

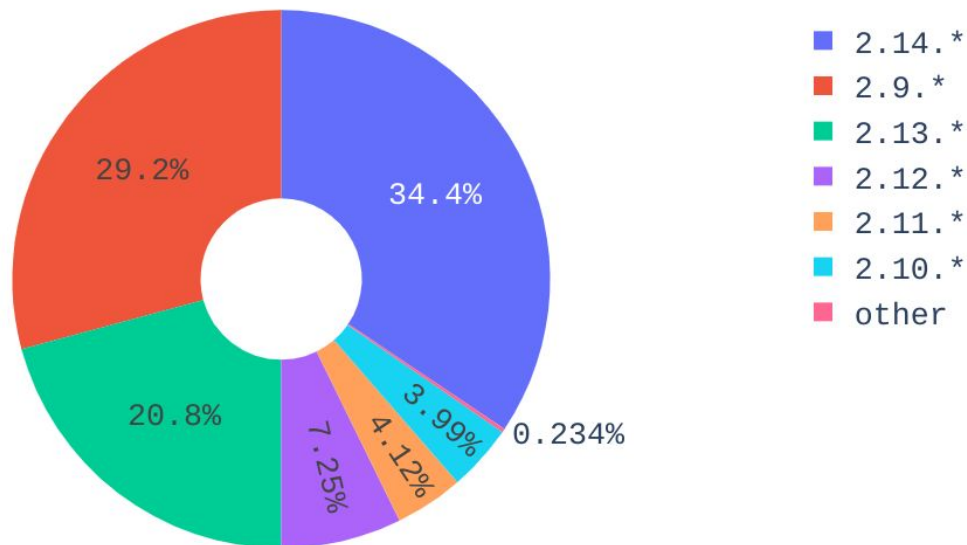
GALAXY ng

Performance and Scale

Data provided by Perf & Scale team in collaboration with Automation Hub Engineering Team

Top ansible-galaxy versions

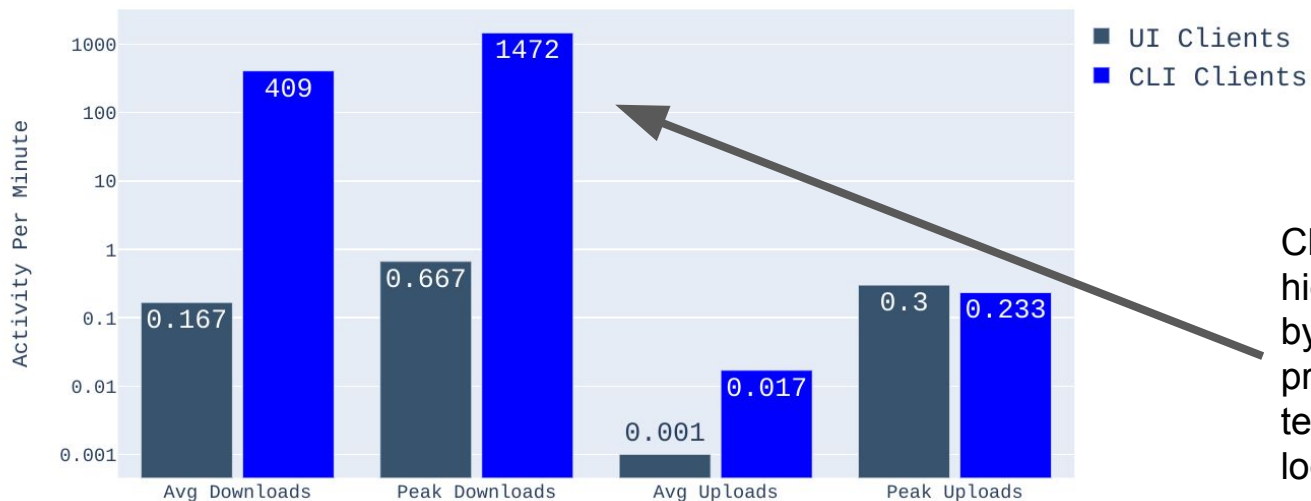
Galaxy Client Versions



The majority of clients are running versions of 2.14, 2.13 and 2.9, so we are focusing our testing on these versions.

