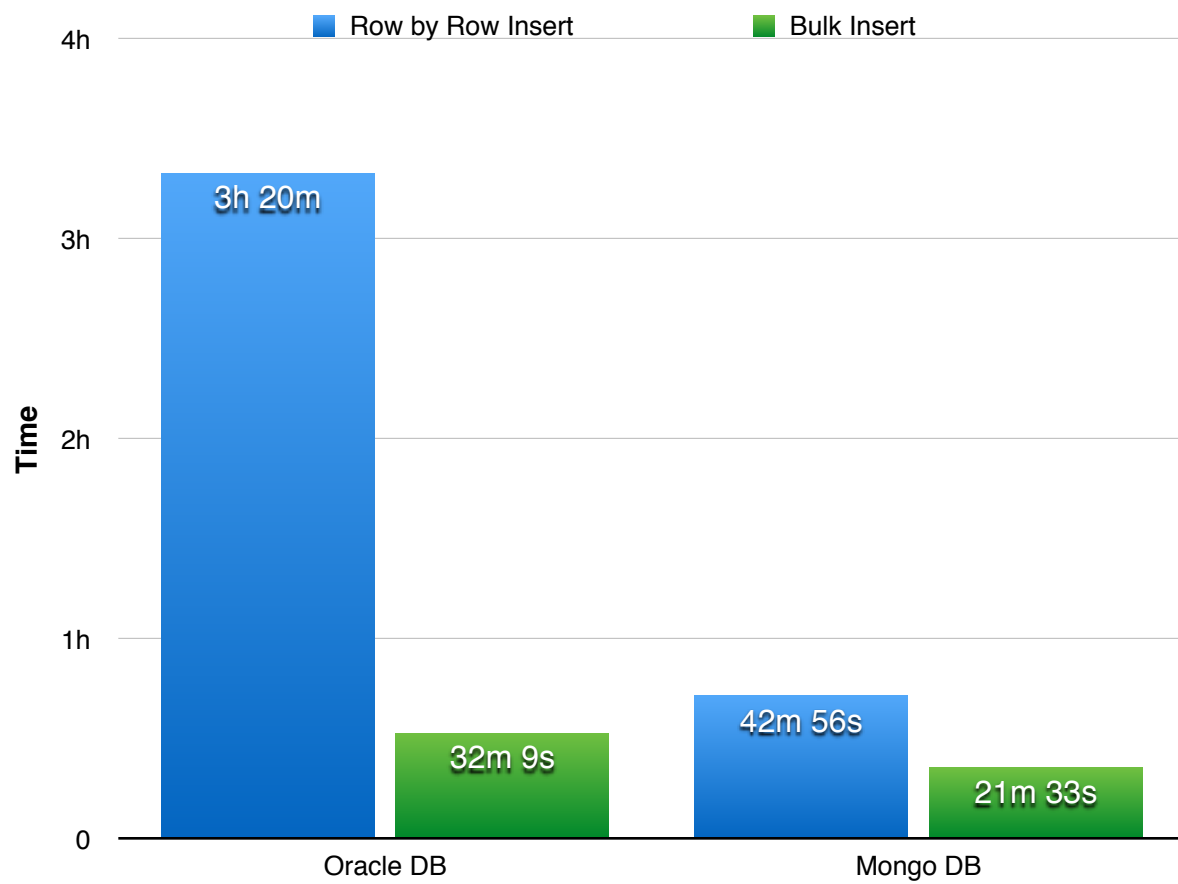
