

PgBadger

You know pgFouine?

A PHP script that gathers statistics from your log files...

PgBadger

So you know its limitations :

- PHP language
 - Slow
 - Lots of memory used
- Discontinued?
- No report on last PostgreSQL log entries
 - Checkpoints, temporary files, locks, autovacuum

PgBadger

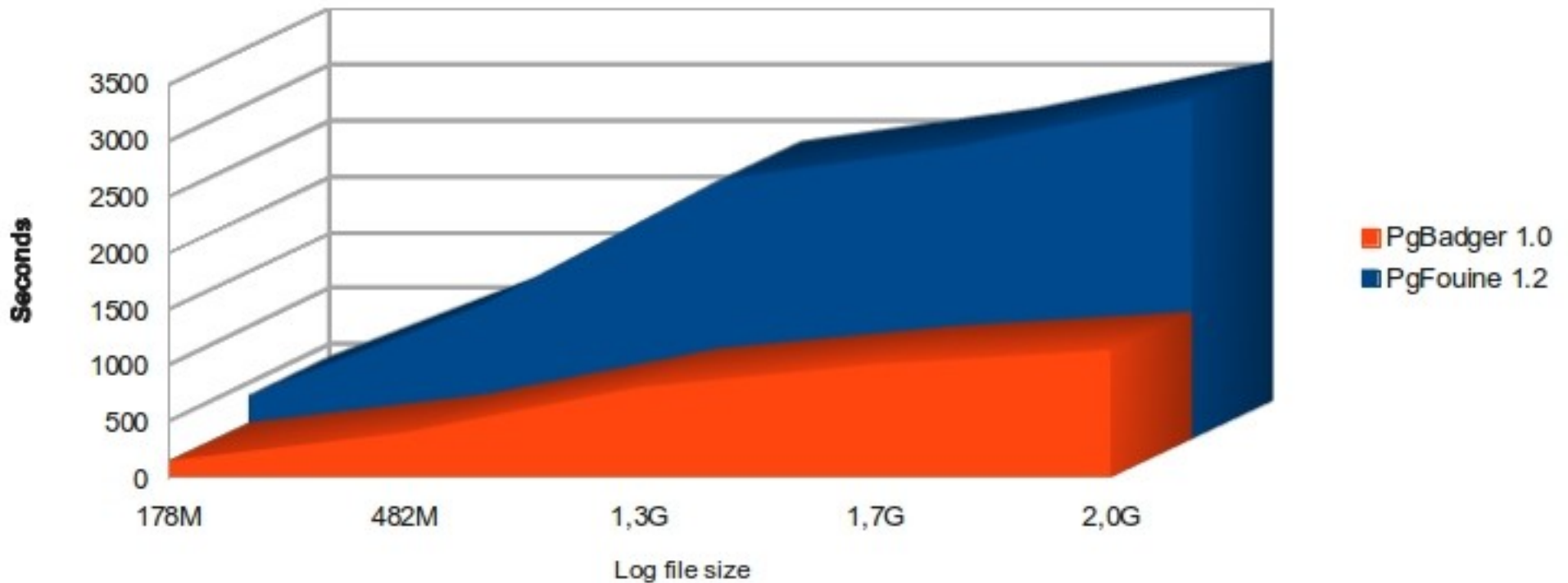
Here is pgBadger

- Same output as pgFouine
- Written in Perl
- Additional reports (locks, temporary files, sessions, connections, checkpoints)
- Up to 3 times faster !