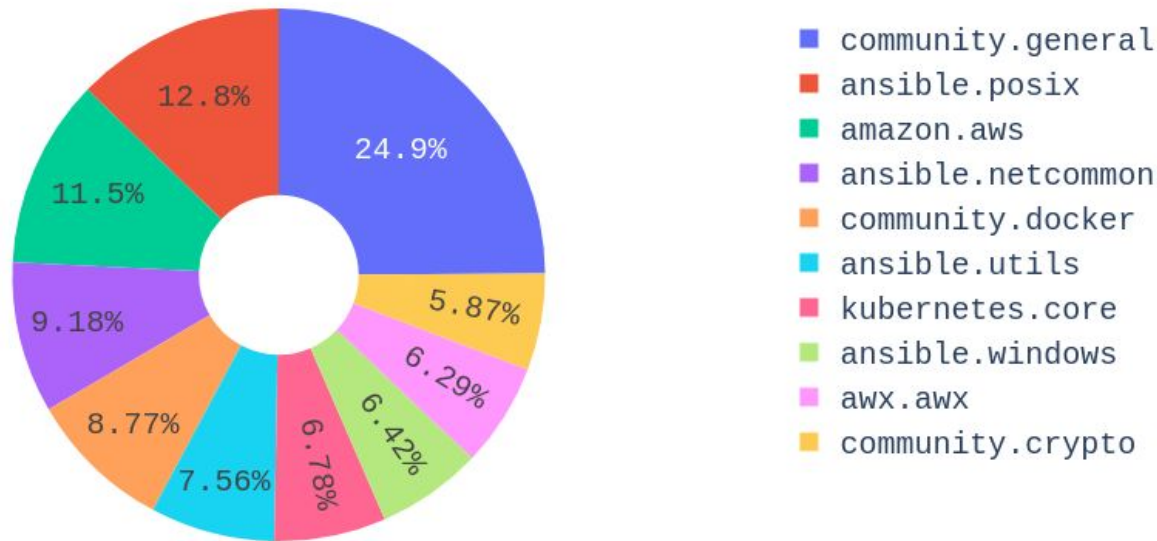
Upload vs. Download activity

Average and Peak Load by Client Type



CLI Download is the highest frequency activity by far, and is our first priority for performance testing. (scale is logarithmic)

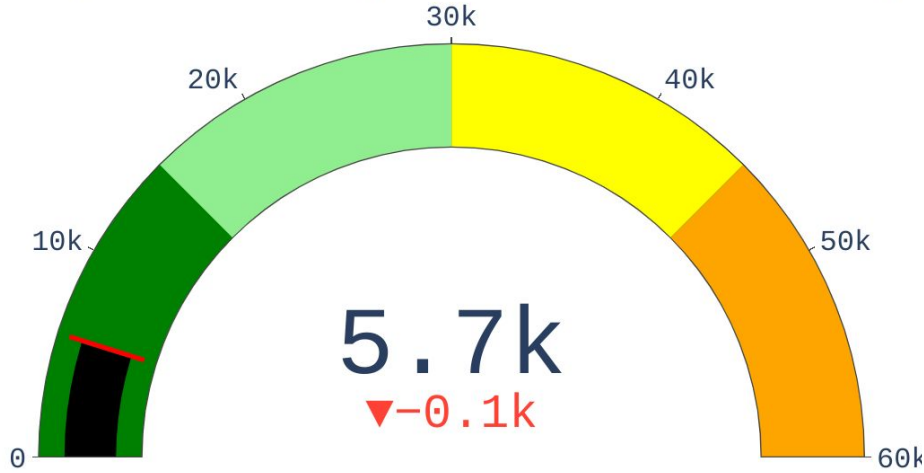
Top Ten Collection Downloads



For download testing, we are focusing on availability of top requested collections

