

# qblock

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## Description

**qblock** requests the Supervisor to suspend a job by immediately killing it, and marking it as blocked. This will effectively stop a job and place it in an idle state to be requeued or killed later.

## Usage

```
qblock [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	Block work (default: on)
--subjob	Block subjobs (default: on)
--running	Block running jobs
--pending	Block pending jobs
--workrunning	Block running work
--workpending	Block pending work
--subjobrunning	Block running subjob
--subjobpending	Block pending subjob
--user <i>string</i>	Block jobs for user <i>string</i>
--type <i>string</i> --prototype <i>string</i>	Block jobs with <i>string</i> type
--status <i>string</i>	Block jobs with <i>string</i> status (ex. pending)
--name <i>string</i>	Block jobs with <i>string</i> name
--kind <i>string</i>	Block jobs of <i>string</i> kind
--pid <i>int</i>	Block jobs with process ID <i>int</i>
--pgrp <i>int</i>	Block jobs in <i>int</i> process group
--priority <i>int</i>	Block jobs with <i>int</i> priority
--cluster <i>string</i>	Block jobs in <i>string</i> cluster
--cpus <i>int</i>	Block 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 considered active. Jobs which have already completed will be ignored. (ex. complete, killed, failed)

In order to kill jobs, the user must have either of the following qube privileges:

- block
- admin

Refer to [User Permissions](#) or [qbusers](#) for more detail on the Qube! permission scheme

## Examples

Block only subjob 12354.0:

```
% qbblock 12354.0
```

Block all subjobs in 12345:

```
% qbblock 12345
```

Block all of user anthony's jobs:

```
% qbblock --user anthony 0
```

Block all of user anthony's jobs which are running:

```
% qbblock --running --user anthony 0
```

Block only the jobs which are pending in the list of jobs 11234, 1235, and subjob 1236.0:

```
% qbblock --pending 11234 1235 1236.0
```

## See Also

[qbunblock](#)