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Main page
Recent changes
Server admin log (Prod)
Server admin log (RelEng)
Deployments
SRE/Operations Help
Incident status

Cloud VPS & Toolforge
Cloud VPS documentation
Toolforge documentation
Request Cloud VPS project
Server admin log (Cloud VPS)

Tools
What links here
Related changes
Special pages
Permanent link
Page information
Cite this page

Print/export
Create a book
Download as PDF
Printable version

Incident documentation/20150206-EventLogging

< Incident documentation

Contents [hide]

1 Summary
2 Timeline
3 Conclusions
4 Actionables

Summary

EventlLogging code was dropping events sparsely from 2015-02-06 to 2015-02-10

Timeline

2015-02-05 08:15 PST

El code got deployed from mainline (and not logged in SAL) to fix issues with incident on

20150205

Code seems to be working normally.

2015-02-06/2015-02-09

Alarms regarding throughput get trigger.

2015-02-11

Developers researchs events on db versus validated events on log and finds discrepancies. Those should agree not 100% but about 99%. (There are valid events that do not get inserted due to encoding issues and other errors)

```
mysql --defaults-extra-file=/etc/mysql/conf.d/research-client.cnf --host
dbstore1002.eqiad.wmnet -e "select left(timestamp,8) ts ,
COUNT(*) from log.ServerSideAccountCreation_5487345 where left(timestamp,8) >=
'20150128' group by ts order by ts;"
ts      COUNT(*)
20150128        18237
20150129        17546
20150130        16556
20150131        15814
20150201        17079
20150202        17387
20150203        17888
20150204        11496
20150205        6640
20150206        11159
20150207        10307
20150208        10095
20150209        10375
```

Conclusions

- We would benefit from looking at alarms right away and not wait several days
- More precise alarms as to what is going on wouldn't hurt

Actionables

- Status: **Done** Make sure that log files exist for the affected period, so we can backfill.
- Status: **Done** Backfill the data https://phabricator.wikimedia.org/T88692

Categories: Incident documentation | EventLogging/Incident documentation

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