

Instances Panel

The Qube! UI Instances Panel

When selecting a job in any [Jobs Panel](#), information about that job's instances is filled into the Instances Panel. The Instances Panel doesn't update automatically, double click on the job to refresh the list. Selecting an instance affects other panels, for example the [Stdout and Stderr Log Panels](#) load the output and error for that instance respectively.

The screenshot shows the Qube! UI interface. The top menu bar includes File, Edit, View, Administration, Submit, and Help. Below the menu is a toolbar with icons for Pending, Running, Failed, Killed, Blocked, and Complete. The main area is divided into two panels. The left panel, titled 'Instances', displays a table of job instances. The right panel, titled 'Stdout Log', shows the output of the selected instance.

Job	ID	Status	Host	Slots Allocated	Started	Elapsed
26	0	complete	Hitch.local	2020/07/23 02:02	9s	
26	1	complete	Hitch.local	2020/07/23 02:02	7s	
26	2	complete	Hitch.local	2020/07/23 02:02	5s	
26	3	complete	Hitch.local	2020/07/23 02:02	5s	
26	4	complete	Hitch.local	2020/07/23 02:02	6s	
26	5	complete	Hitch.local	2020/07/23 02:02	6s	
26	6	complete	Hitch.local	2020/07/23 02:02	9s	
26	7	complete	Hitch.local	2020/07/23 02:02	6s	
26	8	complete	Hitch.local	2020/07/23 02:02	6s	
26	9	complete	Hitch.local	2020/07/23 02:02	7s	

The 'Stdout Log' panel on the right shows the output of the selected instance (Job 26, ID 0). The log includes the following text:

```
1: Job Instance: 26.3
2:
3:
4: [Jul 23, 2020 14:04:12] Hitch.local[9123]: [p26.3] language binding is Dyllib
5: [Jul 23, 2020 14:04:12] Hitch.local[9123]: [p26.3] job type version:
6: loading command line executor.
7: job id: 26.3
8: [Jul 23, 2020 14:04:12] Hitch.local[9123]: requesting work for: 26.3
9: [Jul 23, 2020 14:04:12] Hitch.local[9123]: got work: -1: - waiting
10: [Jul 23, 2020 14:04:12] Hitch.local[9123]: : informing worker[127.0.0.1]
11: : told to wait a retry from supe-- sleeping for [5] seconds
12: [Jul 23, 2020 14:04:17] Hitch.local[9123]: requesting work for: 26.3
13: [Jul 23, 2020 14:04:17] Hitch.local[9123]: complete notification - job done: -1
14: [Jul 23, 2020 14:04:19] Hitch.local[9123]: [p26.3] received confirmation from worker.
15:
16: ===== qube! - retry/request on Jul 23, 2020 14:05:17 =====
17:
18: [Jul 23, 2020 14:05:24] Hitch.local[9201]: [p26.3] language binding is Dyllib
19: [Jul 23, 2020 14:05:24] Hitch.local[9201]: [p26.3] job type version:
20: loading command line executor.
21: job id: 26.3
22: [Jul 23, 2020 14:05:25] Hitch.local[9201]: requesting work for: 26.3
23: [Jul 23, 2020 14:05:25] Hitch.local[9201]: complete notification - job done: -1
24: [Jul 23, 2020 14:05:24] Hitch.local[9201]: [p26.3] received confirmation from worker.
25:
26: ===== qube! - retry/request on Jul 23, 2020 14:06:28 =====
27:
28: [Jul 23, 2020 14:06:35] Hitch.local[9505]: [p26.3] language binding is Dyllib
29: [Jul 23, 2020 14:06:35] Hitch.local[9505]: [p26.3] job type version:
30: loading command line executor.
31: job id: 26.3
32: [Jul 23, 2020 14:06:35] Hitch.local[9505]: requesting work for: 26.3
33: [Jul 23, 2020 14:06:35] Hitch.local[9505]: got work: -1: - waiting
34: [Jul 23, 2020 14:06:35] Hitch.local[9505]: : informing worker[127.0.0.1]
35: : told to wait a retry from supe-- sleeping for [5] seconds
```

Right-clicking on an instance allows you to perform the following actions.

- **Select worker:** Display the Workers Panel and select the worker than ran this instance.
- **Block:** Stop this instance from processing work and set its state to "blocked". This instance will not process any more work until it is manually unblocked or the job is retried.
- **Unblock:** Remove a block from an instance.
- **Complete:** Mark this instance as complete.
- **Interrupt:** Stop this instance from processing any more work, but set its state back to "pending". As with a job's "interrupt" this is typically done to manually free up resources that could be used by higher priority jobs.
- **Migrate:** Stop this instance and set its state back to "pending". Default supervisor settings dictate that the next time this instance starts, it will start on a different machine.
- **Retry:** Restart this instance, regardless of its current state.