

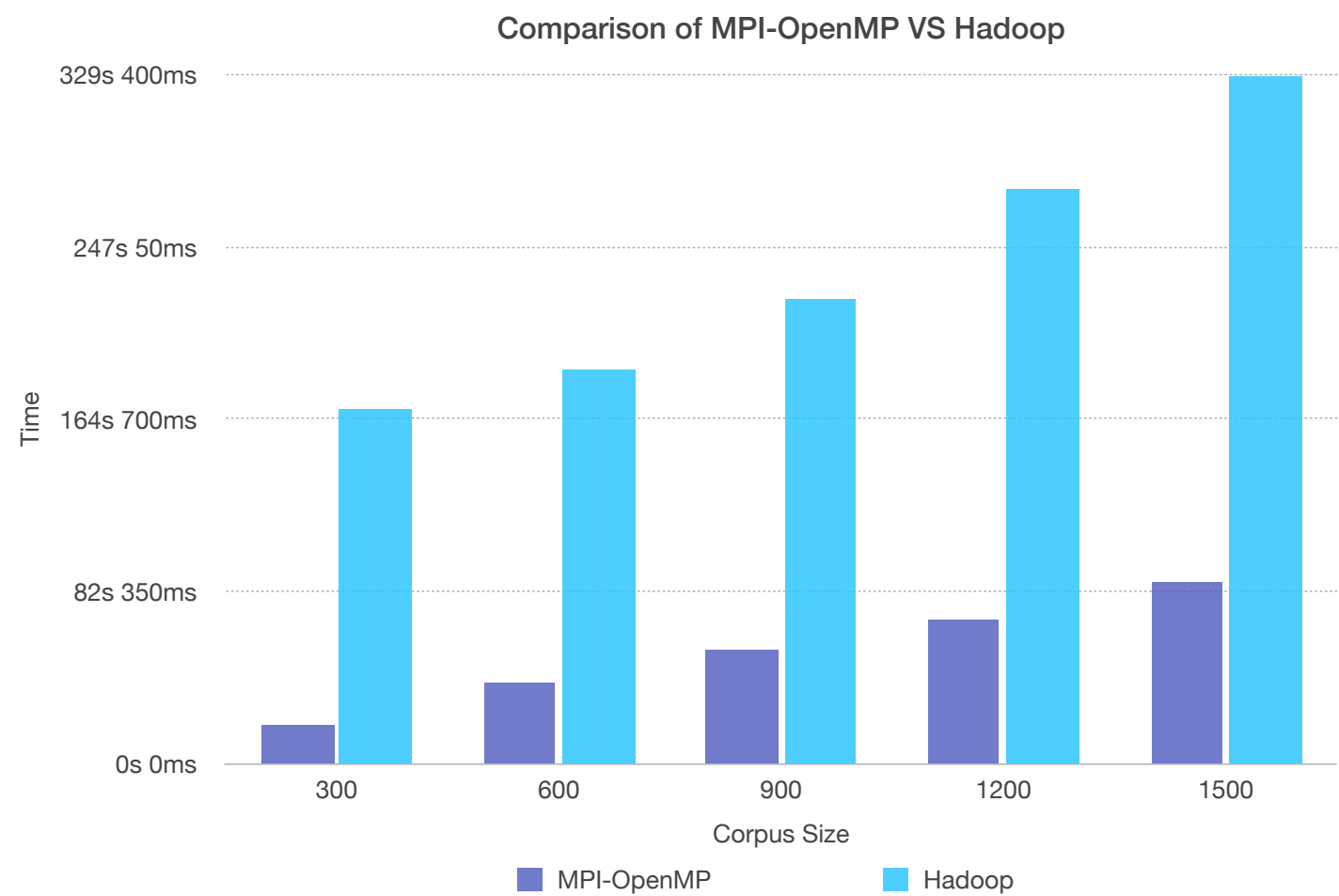
Comparison of MPI-OpenMP and MapReduce

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Comparison of MPI-OpenMP VS Hadoop

| DESCRIPTION | 300 | 600 | 900 | 1200 | 1500 |
|-------------|------------|------------|------------|------------|------------|
| MPI-OpenMP | 18s 494ms | 39s 178ms | 54s 146ms | 68s 182ms | 86s 376ms |
| Hadoop | 169s 367ms | 188s 886ms | 221s 657ms | 274s 656ms | 329s 309ms |



Time Distributon for each MapReduce Job

| DESCRIPTION | 300 | 600 | 900 | 1200 | 1500 |
|------------------|------------|------------|------------|------------|------------|
| Phrase Frequency | 115s 198ms | 129s 858ms | 173s 921ms | 225s 73ms | 276s 638ms |
| TFIDF | 17s 609ms | 21s 9ms | 17s 563ms | 18s 470ms | 20s 584ms |
| Filter Phrases | 18s 795ms | 19s 60ms | 15s 604ms | 15s 622ms | 17s 547ms |
| Filter Documents | 17s 766ms | 18s 959ms | 14s 569ms | 15s 491ms | 14s 539ms |
| Total Time | 169s 367ms | 188s 886ms | 221s 657ms | 274s 656ms | 329s 309ms |

