

Known Reports Cache

opReports 3.1.10 introduces a newly developed *known_reports_cache* to speed up the loading of reports:

- A new option '*opreports_do_cache_known_reports*' in */path/to/omk/conf/opCommon.nmis* determines whether this cache is enabled or disabled.
- The cache is enabled by default since opReports 3.1.11.

When the *known_reports_cache* is enabled and one deletes generated reports via the commandline or in a cron job, it is necessary to update the *known_reports_cache* flag files modified time to flag that the cache must refresh - this command will suffice:

- touch /path/to/omk/var/opreports/known_reports_cache/*.flag

Flushing the cache with the above command is safe and may also be useful in problem-solving.

The performance of the opReports *known_reports_cache* can be summarised as follows, when checked on a virtual server with 4 CPUs , 16GB of RAM, not using any swap, and with 2.7GB size of /path/to/omk/var/ directory:

opReports Page Loaded	Time to load without known_reports_cache (seconds)	Time to load with known_reports_cache (seconds)
Dashboard	15.53	16.52
Operational Status	40.27	15.36
Report Schedules	17.56	3.29
Saved Reports	26.01	13.48
Opening grouped_capacity Report within Saved Reports Page	864	25.23
On-Demand Reports	18.24	3.33
Opening grouped_capacity Report within On-Demand Reports Page	954	25.43