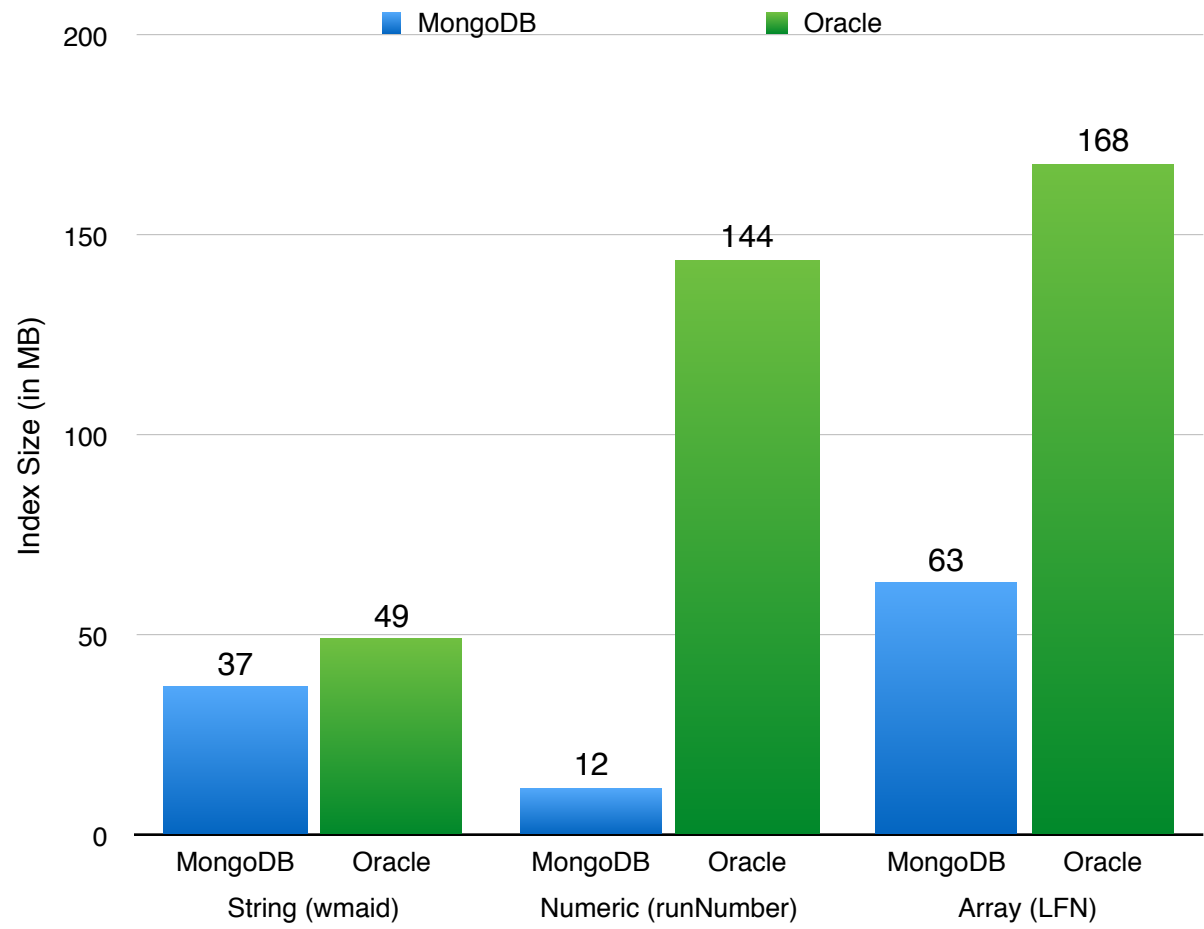