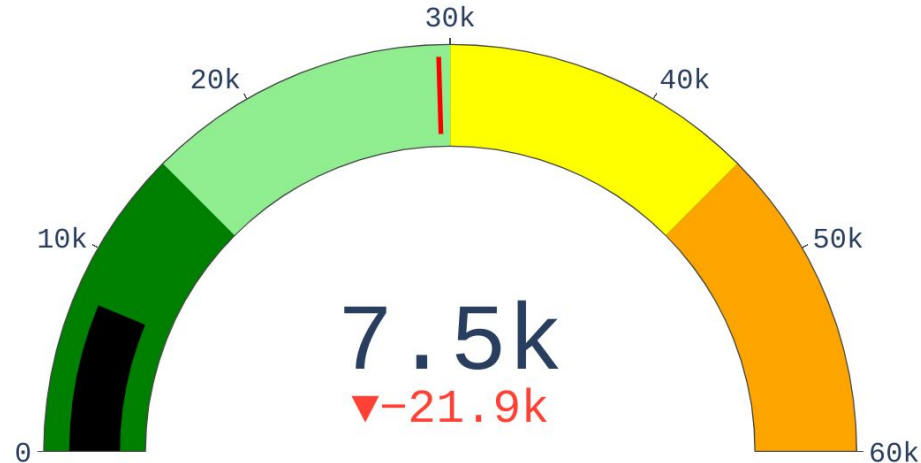
Requests per Minute

Average Stable Beta Galaxy Requests Per Minute vs. Prod Galaxy



Average Requests Per Minute for Production Galaxy is 5,820, currently beta galaxy we have achieved stable results with constant load of ~ 5k RPM driven by CLI collection downloads

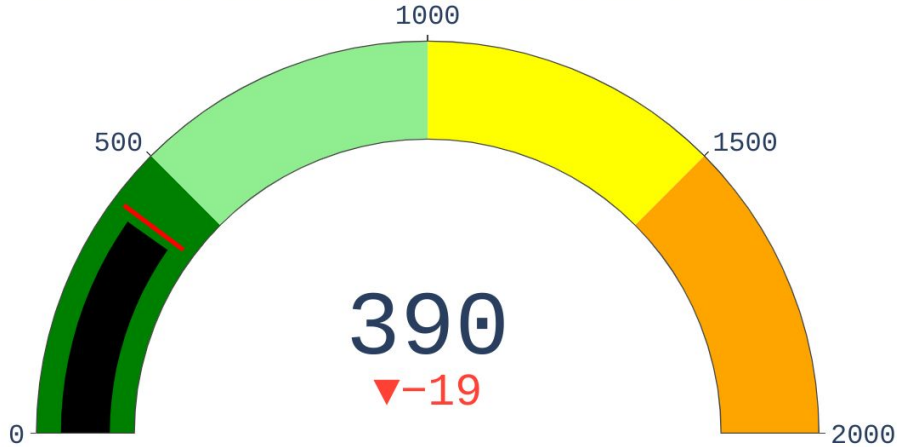
Peak Stable Beta Galaxy Requests Per Minute vs. Prod Galaxy



Peak Requests Per Minute for Production Galaxy is near 30k, currently beta galaxy we have been able to drive a peak load of ~ 7.5k RPM driven by CLI collection downloads

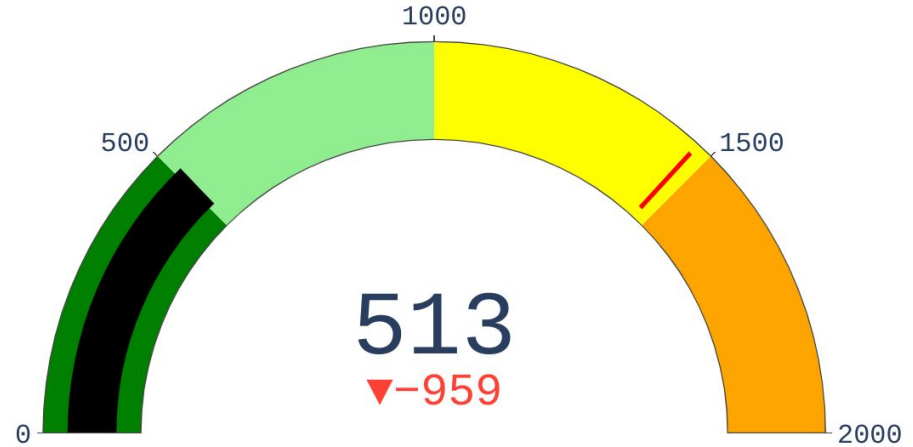
Downloads per Minute

Average Stable Beta Galaxy Downloads Per Minute vs. Prod Galaxy



Average Requests Per Minute for Production Galaxy is 409, currently beta galaxy we have achieved stable results with constant load of ~ 390 CLI collection downloads per minute