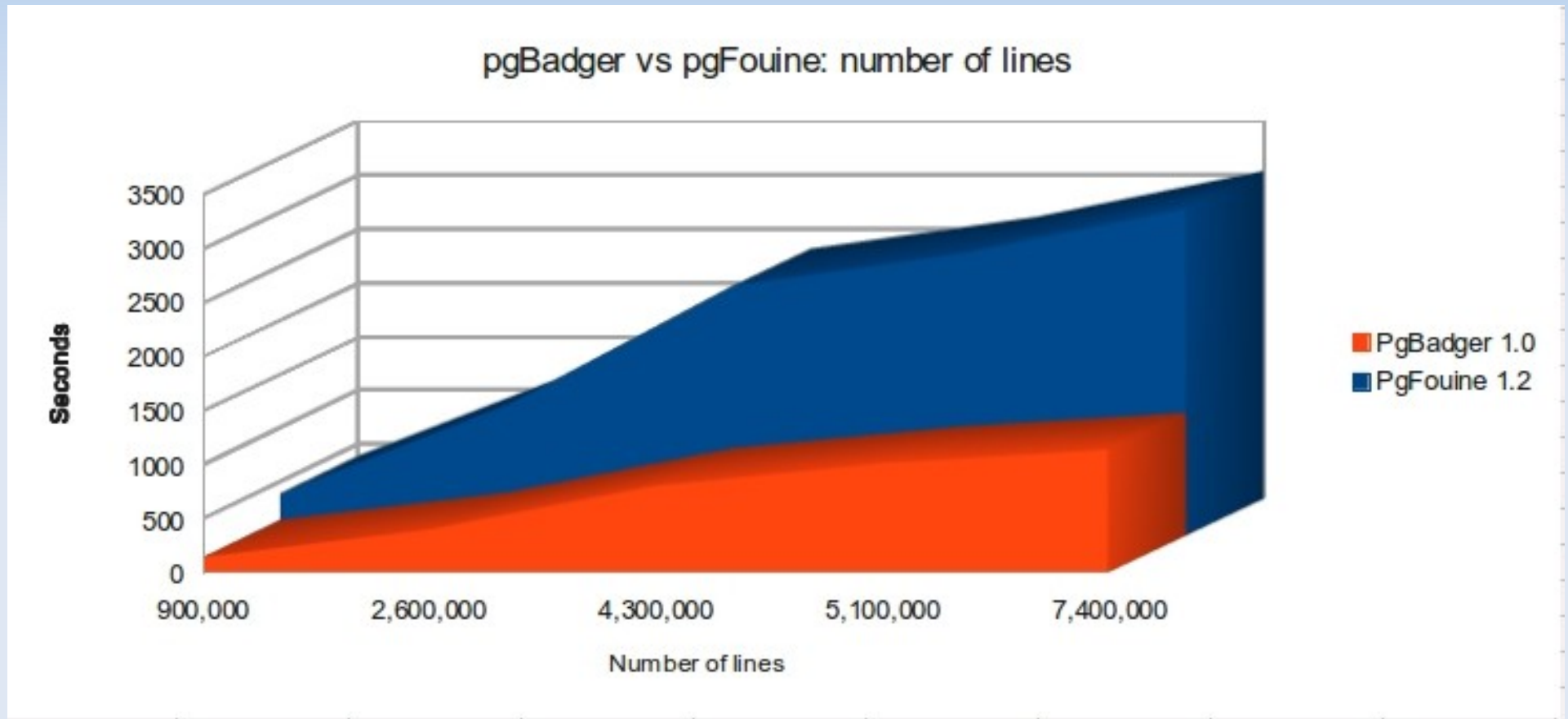
PgBadger

Performances Dual Core E8400 @ 3.00GHz

pgBadger vs pgFouine: file size

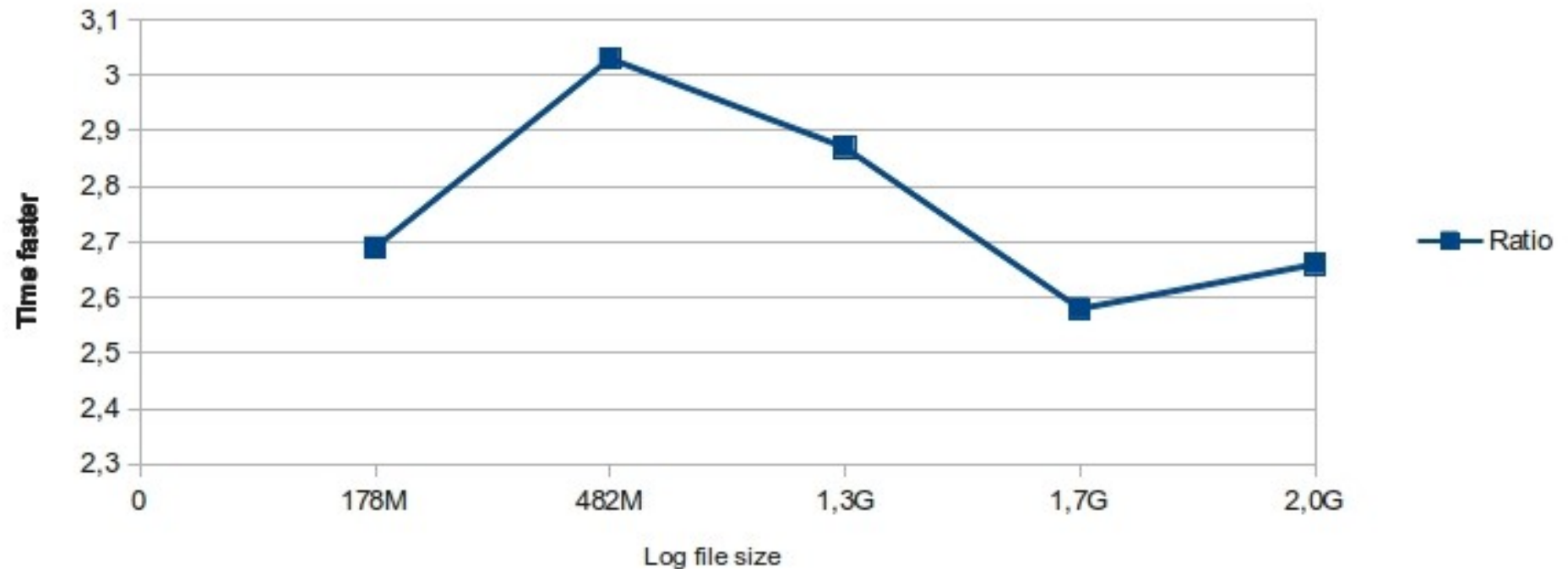


PgBadger



PgBadger

Performances pgBadger vs pgFouine



PGBadger

Go get it here:

<https://github.com/dalibo/pgbadger>

PgBadger

23	5,104	0.71s	2,847	1.28s	0	0	0	0.00s	0	0	0	0	0	0	0	0	0	0	Table of contents
----	-------	-------	-------	-------	---	---	---	-------	---	---	---	---	---	---	---	---	---	---	-------------------

PgBadger: PostgreSQL log analyzer report

[All statistics](#) |
 [Hourly statistics](#) |
 [Queries by type](#) |
 [Sessions per database](#) |
 [Sessions per user](#) |
 [Sessions per host](#) |
 [Connections per database](#) |
 [Connections per user](#) |
 [Connections per host](#) |
 [Slowest queries](#) |
 [Queries that took up the most temp](#) |
 [Most frequent queries \(N\)](#) |
 [Slowest queries \(N\)](#) |
 [Most frequent errors \(N\)](#)

Normalized reports are marked with a "(N)".

Generated on Wed May 2 13:56:26 2012
 Log file: 2012-03-20_pm.log
 Read 976,092 log entries in 1m55.00s
 Log start from 2012-03-20 12:00:00 to 2012-03-20 23:47:38

All statistics ^

Number of unique normalized queries: 1,048 Number of queries: 940,278 Avg query duration: 12h43m57.35s Start query: 2012-03-20 12:00:00 End query: 2012-03-20 23:47:38 Query peak: 1,783 queries/s at 2012-03-20 18:47:47 Number of errors: 106 Number of unique normalized errors: 9	<ul style="list-style-type: none"> ■ Number temporary files: 320 ■ Max size of temporary file: 52,903,936 ■ Average size of temporary file: 165,324.80 ■ Total number of sessions: 11432 ■ Total duration of sessions: 2d1h20m51.66s ■ Average duration of sessions: 15.54s ■ Total number of connections: 11424
--	---