## Comparison for inserting 1 Million JSON documents Each File Size : ~12kB



Comparison of Index Sizes for different fields (strings, numeric, arrays)



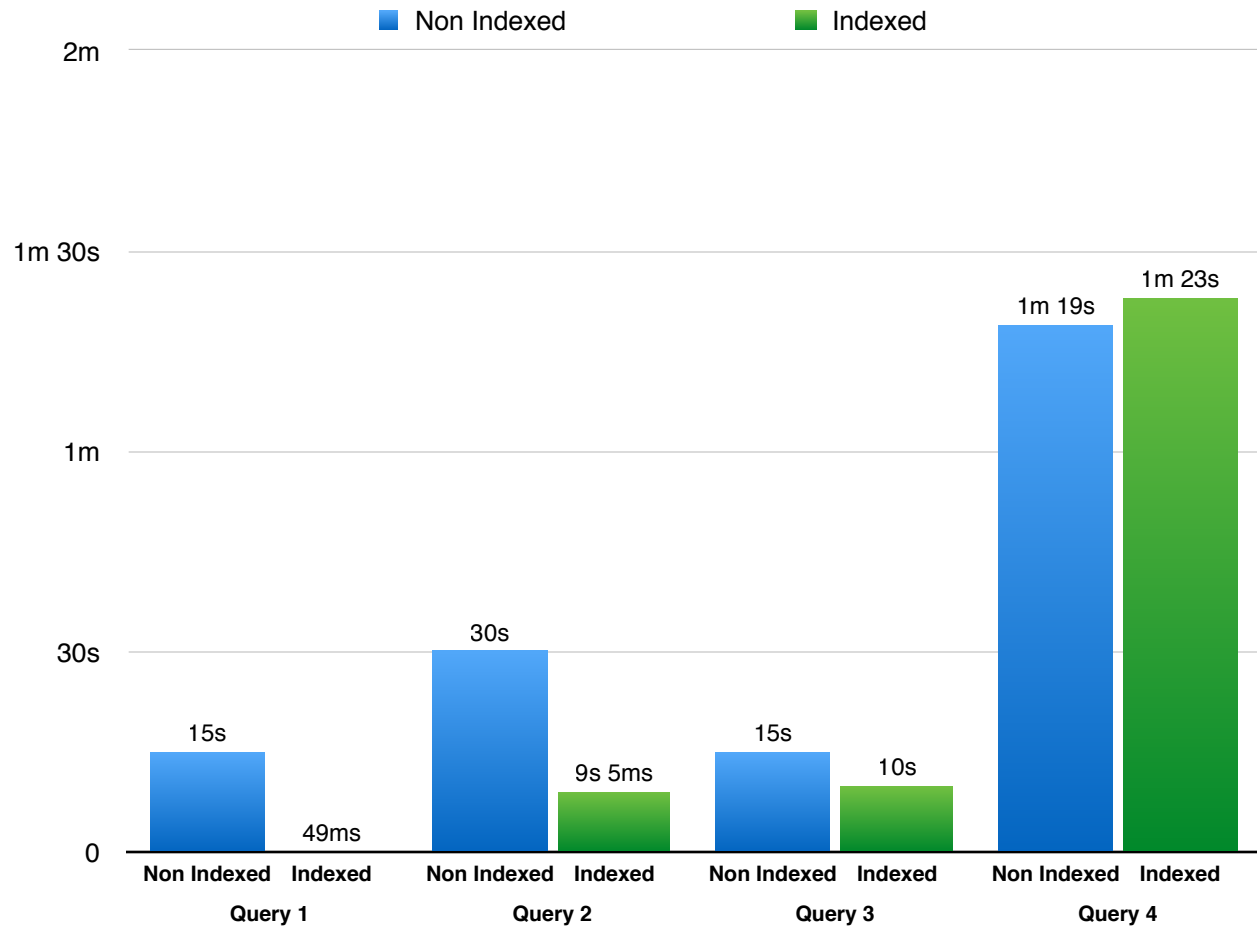
## MongoDB Query Timing

Query1 : db.production.find({'PFNArray':'root://test.ch/Run123/file0.root'})

Query2 : db.production.find({'steps.output.runs.runNumber':2})

Query3 : db.production.find({'steps.site':'T2\_US\_FNAL\_Disk'})

