	Reduced hosting costs per month	Reduced hosting costs per year	Reduced nodes amount
cache.m3.medium	\$526,33	\$6315,96	7
cache.m3.large	\$1103,76	\$13245,12	7
cache.m3.xlarge	\$2207,52	\$26490,24	7
cache.m3.2xlarge	\$4333,28	\$51999,36	7
cache.m4.large	\$950,46	\$11405,52	7
cache.m4.xlarge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

SUMMARY

REDUCES HOSTING
COSTS UP TO **8X**



FASTER UP TO **4X**



TENS OF THOUSAND SAVED FROM YOUR OPERATIONAL
COST WITH REDISSON PRO

TRUSTED BY
INDUSTRY LEADERS
FROM **FORTUNE 100**
AND **FORTUNE GLOBAL 500**

THANK YOU!

<https://redisson.pro>