Pruebas de rendimiento del servidor.

Estas pruebas de rendimiento se desarrollaron para conocer las limitaciones de la base de datos del servidor y conocer cuáles eran los tiempos de espera máximos para las consultas más pesadas. La prueba se llevó acabo por Alejandro el sábado 12 de abril de 2014, a las 22:06:37.

Los resultados de las mismas son los siguientes:

- Para ver el rendimiento de la CPU:

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                                    alex@ehc: ~
et
alex@ehc:~$ sysbench --test=cpu --cpu-max-prime=20000 run
sysbench 0.4.12: multi-threaded system evaluation benchmark
Running the test with following options:
Number of threads: 1
Doing CPU performance benchmark
Threads started!
Done.
Maximum prime number checked in CPU test: 20000
Test execution summary:
   total time:
                                         116.3164s
    total number of events:
                                         10000
    total time taken by event execution: 116.2992
    per-request statistics:
        min:
                                               2.52ms
        avg:
                                              11.63ms
                                              87.99ms
        max:
         approx. 95 percentile:
                                              68.38ms
Threads fairness:
                                  10000.0000/0.00
    events (avg/stddev):
    execution time (avg/stddev): 116.2992/0.00
alex@ehc:~$
```

Estudio de concurrencia de consultas:

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                                    alex@ehc: ~
mysqlslap: Error when connecting to server: 1049 Unknown database 'mysqlslap'
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alex@ehc:~$ mysqlslap --user=alex --password=alex --auto-generate-sql --concurr
ency=50 --iterations=10
Benchmark
       Average number of seconds to run all queries: 0.813 seconds
       Minimum number of seconds to run all queries: 0.365 seconds
       Maximum number of seconds to run all queries: 1.598 seconds
       Number of clients running queries: 50
       Average number of queries per client: 0
alex@ehc:~$
```

- Para latencias de entrada y salida (acceso a disco):

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                                   alex@ehc: ~
Block size 16Kb
Number of random requests for random IO: 0
Read/Write ratio for combined random IO test: 1.50
Periodic FSYNC enabled, calling fsync() each 100 requests.
Calling fsync() at the end of test, Enabled.
Using synchronous I/O mode
Doing random r/w test
Threads started!
Time limit exceeded, exiting...
Done.
Operations performed: 127020 Read, 84680 Write, 270869 Other = 482569 Total
Read 1.9382Gb Written 1.2921Gb Total transferred 3.2303Gb (11.024Mb/sec)
 705.54 Requests/sec executed
Test execution summary:
   total time:
                                        300.0537s
   total number of events:
                                        211700
   total time taken by event execution: 38.4378
   per-request statistics:
        min:
                                              0.00ms
                                              0.18ms
        avg:
        max:
                                            197.14ms
        approx. 95 percentile:
                                              0.47ms
Threads fairness:
   events (avg/stddev):
                                 211700.0000/0.00
    execution time (avg/stddev): 38.4378/0.00
alex@ehc:~$
```