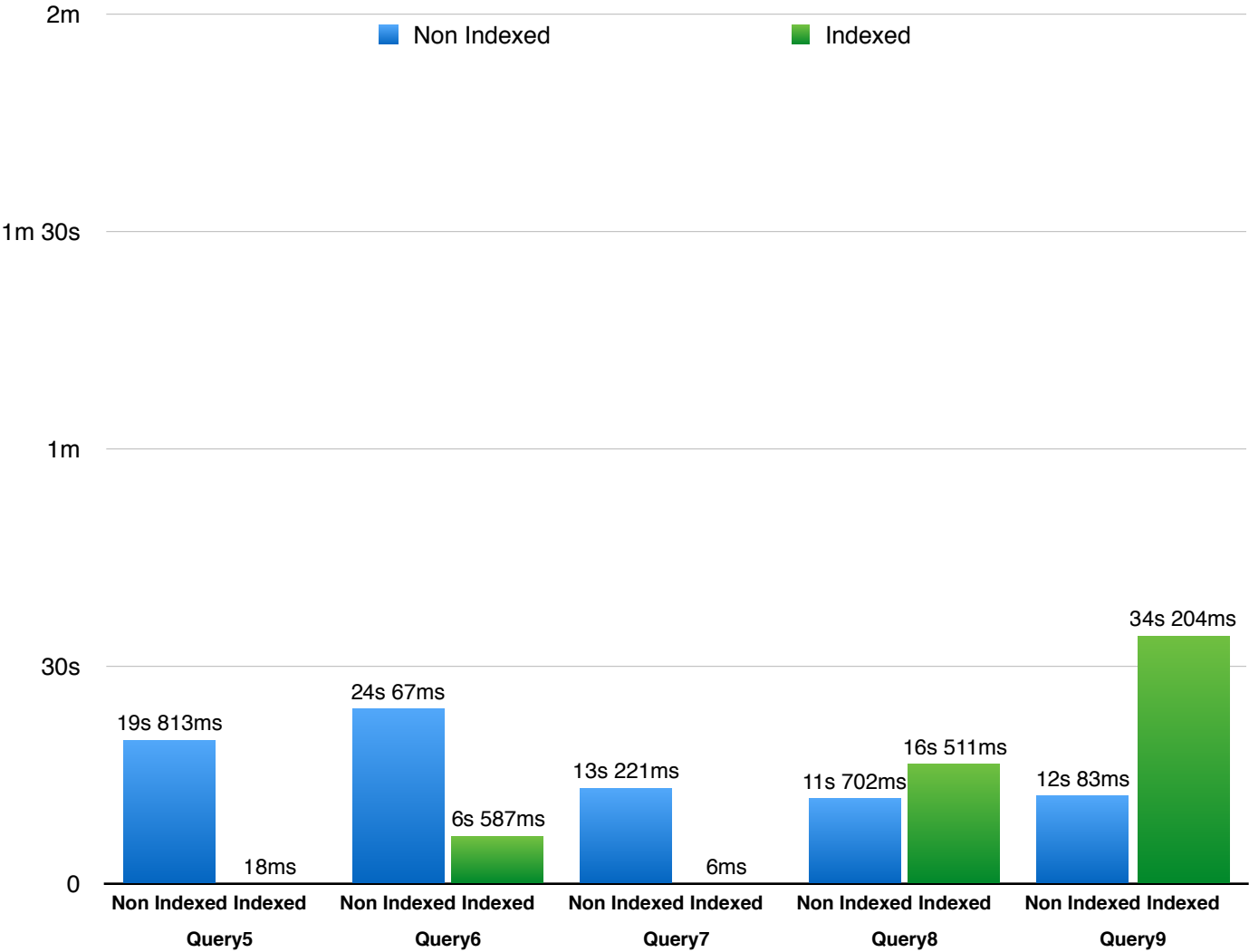
Query4 : db.production.aggregate({'group' : { 'sum', 'avg', 'max' } })



