

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

Cloud VPS & Toolforge

Cloud VPS documentation

Incident status

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

Page Discussion View source

View history

Search Wikitech

Q

Toolforge webservices are in the final stages of migrating to the toolforge.org domain. Please help us clean up older documentation referring to tools.wmflabs.org!

Incident documentation/20171130-wdqs

< Incident documentation

Contents [hide]

- 1 Summary
- 2 Timeline
- 3 Conclusions
- 4 Actionables

Summary

Around 14:55 UTC wdgs1004 was caught in GC death spiral and froze. It recovered after a restart of blazegraph.

Timeline

- 14:55 UTC: slowdown in updates can be observed for wdqs1004
- 15:15 UTC: icinga alert: LVS HTTP IPv4 on wdqs.svc.eqiad.wmnet is CRITICAL: CRITICAL Socket timeout after 10 seconds
- 15:15 UTC: icinga recovery
- 15:19 UTC: restart of blazegraph on wdqs1004

Conclusions

- Looking at GC logs, I can see a peak at 17GB/s of heap allocation. This looks related to the traffic received. Much more investigation will be needed to get to the bottom of this.
- Looking at throttled requests during that period, I can see that most requests are coming from user agent "MediaWiki/1.31.0-wmf.10" . This is a surprise to me.

Actionables

- modify the local icinga checks to use the same check as LVS, which do a real query and not just a call to a dummy page phab:T181989
- new wdqs cluster, dedicated to synchronous and trusted traffic phab:T178492 (this is a goal of search backend for next quarter)
- investigate memory allocation on blazegraph phab:T181988
- investigate and document clients of wdqs, a tracking page has been created.

Category: Incident documentation

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