

Admins - Demande #3773

Augmenter les ressources de la VM adl

17/06/2019 10:35 - Christian P. Momon

Statut:	Fermé	Début:	17/06/2019
Priorité:	Normale	Echéance:	
Assigné à:	Christian P. Momon	% réalisé:	0%
Catégorie:		Temps estimé:	0.00 heure
Version cible:	Été 2019	Temps passé:	0.00 heure
Difficulté:	2 Facile		
Description			
Pendant l'April camp de juin, Echarp nous a remonté que le mysql de la VM adl avait parfois des soucis en pic de charge. Le site web agendadulibre.org connait un véritable engouement, tant de webonautes que de bots. Demande/suggestion : <ul style="list-style-type: none">• augmenté un petit peu la mémoire (avait été diminué lors d'une revue des VM) ;• passer de 1 à 2 processeurs.			
Demandes liées:			
Lié à Admins - Demande #3551: Configurer nginx@bastion pour limiter les requêtes		En cours de traitement	

Historique

#1 - 17/06/2019 10:37 - Christian P. Momon

Configuration actuelle :

- MemTotal: 2 052 448 kB ;
- CPU : 1.

#2 - 20/06/2019 01:30 - Christian P. Momon

Ajout d'un fichier cron (*/etc/cron.d/cpmlog*) pour mettre en log quelques infos : charge moyenne (LOADAVG), mémoire libre (MEMFREE), mémoire disponible (MEMAVAILABLE), nombre de processus Ruby.

Mesure temporaire et non nominale pour mieux comprendre les problèmes de charge.

#3 - 01/07/2019 00:31 - Christian P. Momon

- Lié à Demande #3551: Configurer nginx@bastion pour limiter les requêtes ajouté

#4 - 03/07/2019 21:41 - Christian P. Momon

- Statut changé de Nouveau à En cours de traitement

Sur IRC#april-admin le 03/07/2019 :

```
21:09 -- vivivi[2] is now known as vivivi[3]
[...]
21:21 < cpm_screen> !list
21:21 < vivivi[3]> 3 problemes enregistres
21:21 < vivivi[3]> [00] bastion:Check Secure Web www.agendadulibre.org is CRITICAL: HTTP CRITICAL - Invalid HT
TP response received from host on port 443: HTTP/1.1 503 Service Unavailable
```

En allant sur <https://www.agendadulibre.org/> :

```
This website is under heavy load (queue full)
```

We're sorry, too many people are accessing this website at the same time. We're working on this problem. Please try again later.