Hourly statistics ^

Hour	Time	Queries		SELECT queries		Write queries				Temporary files		Checkpoints						Total time
		Count	Av. duration (s)	Count	Av. duration (s)	INSERT	UPDATE	DELETE	Av. duration (s)	Count	Av. size	Wrote buffers	Added	Removed	Recycled	Write time (sec)	Sync time (sec)	
00	12	147,899	0.01s	79,010	0.01s	3,499	34	224	0.00s	10	4,710,994.20	1,781	0	0	1	350.251	0.218	30
01	13	96,243	0.06s	54,533	0.10s	173	401	116	0.00s	0	0	421	0	0	0	83.686	0.062	8
02	14	89,621	0.06s	51,606	0.10s	185	175	85	0.00s	1	9,551,872.00	473	0	0	1	93.639	0.016	9
03	15	127,451	0.04s	71,627	0.08s	2,956	105	21	0.00s	143	3,795,344.76	1,279	0	0	0	257.78	0.032	25
04	16	170,417	0.02s	95,787	0.04s	1,098	118	27	0.00s	54	4,688,218.44	1,874	0	0	2	378.924	0.203	3
05	17	133,486	0.04s	71,835	0.07s	2,420	63	25	0.00s	112	3,541,969.86	2,253	0	0	1	455.657	0.328	45
06	18	89,618	0.05s	48,547	0.09s	70	16	0	0.00s	0	0	121	0	0	0	23.36	0.048	2
07	19	43,210	0.09s	23,321	0.17s	57	137	33	0.00s	0	0	278	0	0	0	55.283	0.016	5
08	20	228	16.86s	133	28.90s	0	0	0	0.00s	0	0	30	0	0	0	5.28	0.094	
09	21	23,881	0.08s	13,411	0.14s	4	0	0	0.00s	0	0	12	0	0	0	2.234	0	
10	22	18,120	0.10s	9,855	0.19s	4	0	0	0.00s	0	0	13	0	0	0	2.438	0.015	
11	23	5,104	0.71s	2,847	1.28s	0	0	0	0.00s	0	0	0	0	0	0	0	0	