Peak Stable Beta Galaxy Downloads Per Minute vs. Prod Galaxy



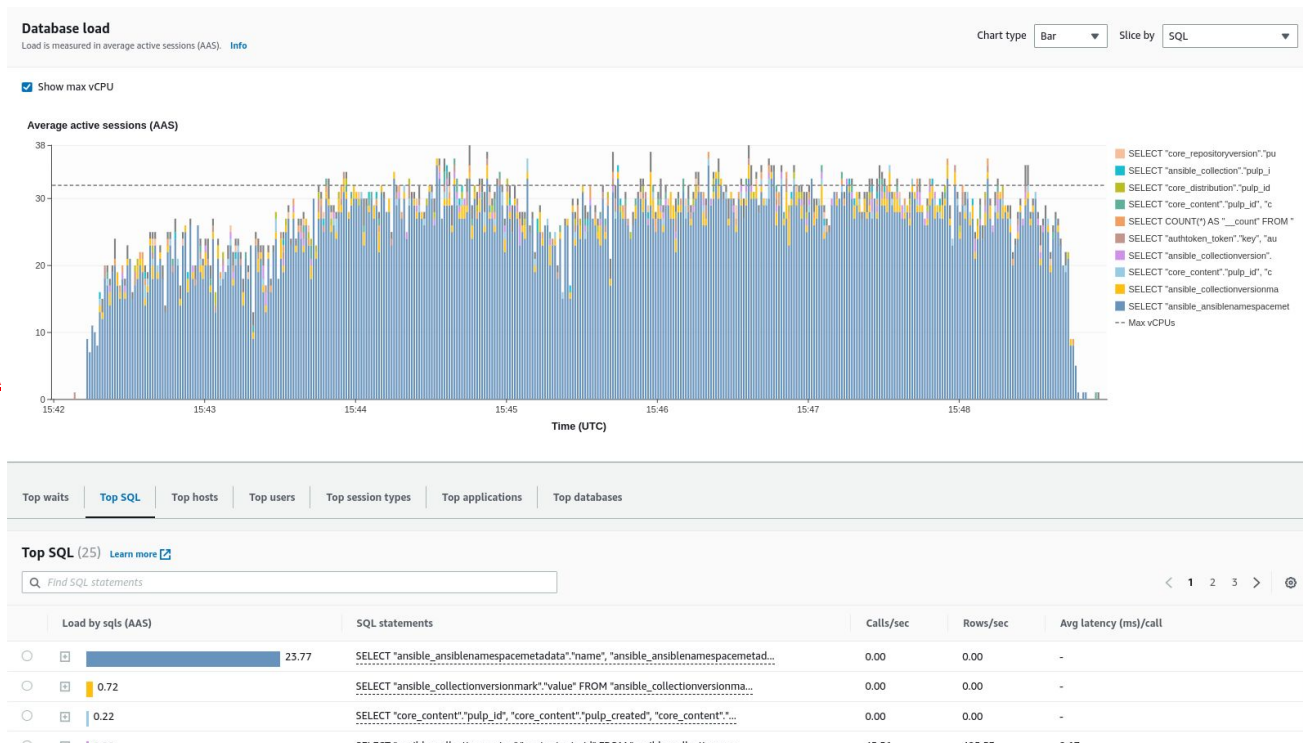
Peak Downloads Per Minute for Production Galaxy is around 1400 – currently in beta galaxy we have been able to push a peak load of ~ 513 downloads per minute.

Resolved issues

- OOM on listing collection versions was limiting previous stable RPM on beta-galaxy to ~ 3.5k
 - <https://issues.redhat.com/browse/AAH-2143>
- Reduce query time for a collection's versions in the UI api causing 502 errors
 - <https://issues.redhat.com/browse/AAH-2143>
- Semantic sorting on a CV list with many versions was extremely slow
 - https://github.com/pulp/pulp_ansible/issues/1410

High priority issues

- Identified troublesome query using lots of CPU – <https://issues.redhat.com/browse/AH-2346>




Try it out

<https://beta-galaxy.ansible.com>

Your feedback is important to us, please share your thoughts on https://github.com/ansible/galaxy_ng/discussions

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