En allant sur la vm adl :

```
top - 21:35:14 up 14 days, 22:06, 1 user, load average: 0,62, 1,39, 1,63
Tasks: 103 total, 1 running, 102 sleeping, 0 stopped, 0 zombie
%Cpu(s): 18,5 us, 5,1 sy, 0,0 ni, 73,5 id, 2,8 wa, 0,0 hi, 0,0 si, 0,1 st
KiB Mem : 2052448 total, 231260 free, 1272724 used, 548464 buff/cache
KiB Swap: 974844 total, 970468 free, 4376 used. 597608 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
15147	mysql	20	0	650116	111072	16924	S	93,8	5,4	0:50.88	mysqld

Action : redémarrage du service mysqld et ça refonctionne.

#5 - 03/07/2019 22:30 - Christian P. Momon

Consolidation des logs spécifiques mises en place (une ligne par minute) :

	UPTIME	MEMTOTAL	MEMFREE	MEMAVAIL	RUBYCOUNT	HTTTPALL	HTTTPBOT	HTTTPHUM	HTTPTOPIP	
2019-07-03-210001	0.56	2052448	93472	478632	3	62	57	5	20	
2019-07-03-210101	0.50	2052448	92880	478384	3	96	69	27	21	
2019-07-03-210201	0.79	2052448	92152	477752	3	105	87	18	25	
2019-07-03-210301	0.69	2052448	92756	478416	3	95	66	29	23	
2019-07-03-210401	0.78	2052448	77128	401320	3	114	91	23	23	
2019-07-03-210501	1.33	2052448	150352	474728	3	114	82	32	22	
2019-07-03-210601	1.80	2052448	156832	481396	3	120	92	28	20	
2019-07-03-210701	1.56	2052448	156264	481052	3	121	74	47	24	
2019-07-03-210801	1.35	2052448	156368	481412	3	129	84	45	21	<- dé
but incident										
2019-07-03-210901	1.80	2052448	152296	477860	3	23	14	9	5	
2019-07-03-211001	1.96	2052448	144496	470312	3	1	0	1	1	
2019-07-03-211101	2.02	2052448	137576	463848	3	130	47	83	49	
2019-07-03-211201	2.04	2052448	140724	467460	3	123	74	49	22	
2019-07-03-211301	2.04	2052448	141412	468320	3	119	92	27	20	
2019-07-03-211401	2.11	2052448	141288	468332	3	119	97	22	20	
2019-07-03-211501	2.07	2052448	141072	468264	3	134	105	29	20	
2019-07-03-211601	2.06	2052448	140888	468212	3	135	103	32	20	
2019-07-03-211701	2.05	2052448	140044	467512	3	143	104	39	20	
2019-07-03-211801	2.05	2052448	140700	468292	3	133	108	25	20	
2019-07-03-211901	2.14	2052448	140608	468328	3	131	106	25	20	
2019-07-03-212001	2.08	2052448	140168	468056	3	148	112	36	20	
2019-07-03-212101	2.06	2052448	139880	467904	3	135	111	24	20	
2019-07-03-212201	2.05	2052448	135448	463620	3	128	108	20	20	
2019-07-03-212301	2.05	2052448	136444	464748	3	122	105	17	20	
2019-07-03-212401	2.10	2052448	136296	464724	3	127	111	16	17	
2019-07-03-212501	2.12	2052448	137004	465544	3	115	94	21	20	
2019-07-03-212601	2.07	2052448	139456	468124	3	115	85	30	20	
2019-07-03-212701	2.06	2052448	135048	463876	3	109	80	29	20	
2019-07-03-212801	2.05	2052448	135772	464716	3	92	86	6	20	
2019-07-03-212901	2.10	2052448	135632	464688	3	91	81	10	20	
2019-07-03-213001	2.07	2052448	126876	460812	3	98	85	13	20	
2019-07-03-213101	2.06	2052448	121644	460760	3	102	85	17	20	
2019-07-03-213201	2.05	2052448	120232	459616	3	100	86	14	20	
2019-07-03-213301	1.27	2052448	249484	615176	3	79	71	8	22	<
- rémarrage service mysqld										
2019-07-03-213401	0.69	2052448	237212	603248	3	120	75	45	25	
2019-07-03-213501	0.69	2052448	231664	597972	3	112	65	47	32	
2019-07-03-213601	0.77	2052448	227568	594024	3	112	76	36	24	
2019-07-03-213701	0.66	2052448	224120	590680	3	85	58	27	25	
2019-07-03-213801	0.66	2052448	223540	590244	3	84	75	9	23	
2019-07-03-213901	0.95	2052448	222236	589084	3	72	65	7	23	
2019-07-03-214001	0.54	2052448	107572	480968	3	73	59	14	21	
2019-07-03-214101	0.66	2052448	108808	482404	3	74	62	12	20	
2019-07-03-214201	0.42	2052448	105296	479036	3	78	65	13	21	
2019-07-03-214301	0.36	2052448	107516	481516	3	84	70	14	21	
2019-07-03-214401	0.41	2052448	107080	481284	3	78	67	11	23	
2019-07-03-214501	0.42	2052448	166844	541304	3	84	64	20	21	
2019-07-03-214601	0.35	2052448	166588	541212	3	80	69	11	20	
2019-07-03-214701	0.39	2052448	133780	525664	3	82	64	18	20	
2019-07-03-214801	0.44	2052448	134284	526320	3	86	70	16	20	
2019-07-03-214901	0.55	2052448	133412	525756	3	102	64	38	24	
2019-07-03-215001	0.38	2052448	133188	525712	3	79	69	10	21	
2019-07-03-215101	0.35	2052448	131168	524416	3	87	70	17	23	
2019-07-03-215201	0.37	2052448	127828	524020	3	81	65	16	23	

Reste à tirer quelque chose de ces informations :

- problème de mémoire ? Pas vraiment.
- surcharge CPU ? Bof.
- nombre de requêtes ? 129 par minutes serait un maximum ?
- un bot qui s'emballe ? L'ip ayant le plus de requêtes par minute ne dépasse 20 req/min, chiffre globalement constant.

Une interprétation pourrait être que le nombre de requêtes bots a été constant mais qu'il y a eu un pic de requêtes humaines amenant au maximum de requêtes traitables par le serveur.

Questions :

- est-ce que 129 requêtes par minutes est un maximum crédible ?
- quoi augmenter pour absorber un tel pic ?
- vu que ça semble ne pas être un problème de mémoire ni de nombre de CPU :
 - est-il possible/utile d'augmenter le nombre de thread mysql ?
 - est-il possible/utile d'augmenter le nombre de thread apache ?
 - est-il possible/utile d'augmenter le nombre de thread ruby ?

#6 - 04/07/2019 12:04 - Christian P. Momon

Re-problème ce matin :

	UPTIME	MEMTOTAL	MEMFREE	MEMAVAIL	RUBYCOUNT	HTTPALL	HTTPBOT	HTTPHUM	HTTPTOPIP
2019-07-04-071801	0.12	2052448	228608	751864	3	57	42	15	20
2019-07-04-071901	0.15	2052448	228492	751832	3	55	50	5	20
2019-07-04-072001	0.17	2052448	227596	751028	3	53	44	9	20
2019-07-04-072101	0.32	2052448	227444	750972	3	70	57	13	20
2019-07-04-072201	0.25	2052448	212052	735856	3	59	53	6	20
2019-07-04-072301	0.25	2052448	211900	735764	3	52	46	6	20
2019-07-04-072401	0.55	2052448	210172	734152	3	72	44	28	19
2019-07-04-072501	1.71	2052448	205728	729804	3	2	2	0	1
2019-07-04-072601	1.95	2052448	201776	725952	3	1	0	1	1
2019-07-04-072701	1.98	2052448	199016	723312	3	1	0	1	1
2019-07-04-072801	2.00	2052448	196396	720820	3	112	39	73	45
2019-07-04-072901	2.06	2052448	196092	720656	3	112	49	63	56
2019-07-04-073001	2.10	2052448	194936	719620	3	122	61	61	54
2019-07-04-073101	2.07	2052448	194764	719548	3	67	54	13	20
2019-07-04-073201	2.02	2052448	195772	720640	3	65	56	9	20
2019-07-04-073301	2.01	2052448	195672	720636	3	73	58	15	20
2019-07-04-073402	2.00	2052448	195424	720460	3	71	62	9	20
2019-07-04-073501	2.00	2052448	194552	719708	3	81	64	17	20
2019-07-04-073601	2.00	2052448	194648	719904	3	81	60	21	20
2019-07-04-073701	2.00	2052448	195580	720924	3	68	62	6	20
[...]									
2019-07-04-095401	2.05	2052448	178000	716288	3	55	47	8	20
2019-07-04-095501	2.12	2052448	176592	714988	3	74	44	30	20
2019-07-04-095601	2.07	2052448	176776	715240	3	63	51	12	20
2019-07-04-095701	2.14	2052448	177632	716148	3	56	44	12	20
2019-07-04-095801	2.08	2052448	177500	716060	3	62	46	16	20
2019-07-04-095901	2.06	2052448	177404	716028	3	64	54	10	20
2019-07-04-100001	1.74	2052448	331068	871696	3	65	53	12	20
2019-07-04-100101	1.38	2052448	312452	854020	3	117	54	63	24
2019-07-04-100201	0.89	2052448	282800	841932	3	81	55	26	20
2019-07-04-100301	0.67	2052448	278756	838300	3	73	58	15	22
2019-07-04-100401	0.24	2052448	278928	838616	3	67	52	15	20
2019-07-04-100501	0.42	2052448	268956	828864	3	77	55	22	20
2019-07-04-100601	0.35	2052448	265880	825920	3	101	65	36	20
2019-07-04-100701	0.30	2052448	263524	823684	3	115	71	44	26
2019-07-04-100801	0.50	2052448	165992	726264	3	83	64	19	20
2019-07-04-100901	0.79	2052448	177252	738056	3	106	75	31	20
2019-07-04-101001	0.54	2052448	175240	736132	3	92	78	14	20
2019-07-04-101101	0.44	2052448	171400	732380	3	91	80	11	20
2019-07-04-101201	0.42	2052448	176048	737124	3	88	82	6	21
2019-07-04-101301	0.59	2052448	166812	728000	3	115	92	23	20
2019-07-04-101401	0.37	2052448	166368	727672	3	127	104	23	20
2019-07-04-101501	0.31	2052448	155920	717292	3	102	88	14	20
2019-07-04-101601	0.56	2052448	163476	724920	3	121	84	37	23
2019-07-04-101701	0.55	2052448	164032	725636	3	124	90	34	20
2019-07-04-101801	1.14	2052448	163112	724960	3	164	91	73	31
2019-07-04-101901	0.87	2052448	125508	687540	3	144	93	51	21
2019-07-04-102001	0.75	2052448	170868	733356	3	119	89	30	20
2019-07-04-102101	0.71	2052448	159664	722608	3	116	90	26	20

#7 - 04/07/2019 12:39 - Christian P. Momon

- Version cible changé de Backlog à Été 2019

#8 - 08/07/2019 02:18 - Christian P. Momon

- Assigné à mis à Christian P. Momon

Enrichissement conf pour les logs:

```
slow_query_log
slow_query_log_file = /var/log/mysql/slow_query.log
long_query_time = 10
log_slow_rate_limit = 1000
log_slow_verbosity = query_plan
log_queries_not_using_indexes = ON
```

#9 - 21/07/2019 19:03 - Christian P. Momon

- Fichier *slow_query-20190721.log* ajouté

Suite à la configuration de log supplémentaires, analyse du fichier *slow_query.log*. Rien vu de spécial.

#10 - 10/08/2019 17:46 - Christian P. Momon

Il y a quelques temps, ajout de points de mesure sur le swap. Résultat :

```
(April) root@adl:~/Cpm# ./dopaste
          UPTIME MEMTOTAL      MEMFREE  MEMAVAIL  RUBYCOUNT  HTTPALL  HTTPBOT  HTTPHUM  HTTPTOPIP  SWAPTOT
AL SWAPFREE SWAPUSED
2019-08-10-171401 0.17 2052448 106724 435812 3 41 28 13 5 974844 964020
10824
2019-08-10-171501 0.21 2052448 105468 434732 3 40 31 9 6 974844 964020
10824
2019-08-10-171601 0.44 2052448 105408 434832 3 50 30 20 5 974844 964020
10824
2019-08-10-171701 0.48 2052448 105932 435516 3 50 28 22 5 974844 964020
10824
2019-08-10-171801 0.31 2052448 105960 435668 3 37 27 10 4 974844 964020
10824
2019-08-10-171901 0.35 2052448 105476 435412 3 46 38 8 7 974844 964020
10824
2019-08-10-172001 0.40 2052448 102296 432684 3 46 33 13 8 974844 964020
10824
2019-08-10-172101 0.41 2052448 95420 428436 3 45 31 14 6 974844 964020
10824
```

Côté log *slow_query* :

```
(April) root@adl:/var/log/mysql# grep Query_time slow_query.log
# Query_time: 0.242211 Lock_time: 0.000044 Rows_sent: 25 Rows_examined: 28675
# Query_time: 0.107672 Lock_time: 0.000053 Rows_sent: 24 Rows_examined: 17433
# Query_time: 0.114628 Lock_time: 0.000053 Rows_sent: 2 Rows_examined: 17433
# Query_time: 0.164427 Lock_time: 0.000056 Rows_sent: 24 Rows_examined: 17434
# Query_time: 0.155710 Lock_time: 0.000059 Rows_sent: 24 Rows_examined: 17434
# Query_time: 0.227035 Lock_time: 0.000045 Rows_sent: 25 Rows_examined: 29225
# Query_time: 0.198143 Lock_time: 0.000051 Rows_sent: 18 Rows_examined: 17436
# Query_time: 0.338800 Lock_time: 0.000043 Rows_sent: 25 Rows_examined: 29250
```

#11 - 10/08/2019 17:54 - Christian P. Momon

- Statut changé de *En cours de traitement* à *Attente d'information*

Puisque le swap est régulièrement impacté (environ 10 Mo), actions suivantes :

- 1) augmentation de la RAM de 256 Mo (2 052 448 kB -> 2 310 356 KB) ;
- 2) passage de 1 processeur à 2 ;
- 3) demande à echarp d'analyser les log *slow_query*.

À voir en septembre comment le site se comporte avec ces changements.

#12 - 13/08/2019 03:27 - Christian P. Momon

Constat le 12/08/2019 que mysql est en souffrance. Tentative d'investigation pendant le crash.

Firefox

Le site web répond ça :

```
This website is under heavy load (queue full)
```

```
We're sorry, too many people are accessing this website at the same time. We're working on this problem. Please try again later.
```

Top

Un top répond ça :

```
top - 02:16:24 up 2 days, 8:50, 1 user, load average: 2,06, 2,07, 2,07
Tasks: 115 total, 1 running, 113 sleeping, 1 stopped, 0 zombie
%Cpu(s): 99,5 us, 0,5 sy, 0,0 ni, 0,0 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
KiB Mem : 2310356 total, 93872 free, 1506532 used, 709952 buff/cache
KiB Swap: 974844 total, 974488 free, 356 used, 587992 avail Mem
scroll coordinates: y = 1/115 (tasks), x = 1/12 (fields)
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
755	mysql	20	0	678988	244752	8156	S	199,1	10,6	833:00.95	mysqld
1	root	20	0	204500	3912	2640	S	0,0	0,2	0:02.51	systemd
2	root	20	0	0	0	0	S	0,0	0,0	0:00.01	kthreadd