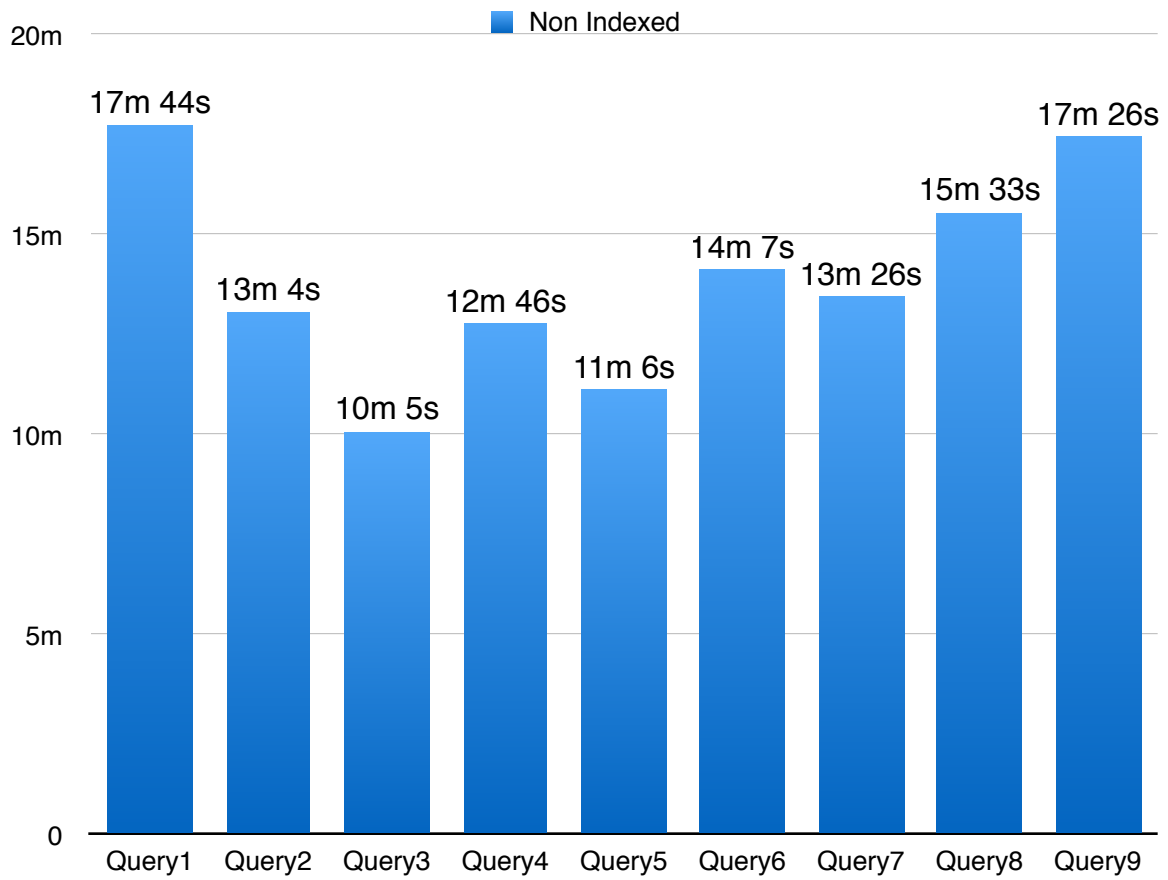
MongoDB Query Timing

MongoDB Query Timing

```
Query5 : db.production.find({'wmaid':' '})
Query6 : db.production.find({'PFNArray':{'$regex':'^root://test.ch/Run214/'}}))
Query7 : db.production.find({'LFNArray':{'$regex':'^/store/mc/Run727/'}}))
Query8 : db.production.find({'$or':
    [{"PFNArray": {"$regex" : "^root://test.ch/Run430/" }},
    {"LFNArray": {"$regex" : "^/store/mc/Run121/" } } ] })
Query9 : db.production.find({'steps.performance.storage.writeTotalMB':
    {"$gte": 200,"$lte":250} })
```

