

# Qube 6.8-4a Release Notes

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@RELEASE: 6.8-4a

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This is a cumulative patch release of the qube-core, supervisor, and worker packages, for all platforms, including several key fixes.

==== CL 17208 ====

@CHANGE: Populate the subjob (instance) objects with more data (like status), and not just the IDs, when subjob info is requested via "qbhostinfo" (qb.hostinfo(subjobs=True) for python API)

Previously, only jobid, subid, and host info (name, address, macaddress) were filled. Now, things like "status", "timestart", "allocations", etc. are properly filled in.

JIRA: QUBE-2073

ZD: 16541

==== CL 17206 ====

@FIX: When "migrate\_on\_frame\_retry" job flag is set, prevent backend from doing further processing (especially another requestwork()) after a work failed

This was causing race-conditions that will get agenda items to be stuck in "retrying" state, while there are no instances processing them.

Now the reportwork() API routine is modified so that if it's invoked to report that a work "failed", and the "migrate\_on\_frame\_retry" is set on the job, it will stop processing (does a long sleep), and let the worker/proxy do the process clean up.

JIRA: QUBE-2202

ZD: 16553

==== CL 17186 ====

@FIX: "VirtualBox Host-Only Ethernet Adapter" now when daemons (supe, worker) try to pick a primary mac address

JIRA: QUBE-2149

ZD: 16561

==== CL 17182 ====

@CHANGE: all classes that inherit from QbObject print as a regular dictionary, no longer have a \_\_repr\_\_ which prints the job data as a single flat string

@NEW: add qb.validatejob() function to python API, help find malformed jobs that crash the user interfaces

==== CL 17141 ====

@FIX: Any job submitted from within a running job picks up the pgrp of the submitting job

By design, if the submission environment has QBGRPID and QBJOBID set, the API's submission routine will set the job's pgrp and pid, respectively to the values specified in the environment variables.

One couldn't override this "inheritance" behavior even by explicitly specifying "pgrp" or "pid" in the job being submitted, for instance with the "-pgrp" command-line option of qbsub.

Fixed, so that setting "pgrp" to 0 on submission means that the job should generate its own pgrp instead of inheriting it from the environment.

JIRA: QUBE-2141

ZD: 16545

==== CL 17101 ====

@NEW: add "-dying" and "-registering" options to qbjobs.

@CHANGE: also add dying and registering jobs to the "-active" filter.

JIRA: QUBE-2091

ZD: 16469

==== CL 16804 ====

@TWEAK: added code to print what operation was requested, when printing out "permission granted to user..."