Apache

Les logs Apache sur vm adl sont plutôt tranquilles, pas de flood mais que du 503 (Service Unavailable) :

```
(April) root@adl:/var/log# tail -f apache2/agendadulibre.org.access.log
5.9.156.121 - - [13/Aug/2019:02:17:58 +0200] "GET /events/19589?region=123 HTTP/1.0" 503 516 "-" "Mozilla/5.0 (compatible; MJ12bot/v1.4.8; http://mj12bot.com/)"
88.184.244.236 - - [13/Aug/2019:02:17:59 +0200] "GET /events.rss?near%5Blocation%5D=Nantes&near%5Bdistance%5D=45&region=18 HTTP/1.0" 503 516 "-" "NextCloud-News/1.0"
5.9.156.121 - - [13/Aug/2019:02:18:02 +0200] "GET /events/19589?region=125 HTTP/1.0" 503 516 "-" "Mozilla/5.0 (compatible; MJ12bot/v1.4.8; http://mj12bot.com/)"
157.55.39.92 - - [13/Aug/2019:02:18:03 +0200] "GET /events/10365?region=92 HTTP/1.0" 503 516 "-" "Mozilla/5.0 (compatible; bingbot/2.0; +http://www.bing.com/bingbot.htm)"
90.92.201.161 - - [13/Aug/2019:02:18:05 +0200] "GET /events.rss?region=3 HTTP/1.0" 503 516 "https://www.agendadulibre.org/events.rss?region=3" "FreshRSS/1.14.3 (Linux; https://freshrss.org)"
5.9.156.121 - - [13/Aug/2019:02:18:05 +0200] "GET /events/19589?region=126 HTTP/1.0" 503 516 "-" "Mozilla/5.0 (compatible; MJ12bot/v1.4.8; http://mj12bot.com/)"
207.46.13.46 - - [13/Aug/2019:02:18:08 +0200] "GET /events/14306?region=32 HTTP/1.0" 503 516 "-" "Mozilla/5.0 (compatible; bingbot/2.0; +http://www.bing.com/bingbot.htm)"
5.9.156.121 - - [13/Aug/2019:02:18:09 +0200] "GET /events/19589?region=127 HTTP/1.0" 503 516 "-" "Mozilla/5.0 (compatible; MJ12bot/v1.4.8; http://mj12bot.com/)"
5.9.156.121 - - [13/Aug/2019:02:18:12 +0200] "GET /events/19589?region=128 HTTP/1.0" 503 516 "-" "Mozilla/5.0 (compatible; MJ12bot/v1.4.8; http://mj12bot.com/)"
```

Aucune erreur dans les logs Apache vm adl ?!!

Nginx

Côté vm bastion, pas de flood mais du 503 :

```
==> agendadulibre.org.access_log <==
157.55.39.92 - - [13/Aug/2019:02:21:13 +0200] "GET /events/18277?region=32 HTTP/1.1" 503 189 "-" "Mozilla/5.0 (compatible; bingbot/2.0; +http://www.bing.com/bingbot.htm)"
54.36.148.70 - - [13/Aug/2019:02:21:14 +0200] "GET /events/19063.ics HTTP/1.1" 503 189 "-" "Mozilla/5.0 (compatible; AhrefsBot/6.1; +http://ahrefs.com/robot/)"
5.9.156.121 - - [13/Aug/2019:02:21:14 +0200] "GET /events?region=1&start_date=2016-11-01&tag=Alsace%20R%C3%A9seau%20Neutre HTTP/1.1" 503 189 "-" "Mozilla/5.0 (compatible; MJ12bot/v1.4.8; http://mj12bot.com/)"
```

46.229.168.151 - - [13/Aug/2019:02:21:14 +0200] "GET /events/1486.ics HTTP/1.1" 503 189 "-" "Mozilla/5.0 (compatible; SemrushBot/3~bl; +http://www.semrush.com/bot.html)"
137.74.202.107 - - [13/Aug/2019:02:21:17 +0200] "GET /events.rss?tag=openstreetmap&daylimit=20 HTTP/1.1" 503 189 "https://www.agendadulibre.org/events.rss?tag=openstreetmap&daylimit=20" "WordPress/5.2.2; http://www.openstreetmap.fr"
94.237.57.97 - - [13/Aug/2019:02:21:17 +0200] "GET /events.rss?near%5Blocation%5D=strasbourg&near%5Bdistance%5D=50®ion=1 HTTP/1.1" 503 189 "-" "Go-NEB"
137.74.202.107 - - [13/Aug/2019:02:21:17 +0200] "GET /events.rss?tag=openstreetmap&daylimit=20 HTTP/1.1" 503 189 "https://www.agendadulibre.org/events.rss?tag=openstreetmap&daylimit=20" "WordPress/5.2.2; http://www.openstreetmap.fr"
5.9.156.121 - - [13/Aug/2019:02:21:18 +0200] "GET /events?region=1&start_date=2016-11-01&tag=Carrefour%20num%C3%A9rique%C2%B2 HTTP/1.1" 302 161 "-" "Mozilla/5.0 (compatible; MJ12bot/v1.4.8; http://mj12bot.com/)"
207.46.13.123 - - [13/Aug/2019:02:21:18 +0200] "GET /events/9356?region=36 HTTP/1.1" 503 189 "-" "Mozilla/5.0 (compatible; bingbot/2.0; +http://www.bing.com/bingbot.htm)"
46.229.168.153 - - [13/Aug/2019:02:21:20 +0200] "GET /maps.json?tag=seminaire HTTP/1.1" 503 189 "-" "Mozilla/5.0 (compatible; SemrushBot/3~bl; +http://www.semrush.com/bot.html)"
54

