
Starting up and shutting down CXbatch

STArt CXbatch

Start CXbatch on the local machine.

SHUtdown [*seconds*]

Shut down CXbatch on the machine on which the command is issued. *seconds* is an integer representing the number of seconds until shutdown.

qmapmgr

The `qmapmgr` utility is used to configure the CXbatch database that maps machine names with machine IDs (MIDs). You can use this utility to display information as well. These commands must be entered from a CONVEX shell. Portions of `qmapmgr` commands that must be typed are capitalized.

QMAPMGR Get Mid *machinename*

Display the MID of the machine specified by *machinename*.

QMAPMGR Get Name *mid*

Display the name of the machine with the MID specified by *mid*.

QMAPMGR SHow

Display all the MIDs and their names in the CXbatch database.

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Q U I C K R E F E R E N C E

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Managing CXbatch queues

qmgr is a system manager's and system operator's interface for managing CXbatch job queues. Portions of **qmgr** commands that must be typed are capitalized.

Entering and exiting **qmgr**

To enter the **qmgr** interface, enter:

```
% qmgr
```

To exit the **qmgr** interface, enter:

```
Mgr: ex
```

Starting a queue

STArT Queue *queuename*

Start a queue with the name specified by *queuename*.

Moving queues

MOVe Queue *queuename des_queue*

Move all requests in a queue specified by *queuename* to a queue specified by *des_queue*.

Halting and purging queues

ABOrt Queue *queuename [seconds]*

Abort all currently running requests in a queue specified by *queuename*. *seconds* is an integer representing the number of seconds until the currently running jobs are aborted. The default for *seconds* is 60. Requests already queued are not deleted, and the queue still accepts new requests.

DIsaBle Queue *queuename*

Disable a queue, specified by *queuename*. Requests already queued are not deleted, but no new requests are accepted.

PurGe Queue *queuename*

Purge the queue specified by *queuename*. All queued requests are deleted, but the queue still accepts new requests.

STOp Queue *queuename*

Stop a queue, specified by *queuename*, after the current request completes. Requests already queued are not deleted, and the queue still

Request operations

CHkPnt Request *request_id*

Checkpoint any request with the ID of *request_id*.

DELeTe Request *request_id [...]*

Delete from a queue any request with the ID of *request_id*.

HOLd Request *request_id [...]*

Hold in a queue any request with the ID of *request_id*. **HOLd** keeps a request in a queue, but does not allow it to run.

MODIfy Request *priority=value request_id [...]*

Modify a request's priority, assigning it an integer value between 0 (zero) and 63, specified by *value*, of a request with the ID of *request_id*. Zero is the lowest priority; 63 is the highest. You cannot modify the priority of a request that is running.

MOVe Request *request_id [...] queuename*

Move any request with the ID of *request_id* to a queue specified by *queuename*.

RELease Request *request_id [...]*

Release from **HOLd** any request with the ID of *request_id*.

REStArT Request *request_id [...]*

Restart from its checkpointed position any request with the ID of *request_id*.

REsUmE Request *request_id [...]*

Resume from its suspended state any request with the ID of *request_id*.

RUn Request *request_id [...]*

Run any request with the ID of *request_id*.

SUSPend Request *request_list*

Suspend execution of a job by first checkpointing it, then killing it. *request_list* is a list of requests to be suspended.

Displaying information

HElP [*command*]

Invoke the **qmgr** help facility and display information about a command specified by *command*. The default for *command* is a listing of available commands.

SHOW *option*

Display information about an option specified by *option*.

SHOW **AlL**

Display standard information about the status of CXbatch queues, managers, operating parameters, and limits.

SHOW **LImits_supported**

Display process and request limits supported on the local machine.

SHOW **LOng Queue** [*queuename [username]*]

Display detailed status information about a queue specified by *queuename* and of a request owned by a user specified by *username*.

SHOW **Managers**

Display a list of authorized CXbatch managers and operators.

SHOW **Parameters**

Display current values for the general CXbatch operating parameters.

SHOW **Queue** [*queuename [username]*]

Display general status information about a queue specified by *queuename* and of a request owned by a user specified by *username*.