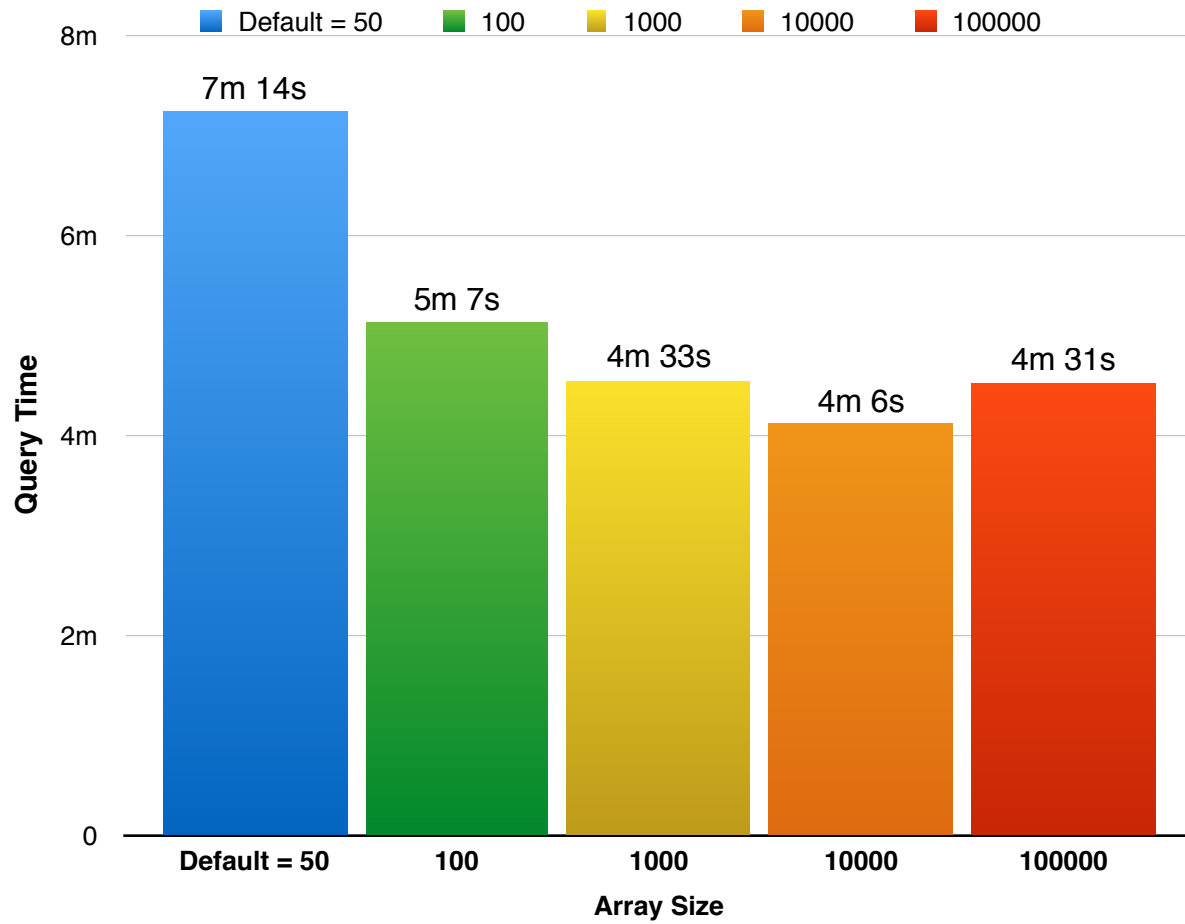


## OracleDB Non Indexed Queries Execution Time



## Variation of Query Time with cursor.arraySize

QUERY = SELECT test.doc.wmaid FROM testDocument test



## OracleDB - Single vs Bulk Insert (10000 documents)