Par contre, les erreurs sont bloquées au début de l'incident :

```
(April) root@bastion:/var/log/nginx/agendadulibre.org# tail -1100 agendadulibre.org.error_log
2019/08/12 16:58:03 [error] 11035#11035: *25493226 access forbidden by rule, client: 217.147.169.240, server:
agendadulibre.org, request: "GET /.git/HEAD HTTP/1.1", host: "www.agendadulibre.be"
2019/08/12 17:02:33 [error] 11035#11035: *25496215 access forbidden by rule, client: 217.147.169.240, server:
agendadulibre.org, request: "GET /.git/HEAD HTTP/1.1", host: "www.agendadulibre.org"
2019/08/12 21:15:27 [error] 11035#11035: *25631028 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 69.30.226.234, server: agendadulibre.org, request: "GET /events?regio
n=7&start_date=2010-02-01&tag=linux HTTP/1.1", upstream: "http://172.16.0.10:80/events?region=7&start_date=201
0-02-01&tag=linux", host: "www.agendadulibre.org"
2019/08/12 21:15:40 [error] 11035#11035: *25638013 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 217.146.225.31, server: agendadulibre.org, request: "GET /events.json
?region=12 HTTP/1.0", upstream: "http://172.16.0.10:80/events.json?region=12", host: "www.agendadulibre.org"
2019/08/12 21:15:46 [error] 11035#11035: *25638035 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 90.107.168.245, server: agendadulibre.org, request: "GET /events.ics?
tag=OpenStreetMap-France HTTP/1.1", upstream: "http://172.16.0.10:80/events.ics?tag=OpenStreetMap-France", hos
t: "www.agendadulibre.org"
2019/08/12 21:15:46 [error] 11035#11035: *25638041 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 90.107.168.245, server: agendadulibre.org, request: "GET /events.ics?
region=18 HTTP/1.1", upstream: "http://172.16.0.10:80/events.ics?region=18", host: "www.agendadulibre.org"
2019/08/12 21:15:46 [error] 11035#11035: *25638040 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 90.107.168.245, server: agendadulibre.org, request: "GET /events.ics?
tag=Franciliens-net HTTP/1.1", upstream: "http://172.16.0.10:80/events.ics?tag=Franciliens-net", host: "www.ag
endadulibre.org"
2019/08/12 21:15:46 [error] 11035#11035: *25638042 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 90.107.168.245, server: agendadulibre.org, request: "GET /events.ics?
tag=Jungle-Bus HTTP/1.1", upstream: "http://172.16.0.10:80/events.ics?tag=Jungle-Bus", host: "www.agendadulibr
e.org"
2019/08/12 21:15:46 [error] 11035#11035: *25638044 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 90.107.168.245, server: agendadulibre.org, request: "GET /events.ics?
tag=Open-Event-France HTTP/1.1", upstream: "http://172.16.0.10:80/events.ics?tag=Open-Event-France", host: "ww
w.agendadulibre.org"
2019/08/12 21:15:46 [error] 11035#11035: *25638043 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 90.107.168.245, server: agendadulibre.org, request: "GET /events.ics?
region=12 HTTP/1.1", upstream: "http://172.16.0.10:80/events.ics?region=12", host: "www.agendadulibre.org"
2019/08/12 21:15:48 [error] 11035#11035: *25638058 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 37.168.211.120, server: agendadulibre.org, request: "GET /events.ics?
region=4 HTTP/1.1", upstream: "http://172.16.0.10:80/events.ics?region=4", host: "www.agendadulibre.org"
2019/08/12 21:16:15 [error] 11035#11035: *25638286 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 94.237.57.97, server: agendadulibre.org, request: "GET /events.rss?ne
ar%5Blocation%5D=strasbourg&near%5Bdistance%5D=50&region=1 HTTP/1.1", upstream: "http://172.16.0.10:80/events.
rss?near%5Blocation%5D=strasbourg&near%5Bdistance%5D=50&region=1", host: "www.agendadulibre.org"
2019/08/12 21:16:15 [error] 11035#11035: *25638284 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 69.30.226.234, server: agendadulibre.org, request: "GET /events?regio
n=7&start_date=2010-02-01&tag=linux HTTP/1.1", upstream: "http://172.16.0.10:80/events?region=7&start_date=201
0-02-01&tag=linux", host: "www.agendadulibre.org"
2019/08/12 21:16:23 [error] 11035#11035: *25638336 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 65.132.59.34, server: agendadulibre.org, request: "GET /events/19463?
region=114 HTTP/1.1", upstream: "http://172.16.0.10:80/events/19463?region=114", host: "www.agendadulibre.org"

2019/08/12 21:16:25 [error] 11035#11035: *25638374 upstream timed out (110: Connection timed out) while readin
g response header from upstream, client: 176.158.165.22, server: agendadulibre.org, request: "GET /events/1067
1 HTTP/1.1", upstream: "http://172.16.0.10:80/events/10671", host: "www.agendadulibre.org", referer: "https:/
/www.google.com/"
```

Collecte spéciale

```
(April) root@adl:~/Cpm# ./dopaste
```

AL	SWAPFREE	SWAPUSED	UPTIME	MEMTOTAL	MEMFREE	MEMAVAIL	RUBYCOUNT	HTTPALL	HTTPBOT	HTTPHUM	HTTPTOPIP	SWAPTOT	
2019-08-12-211001	40		0.09	2310356	79628	706240	3	51	38	13	9	974844	974804
2019-08-12-211101	48		0.16	2310356	79832	716208	3	61	40	21	9	974844	974796
2019-08-12-211201	76		0.27	2310356	105208	716960	3	53	39	14	7	974844	974768
2019-08-12-211301	76		0.33	2310356	105276	717068	3	47	32	15	7	974844	974768
2019-08-12-211401	80		0.29	2310356	78376	714520	3	50	35	15	7	974844	974764
2019-08-12-211501	80		1.78	2310356	140240	677972	3	141	15	126	123	974844	974764
2019-08-12-211601	84		3.29	2310356	103360	512504	3	1	0	1	1	974844	974760
2019-08-12-211702	84		3.42	2310356	85928	497112	3	13	4	9	3	974844	974760
2019-08-12-211801	84		1.91	2310356	175948	589528	3	94	52	42	23	974844	974760
2019-08-12-211901	84		0.73	2310356	174284	588668	3	52	39	13	15	974844	974760
2019-08-12-212001	84		0.51	2310356	93324	589716	3	71	51	20	12	974844	974760
2019-08-12-212101	100		0.27	2310356	79212	589020	3	50	39	11	7	974844	974744
2019-08-12-212201	100		0.38	2310356	94816	589048	3	48	41	7	7	974844	974744
2019-08-12-212301	100		0.27	2310356	108056	605556	3	54	36	18	10	974844	974744
2019-08-12-212401	100		0.13	2310356	107348	605124	3	55	35	20	11	974844	974744
2019-08-12-212501	100		0.09	2310356	107064	604988	3	49	32	17	7	974844	974744
2019-08-12-212601	100		0.09	2310356	107392	605668	3	58	38	20	7	974844	974744
2019-08-12-212701	100		0.03	2310356	106480	605892	3	52	39	13	7	974844	974744
2019-08-12-212801	100		0.01	2310356	105988	605644	3	37	21	16	6	974844	974744
2019-08-12-212901	100		0.18	2310356	105120	605072	3	37	26	11	7	974844	974744
2019-08-12-213001	100		0.06	2310356	105736	605824	3	43	27	16	7	974844	974744
2019-08-12-213101	100		0.30	2310356	102292	605552	3	61	30	31	11	974844	974744
2019-08-12-213201	100		0.15	2310356	102316	605768	3	44	31	13	7	974844	974744
2019-08-12-213301	100		0.25	2310356	101928	605624	3	45	30	15	7	974844	974744
2019-08-12-213401	100		0.26	2310356	100768	604624	3	47	32	15	6	974844	974744
2019-08-12-213501	100		0.09	2310356	101868	605880	3	71	43	28	6	974844	974744
2019-08-12-213601	100		0.13	2310356	101480	605644	3	60	44	16	15	974844	974744
2019-08-12-213701	100		0.25	2310356	101304	605840	3	102	59	43	30	974844	974744
2019-08-12-213801	100		1.03	2310356	100124	605472	3	97	50	47	20	974844	974744
2019-08-12-213901	100		1.65	2310356	98244	603736	3	2	2	0	1	974844	974744
2019-08-12-214001	100		1.87	2310356	94812	600512	3	1	1	0	1	974844	974744
2019-08-12-214101	100		2.04	2310356	91612	597512	3	100	37	63	46	974844	974744
2019-08-12-214201	100		2.05	2310356	90788	596844	3	136	65	71	29	974844	974744
2019-08-12-214301	100		2.05	2310356	90660	596860	3	85	63	22	17	974844	974744
2019-08-12-214401			2.02	2310356	89708	596048	3	66	40	26	21	974844	974744