PgBadger: PostgreSQL log analyzer report

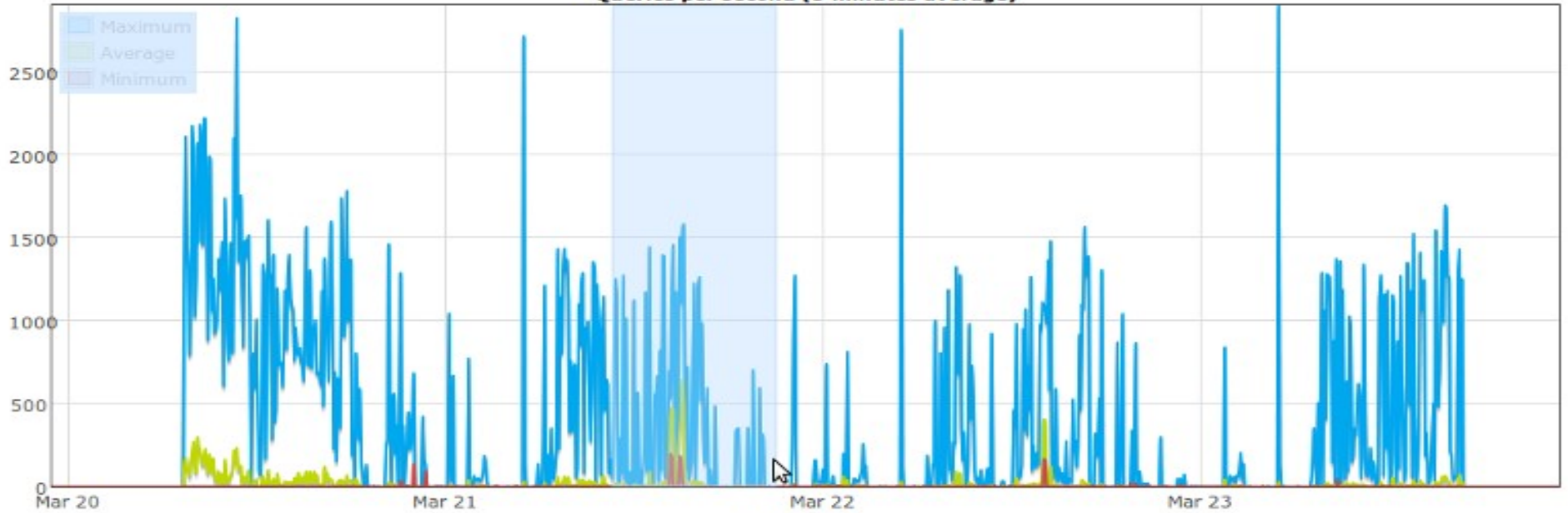
PgBadger

Most frequent errors (N) ^

Rank	Times reported	Error
1	<u>63</u>	ERROR: syntax error at or near "..." Show examples
2	<u>38</u>	ERROR: relation "..." does not exist Show examples
3	<u>36</u>	ERROR: missing FROM-clause entry for table "..." Show examples
4	<u>28</u>	WARNING: nonstandard use of \\ in a string literal Show examples
5	<u>9</u>	ERROR: invalid input syntax for integer: "..." Show examples
6	<u>7</u>	ERROR: syntax error at end of input Show examples
7	<u>6</u>	ERROR: invalid input syntax for type date: "..." Show examples
8	<u>4</u>	ERROR: column "..." does not exist Hide examples ERROR: column "x" does not exist at character 124 <i>Detail: INSERT INTO agribd.tbl_actions_plots (id_action, id_plt, id_obs, id_type_action, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs) VALUES (DEFAULT, 84062, x, ' ', CURRENT_TIMESTAMP) RETURNING id_action</i> ERROR: column "o" does not exist at character 144 <i>Detail: INSERT INTO agribd.tbl_observations_plots (id_plt, id_user, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs, id_obs) VALUES (83079, 2870, 2706, 0, '20-07-2012', CURRENT_TIMESTAMP)</i> ERROR: column "undefined" does not exist at character 91 <i>Detail: UPDATE agribd.tbl_users_plots SET id_user = 2150</i>
9	<u>4</u>	ERROR: duplicate key value violates unique constraint "..." Show examples
10	<u>1</u>	WARNING: nonstandard use of \' in a string literal

PgBadger

Queries per second (5 minutes average)



