

# qbpreempt

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## Description

**qbpreempt** requests the Supervisor to tell a job to release its host if and when it can do so without wasting CPU time. The job will be removed from the host when it finishes the frame or agenda item it's working on, and asks the Supervisor for another agenda item. Instead, the Supervisor will instruct the job to "get off" the worker.

The job instance that was removed from the worker will then go back into a pending state, and await re-dispatch as workers again become available.

This command depends upon the job type and will only work if the job that is running supports a qube agenda-based system.

## Usage

```
qbpreempt [options] jobID... | 0
```

where *JobID* is one or more job IDs, and 0 is a wild card token representing all the user's jobs.

## Options

Option	Description
--work	Preempt work (default: on)
--subjob	Preempt subjobs (default: on)
--running	Preempt running jobs
--workrunning	Preempt running work
--subjobrunning	Preempt running subjobs
--user <i>string</i>	Preempt jobs for user <i>string</i>
--type <i>string</i> --prototype <i>string</i>	Preempt jobs with <i>string</i> type
--status <i>string</i>	Preempt jobs with <i>string</i> status (ex. pending)
--name <i>string</i>	Preempt jobs with <i>string</i> name
--kind <i>string</i>	Preempt jobs of <i>string</i> kind
--pid <i>int</i>	Preempt jobs with process ID <i>int</i>
--pgrp <i>int</i>	Preempt jobs in <i>int</i> process group
--priority <i>int</i>	Preempt jobs with <i>int</i> priority
--cluster <i>string</i>	Preempt jobs in <i>string</i> cluster
--cpus <i>int</i>	Preempt jobs with a total of <i>int</i> subjobs
--xml	Output in XML format
--help	Command help
--version	Command version

## Notes

This command only works on jobs which are in the running state.

## Examples

Preempt only subjob 12354.0:

```
% qbpreempt 12354.0
```

Preempt all subjobs in 12345:

```
% qbpreempt 12345
```

Preempt all of user anthony's jobs:

```
% qbpreempt --user anthony 0
```

Preempt all of user anthony's running jobs:

```
% qbpreempt --running --user anthony 0
```

## See also

[qbkill](#)

[qbinterrupt](#)

[qbmigrate](#)