100											
2019-08-12-214501	2.00	2310356	90380	596920	3	84	43	41	32	974844	974744
100											
2019-08-12-214601	2.00	2310356	90004	596672	3	78	44	34	26	974844	974744
100											
2019-08-12-214701	2.00	2310356	89652	596536	3	69	49	20	7	974844	974744
100											
2019-08-12-214801	2.00	2310356	89616	596624	3	57	32	25	11	974844	974744
100											
2019-08-12-214901	2.00	2310356	88444	595604	3	77	39	38	17	974844	974744
100											
2019-08-12-215001	2.06	2310356	89268	596612	3	67	34	33	15	974844	974744
100											
2019-08-12-215101	2.02	2310356	88700	596172	3	76	40	36	20	974844	974744
100											

Mysql

```
(April) root@adl:~/Cpm# mysqladmin -u adl_fr -p status adl_fr
```

```
Enter password:
```

```
Uptime: 207600 Threads: 4 Questions: 3662290 Slow queries: 40558 Opens: 144 Flush tables: 1 Open tables: 138 Queries per second avg: 17.641
```

```
MariaDB [adl_fr]> show status like '%onn%';
```

Variable_name	Value
Aborted_connects	4
Connection_errors_accept	0
Connection_errors_internal	0
Connection_errors_max_connections	0
Connection_errors_peer_address	0
Connection_errors_select	0
Connection_errors_tcpwrap	0
Connections	1429
Max_used_connections	4
Performance_schema_session_connect_attrs_lost	0
Slave_connections	0
Slaves_connected	0
Ssl_client_connects	0
Ssl_connect_renegotiates	0
Ssl_finished_connects	0
Threads_connected	3
wsrep_connected	OFF

```
MariaDB [adl_fr]> SHOW STATUS LIKE 'Key%';
```

Variable_name	Value
Key_blocks_not_flushed	0
Key_blocks_unused	12768
Key_blocks_used	621
Key_blocks_warm	500
Key_read_requests	3538770772
Key_reads	620
Key_write_requests	40
Key_writes	40

```
MariaDB [adl_fr]> show processlist;
```

Id	User	Host	db	Command	Time	State	Info
917	adl_fr	localhost	adl_fr	Query	17720	statistics	SELECT `events`.* FROM `events` INNER JOIN `taggings` `event_taggings_70382ac` ON `event_taggings_7`
918	adl_fr	localhost	adl_fr	Query	17690	statistics	SELECT `events`.* FROM `events` INNER JOIN `taggings` `event_taggings_70382ac` ON `event_taggings_7`
1401	adl_fr	localhost	adl_fr	Query	0	init	show processlist

-----+-----
3 rows in set (0.00 sec)

Là, on peut voir que 2 process Mysql n'en finissent pas.