All queries

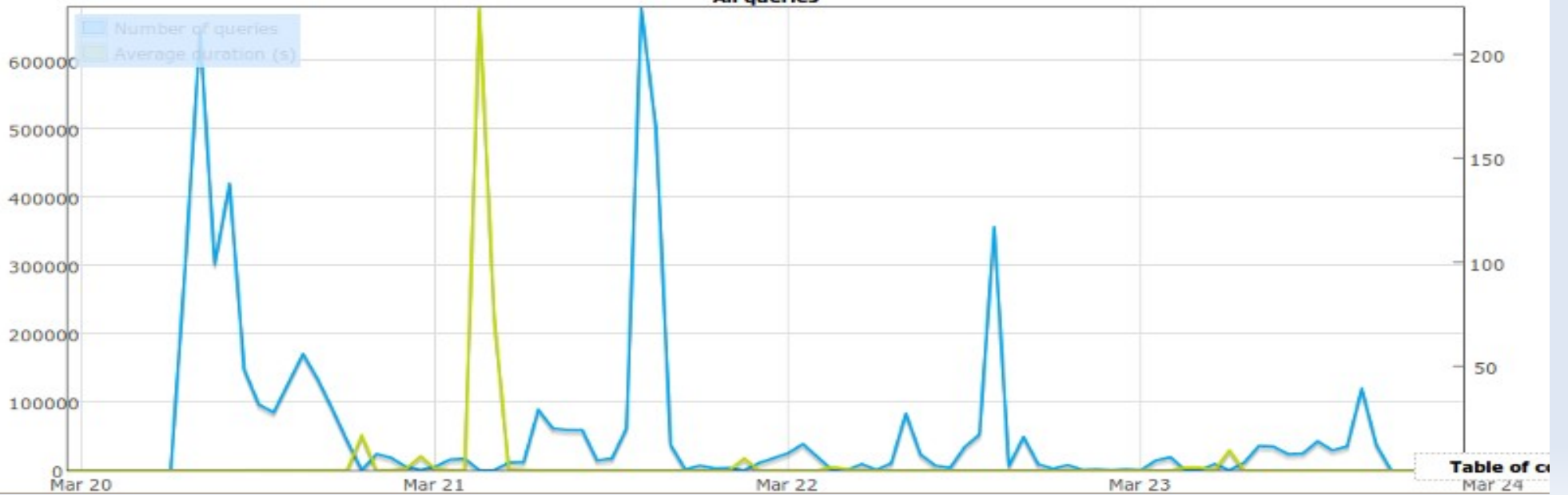
