
Multi-threading in qjit

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Abstract

Q can be run in a collaborative mode, where it listens for commands over HTTP. This document describes the design and usage of this capability.

1 Configurations

1. To enable the web server
 - (a) Set `is_webserver = true` Default is false
 - (b) Set `web_port`
2. To enable the out of band server, which allows one to make changes to configurations after Q has started.
 - (a) Set `is_out_of_band = true` Default is false
 - (b) Set `out_of_band_port`

Note that the out of band server can be accessed **only** over the internal loopback interface. It cannot be accessed from a machine other than the one where Q is running.

3. Set `initial_master_interested` to false if you want to run in a headless manner. What happens here is that the master thread stays in an endless loop but does nothing except sleep (1 second) each iteration.

To execute the file `foo.lua`, execute `qjit -i -lfoo`. You will not get the prompt back because after qjit has completed executing `foo`, it will go into an infinite (and quiet) loop. See Section ?? to change this behavior

VERIFY ABOVE

TO BE COMPLETED