Pour en savoir plus :

```
ariaDB [adl_fr]> select * from INFORMATION_SCHEMA.PROCESSLIST where db = 'adl_fr';
| ID | USER | HOST | DB | COMMAND | TIME | STATE | INFO
| TIME_MS | STAGE | MAX_STAGE | PROGRESS | MEMORY_USED | EXAMINED_ROWS | QUERY_ID |
INFO_BINARY
| TID |

| 918 | adl_fr | localhost | adl_fr | Query | 18208 | statistics |
SELECT `events`.* FROM `events` INNER JOIN `taggings` `event_taggings_70382ac` ON `event_taggings_70382ac`.`taggable_id` = `events`.`id` AND `event_taggings_70382ac`.`taggable_type` = 'Event' AND `event_taggings_70382ac`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '(select' \
ESCAPE '!') INNER JOIN `taggings` `event_taggings_7dc26f5` ON `event_taggings_7dc26f5`.`taggable_id` = `events`.`id` AND `event_taggings_7dc26f5`.`taggable_type` = 'Event' AND `event_taggings_7dc26f5`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '(case' ESCAPE '!') INNER JOIN \
`taggings` `event_taggings_30603fa` ON `event_taggings_30603fa`.`taggable_id` = `events`.`id` AND `event_taggings_30603fa`.`taggable_type` = 'Event' AND `event_taggings_30603fa`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` \
WHERE LOWER(`tags`.`name`) LIKE 'when' ESCAPE '!') INNER JOIN `taggings` `event_taggings_be80acd` ON `event_taggings_be80acd`.`taggable_id` = `events`.`id` AND `event_taggings_be80acd`.`taggable_type` = 'Event' AND `event_taggings_be80acd`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '(7226=2977)' ESCAPE '!') INNER JOIN `taggings` `event_taggings_6f8f8e9` ON `event_taggings_6f8f8e9`.`taggable_id` = `events`.`id` AND `event_taggings_6f8f8e9`.`taggable_type` = 'Event' AND `event_taggings_6f8f8e9`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE 'then' ESCAPE '!') INNER JOIN `taggings` `event_taggings_6c0b333` ON `event_taggings_6c0b333`.`taggable_id` = `events`.`id` AND `event_taggings_6c0b333`.`taggable_type` = 'Event' AND `event_taggings_6c0b333`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '0x74657374' ESCAPE '!') INNER JOIN `taggings` `event_taggings_ae050f5` ON `event_taggings_ae050f5`.`taggable_id` = `events`.`id` AND `event_taggings_ae050f5`.`taggable_type` = 'Event' AND `event_taggings_ae050f5`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE 'else' ESCAPE '!') INNER JOIN `taggings` `event_taggings_ca99ad7` ON `event_taggings_ca99ad7`.`taggable_id` = `events`.`id` AND `event_taggings_ca99ad7`.`taggable_type` = 'Event' AND `event_taggings_ca99ad7`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '2977' ESCAPE '!') INNER JOIN `taggings` `event_taggings_67ad5a0` ON `event_taggings_67ad5a0`.`taggable_id` = `events`.`id` AND `event_taggings_67ad5a0`.`taggable_type` = 'Event' AND `event_taggings_67ad5a0`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE 'union' ESCAPE '!') INNER JOIN `taggings` `event_taggings_81448fe` ON `event_taggings_81448fe`.`taggable_id` = `events`.`id` AND `event_taggings_81448fe`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE 'select' ESCAPE '!') INNER JOIN `taggings` `event_taggings_7cceed5` ON `event_taggings_7cceed5`.`taggable_id` = `events`.`id` AND `event_taggings_7cceed5`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '8769' ESCAPE '!') INNER JOIN `taggings` `event_taggings_6d8f7d4` ON `event_taggings_6d8f7d4`.`taggable_id` = `events`.`id` AND `event_taggings_6d8f7d4`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE 'end') ESCAPE '!') WHERE `events`.`moderated` = 1 AND ('2019-07-29' <= end_time and start_time <= '2019-09-01 23:59:59.999999') ORDER BY id desc LIMIT 3000

| 18208809.168 | 0 | 0 | 0.000 | 740296 | 0 | 3661243 |
SELECT `events`.* FROM `events` INNER JOIN `taggings` `event_taggings_70382ac` ON `event_taggings_70382ac`.`taggable_id` = `events`.`id` AND `event_taggings_70382ac`.`taggable_type` = 'Event' AND `event_taggings_70382ac`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '(select' \
ESCAPE '!') INNER JOIN `taggings` `event_taggings_7dc26f5` ON `event_taggings_7dc26f5`.`taggable_id` = `events`.`id` AND `event_taggings_7dc26f5`.`taggable_type` = 'Event' AND `event_taggings_7dc26f5`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '(case' ESCAPE '!') INNER JOIN \
`taggings` `event_taggings_30603fa` ON `event_taggings_30603fa`.`taggable_id` = `events`.`id` AND `event_taggings_30603fa`.`taggable_type` = 'Event' AND `event_taggings_30603fa`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` \
WHERE LOWER(`tags`.`name`) LIKE 'when' ESCAPE '!') INNER JOIN `taggings` `event_taggings_be80acd` ON `event_taggings_be80acd`.`taggable_id` = `events`.`id` AND `event_taggings_be80acd`.`taggable_type` = 'Event' AND `event_taggings_be80acd`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '(7226=2977)' ESCAPE '!') INNER JOIN `taggings` `event_taggings_6f8f8e9` ON `event_taggings_6f8f8e9`.`taggable_id` = `events`.`id` AND `event_taggings_6f8f8e9`.`taggable_type` = 'Event' AND `event_taggings_6f8f8e9`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE 'then' ESCAPE '!') INNER JOIN `taggings` `event_taggings_6c0b333` ON `event_taggings_6c0b333`.`taggable_id` = `events`.`id` AND `event_taggings_6c0b333`.`taggable_type` = 'Event' AND `event_taggings_6c0b333`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '0x74657374' ESCAPE '!') INNER JOIN `taggings` `event_taggings_ae050f5` ON `event_taggings_ae050f5`.`taggable_id` = `events`.`id` AND `event_taggings_ae050f5`.`taggable_type` = 'Event' AND `event_taggings_ae050f5`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE 'else' ESCAPE '!') INNER JOIN `taggings` `event_taggings_ca99ad7` ON `event_taggings_ca99ad7`.`taggable_id` = `events`.`id` AND `event_taggings_ca99ad7`.`taggable_type` = 'Event' AND `event_taggings_ca99ad7`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '2977' ESCAPE '!') INNER JOIN `taggings` `event_taggings_67ad5a0` ON `event`
```

```

nt_taggings_67ad5a0`.`taggable_id` = `events`.`id` AND `event_taggings_67ad5a0`.`taggab1\
e_type` = 'Event' AND `event_taggings_67ad5a0`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`
name`) LIKE 'union' ESCAPE '!') INNER JOIN `taggings` `event_taggings_81448fe` ON `event_taggings_81448fe`.`t
aggable_id` = `events`.`id` AND `event_taggings_81448fe`.`taggable_type` = 'Event' AND `
event_taggings_81448fe`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE 'select' E
SCAPE '!') INNER JOIN `taggings` `event_taggings_7ccec5` ON `event_taggings_7ccec5`.`taggable_id` = `events`
`.`id` AND `event_taggings_7ccec5`.`taggable_type` = 'Event' AND `event_taggings_7ccec5`
`.`tag_id` IN (SELECT `tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE '8769)' ESCAPE '!') INNER JOIN `
taggings` `event_taggings_6d8f7d4` ON `event_taggings_6d8f7d4`.`taggable_id` = `events`.`id` AND `event_taggin
gs_6d8f7d4`.`taggable_type` = 'Event' AND `event_taggings_6d8f7d4`.`tag_id` IN (SELECT `
tags`.`id` FROM `tags` WHERE LOWER(`tags`.`name`) LIKE 'end))' ESCAPE '!') WHERE `events`.`moderated` = 1 AND
('2019-07-29' <= end_time and start_time <= '2019-09-01 23:59:59.999999') ORDER BY id desc LIMIT 3000
| 1183 |