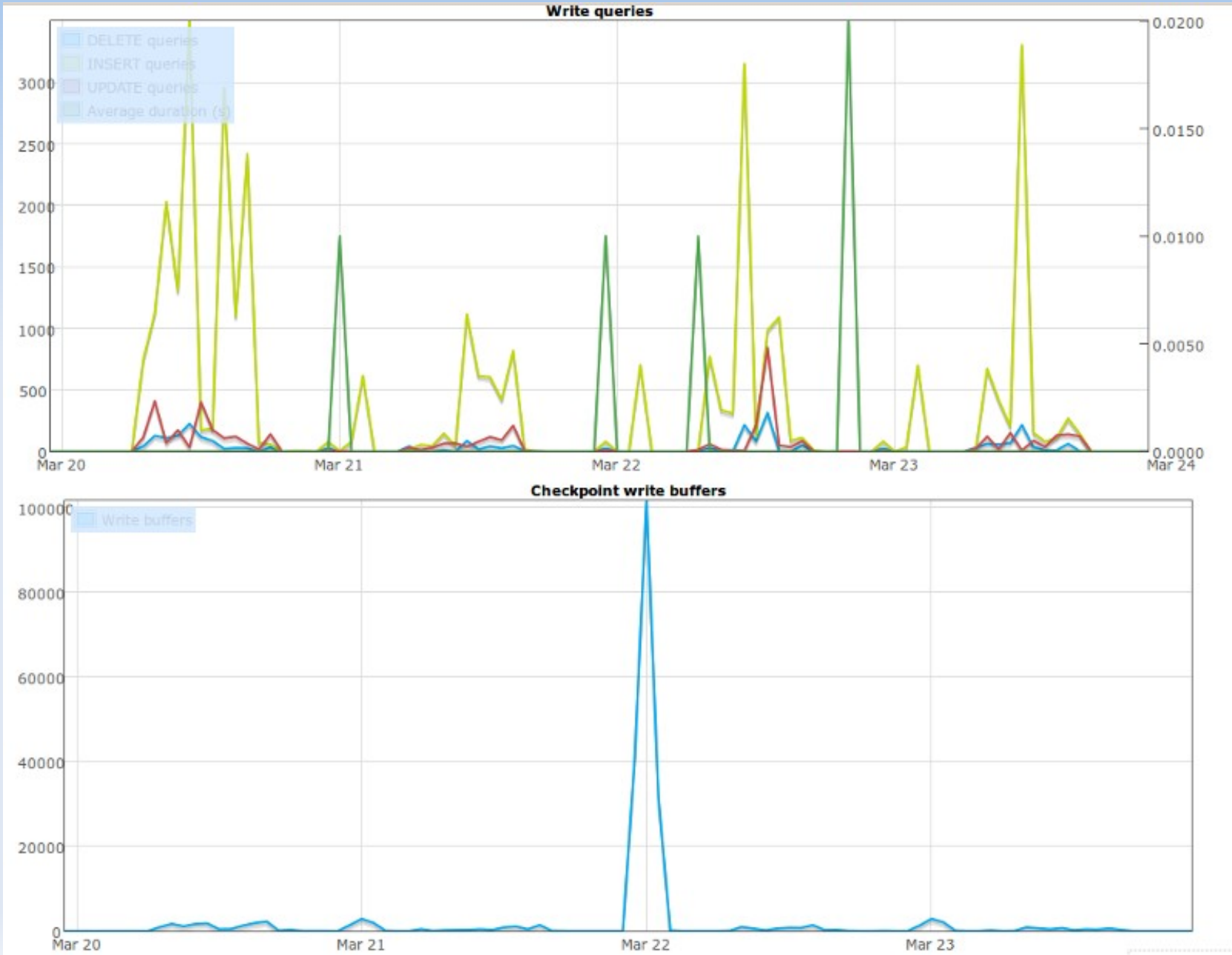
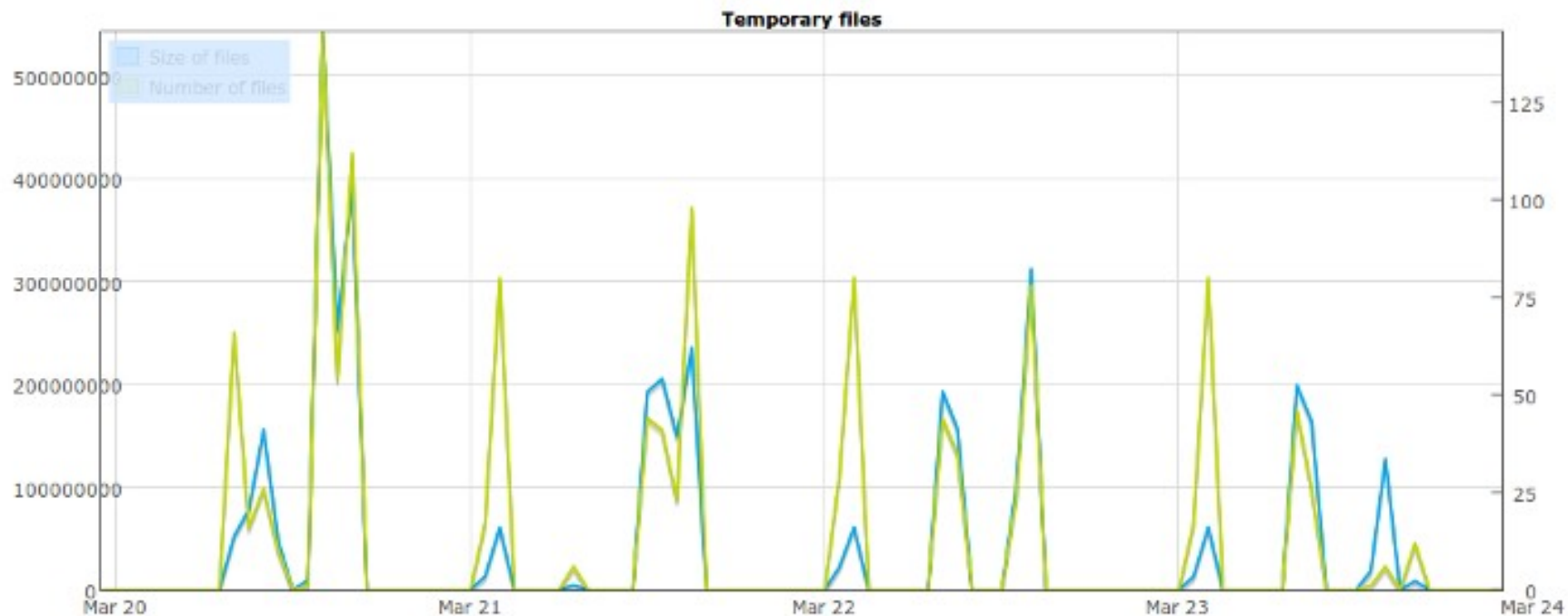


