

hostOrder

By default Qube! chooses any host (Worker) in the list of hosts which qualify. If given a choice, a job is allowed to prefer a particular host based upon its attributes. This is established using the Qube! resources and priorities defined earlier in the [Requirements](#) section of this document.

Any worker resource or property can be specified, but the most commonly used are:

- host.processors
- host.memory
- host.processor_speed

Syntax

[+|-]host.*property*

[+|-]host.*resource*.[total|used|avail]

The + or - in the expression is used to determine if the job would prefer the largest or smallest value possible. If neither is used, + is assumed.

Examples

Command	Meaning
% qbsub --hostorder "host.processor_speed" Render myscene.ma	Choose the fastest host
% qbsub --hostorder "-host.processors.used" Render myscene.ma	Choose the host with the least number of worker slots in use
% qbsub --hostorder "host.processor_speed,host.processors.avail" Render myscene.ma	Choose the fastest host with the most available worker_slots

Notes

The system will use the hostorder specification only when initially choosing the most preferable Worker for the job itself. Once it has chosen a host, it will try to fill it up with instances from the job until the host is full. In other words, the system will *not* attempt to apply the hostorder to select a host for each individual instance.