```

Faudrait comprendre d'où viennent ces 2 requêtes infernales. Essayons de leur donner forme :

```

SELECT `events`.*
FROM `events`
INNER JOIN `taggings` `event_taggings_70382ac` ON `event_taggings_70382ac`.`taggable_id` = `events`.`id`
AND `event_taggings_70382ac`.`taggable_type` = 'Event'
AND `event_taggings_70382ac`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE '(select' ESCAPE '!')
  )
INNER JOIN `taggings` `event_taggings_7dc26f5` ON `event_taggings_7dc26f5`.`taggable_id` = `events`.`id`
AND `event_taggings_7dc26f5`.`taggable_type` = 'Event'
AND `event_taggings_7dc26f5`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE '(case' ESCAPE '!')
  )
INNER JOIN `taggings` `event_taggings_30603fa` ON `event_taggings_30603fa`.`taggable_id` = `events`.`id`
AND `event_taggings_30603fa`.`taggable_type` = 'Event'
AND `event_taggings_30603fa`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE 'when' ESCAPE '!')
  )
INNER JOIN `taggings` `event_taggings_be80acd` ON `event_taggings_be80acd`.`taggable_id` = `events`.`id`
AND `event_taggings_be80acd`.`taggable_type` = 'Event'
AND `event_taggings_be80acd`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE '(7226=2977)' ESCAPE '!')
  )
INNER JOIN `taggings` `event_taggings_6f8f8e9` ON `event_taggings_6f8f8e9`.`taggable_id` = `events`.`id`
AND `event_taggings_6f8f8e9`.`taggable_type` = 'Event'
AND `event_taggings_6f8f8e9`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE 'then' ESCAPE '!')
  )
INNER JOIN `taggings` `event_taggings_6c0b333` ON `event_taggings_6c0b333`.`taggable_id` = `events`.`id`
AND `event_taggings_6c0b333`.`taggable_type` = 'Event'
AND `event_taggings_6c0b333`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE '0x74657374' ESCAPE '!')
  )
INNER JOIN `taggings` `event_taggings_ae050f5` ON `event_taggings_ae050f5`.`taggable_id` = `events`.`id`
AND `event_taggings_ae050f5`.`taggable_type` = 'Event'
AND `event_taggings_ae050f5`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE 'else' ESCAPE '!')
  )
INNER JOIN `taggings` `event_taggings_ca99ad7` ON `event_taggings_ca99ad7`.`taggable_id` = `events`.`id`
AND `event_taggings_ca99ad7`.`taggable_type` = 'Event'
AND `event_taggings_ca99ad7`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE '2977' ESCAPE '!')
  )
INNER JOIN `taggings` `event_taggings_67ad5a0` ON `event_taggings_67ad5a0`.`taggable_id` = `events`.`id`
AND `event_taggings_67ad5a0`.`taggable_type` = 'Event'
AND `event_taggings_67ad5a0`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE 'union' ESCAPE '!')
  )
INNER JOIN `taggings` `event_taggings_81448fe` ON `event_taggings_81448fe`.`taggable_id` = `events`.`id`
AND `event_taggings_81448fe`.`taggable_type` = 'Event'

```

```

AND `event_taggings_81448fe`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE 'select' ESCAPE '!')
INNER JOIN `taggings` `event_taggings_7ccec5` ON `event_taggings_7ccec5`.`taggable_id` = `events`.`id`
AND `event_taggings_7ccec5`.`taggable_type` = 'Event'
AND `event_taggings_7ccec5`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE '8769)' ESCAPE '!')
INNER JOIN `taggings` `event_taggings_6d8f7d4` ON `event_taggings_6d8f7d4`.`taggable_id` = `events`.`id`
AND `event_taggings_6d8f7d4`.`taggable_type` = 'Event'
AND `event_taggings_6d8f7d4`.`tag_id` IN
  (SELECT `tags`.`id`
   FROM `tags`
   WHERE LOWER(`tags`.`name`) LIKE 'end))' ESCAPE '!')
WHERE `events`.`moderated` = 1
  AND ('2019-07-29' <= end_time
       AND start_time <= '2019-09-01 23:59:59.999999')
ORDER BY id DESC
LIMIT 3000

```

#13 - 13/08/2019 03:42 - Christian P. Momon

- Statut changé de Attente d'information à En cours de traitement

Un indice important, c'est le type de ces requêtes qui n'en finissent pas : **statistics**.

Après une recherche web : <https://stackoverflow.com/questions/17797191/sql-query-stuck-in-statistics-state>

SQL Query Stuck in Statistics State

I've been troubleshooting this complex query today, thinking it was a performance issue. It appears that the query is getting stuck into the 'Statistics' state. It is currently in that state for 1300 seconds.

[...]

I ran into the same problem recently: MySQL started to choke (stuck in state 'statistics') on queries with a lot of tables joined together. I found a good blog post explaining why this happens and how to solve it.

Basically at least in MySQL 5.5, the default value for the configuration parameter `optimizer_search_depth` is 62 which will cause the query optimizer to take exponentially more time as the number of tables in the query increases. After a certain point it will start to take days or even longer to finish the query.

However, if you set the `optimizer_search_depth` to 0 in your `my.cnf`, MySQL automatically chooses suitable depth, but limits it to 7 which is not yet too complex.

Apparently this issue has been fixed in MySQL 5.6 but I haven't tested it myself yet.

Voilà une explication intéressante. Vérifions notre paramétrage :

```

MariaDB [adl_fr]> SHOW global VARIABLES LIKE '%optimizer_search_depth%';
+-----+-----+
| Variable_name | Value |
+-----+-----+
| optimizer_search_depth | 62 |
+-----+-----+

```

Et notre version de Mysql :

```

(April) root@adl:~/Cpm# dpkg -l mysql-server
ii mysql-server                    5.5.9999+default          amd64
                                MySQL database server binaries and system database setup [transitional]

```

Nous pouvons en déduire ce qu'il se passe :

- des statistiques sont démarrées sur une grosse requête pleine de JOIN ;
- comme le paramètre `optimizer_search_depth` a pour valeur 62, l'analyse statistique peut prendre des jours ;
- comme le nombre de Thread connecté est de 3, ça sature très vite ;
- et donc le mysql est très occupé (gros top) et n'est plus disponible pour répondre aux requêtes.

Suggestions :

- mettre `optimizer_search_depth` à 0 ;
- migrer en Buster avec MariaDB 10.3 ;
- augmenter le nombre de requêtes traitables en même temps : 3 semble ridicule.

#14 - 13/08/2019 04:15 - Christian P. Momon

- Statut changé de *En cours de traitement* à *Résolu*

Dans root@adl:/etc/mysql/mariadb.conf.d/50-server.cnf, ajout de :

```
# Cpm 13/09/2019 stop hugly statistics queries (#3773).  
optimizer_search_depth = 0
```

Vérification :

```
MariaDB [adl_fr]> SHOW global VARIABLES LIKE '%optimizer_search_depth%';  
+-----+-----+  
| Variable_name | Value |  
+-----+-----+  
| optimizer_search_depth | 0 |  
+-----+-----+
```

#15 - 04/09/2019 22:00 - Quentin Gibeaux

- Statut changé de *Résolu* à *Fermé*

Fichiers

slow_query-20190721.log	159 ko	21/07/2019	Christian P. Momon
-------------------------	--------	------------	--------------------