Table of contents
Mar 24

PgBadger

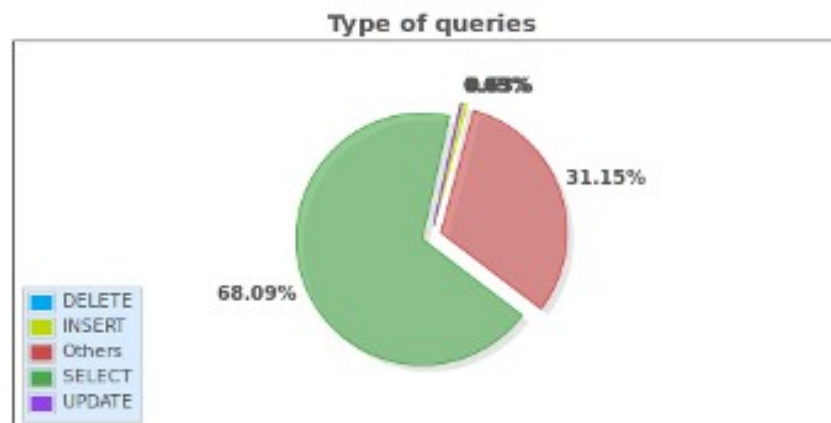


PgBadger



Queries by type ^

Type	Count	Percentage
SELECT	3,717,439	68.09%
INSERT	34,259	0.63%
UPDATE	4,753	0.09%
DELETE	2,515	0.05%
OTHERS	1,700,900	31.15%



PGBadger

Go get it here:

<https://github.com/dalibo/pgbadger>