Redis总结

服务器配置：

Redis配置数据：

内存(8G)

生产线程(10)

消费线程(1)

生产消息个数(1,000,000)

|  |  |  |  |
| --- | --- | --- | --- |
| 消息大小  存储方式 | RDB | AOF | |
| 生产速率(个/秒) | | |
| 1K | 65295 | | 47587 |
| 5K | 45012 | | 26028 |
| 10K | 29482 | | 16912 |
| 20K | 17722 | | 10378 |
| 50K | 8287 | | SocketTimeoutException |

生产消费同时进行(1,000,000)

1000000000

|  |  |  |  |
| --- | --- | --- | --- |
| 消息大小  存储方式 | RDB | | AOF |
| 生产/消费速率(个/秒) | | |
| 1K | 58792/12411 | 46637/10834 | |
| 5K | 42587/8286 | 22595/6710 | |
| 10K | 24568/9410 | 16989/6346 | |
| 20K | 15723/7520 | 6713/5410 | |
| 50K | 9165/6435 | SocketTimeoutException | |

生产消息个数(1,000,000)

Redis配置

内存(4G)

1000000000

|  |  |  |  |
| --- | --- | --- | --- |
| 消息大小  存储方式 | RDB(60s/10000) | | AOF |
| 生产/消费速率(个/秒) | | |
| 1K | 56195/12430 |  | |
| 5K | 40596/11527 |  | |
| 10K | 23668/9929 |  | |
| 20K | 16362/7783 |  | |
| 50K | 9019/5347 |  | |

对象的处理：

Redis配置

内存(4G)

1000000000

|  |  |  |  |
| --- | --- | --- | --- |
| 消息大小  存储方式 | RDB | | AOF |
| 生产/消费速率(个/秒) | | |
| 1K | 50448/7784 | 38045/7242 | |
| 5K | 32427/9018 | 20935/6522 | |
| 10K | 25044/7182 | 15261/5280 | |
| 20K | 15958/7278 |  | |
| 50K | 9076/5729 |  | |

字符串处理spring

1000000000

|  |  |  |  |
| --- | --- | --- | --- |
| 消息大小  存储方式 | RDB | | AOF |
| 生产/消费速率(个/秒) | | |
| 1K | 54303/11496 |  | |
| 5K | 42112/10692 |  | |
| 10K | 28037/9135 |  | |
| 20K | 19041/8977 |  | |
| 50K | 10166/6282 |  | |