



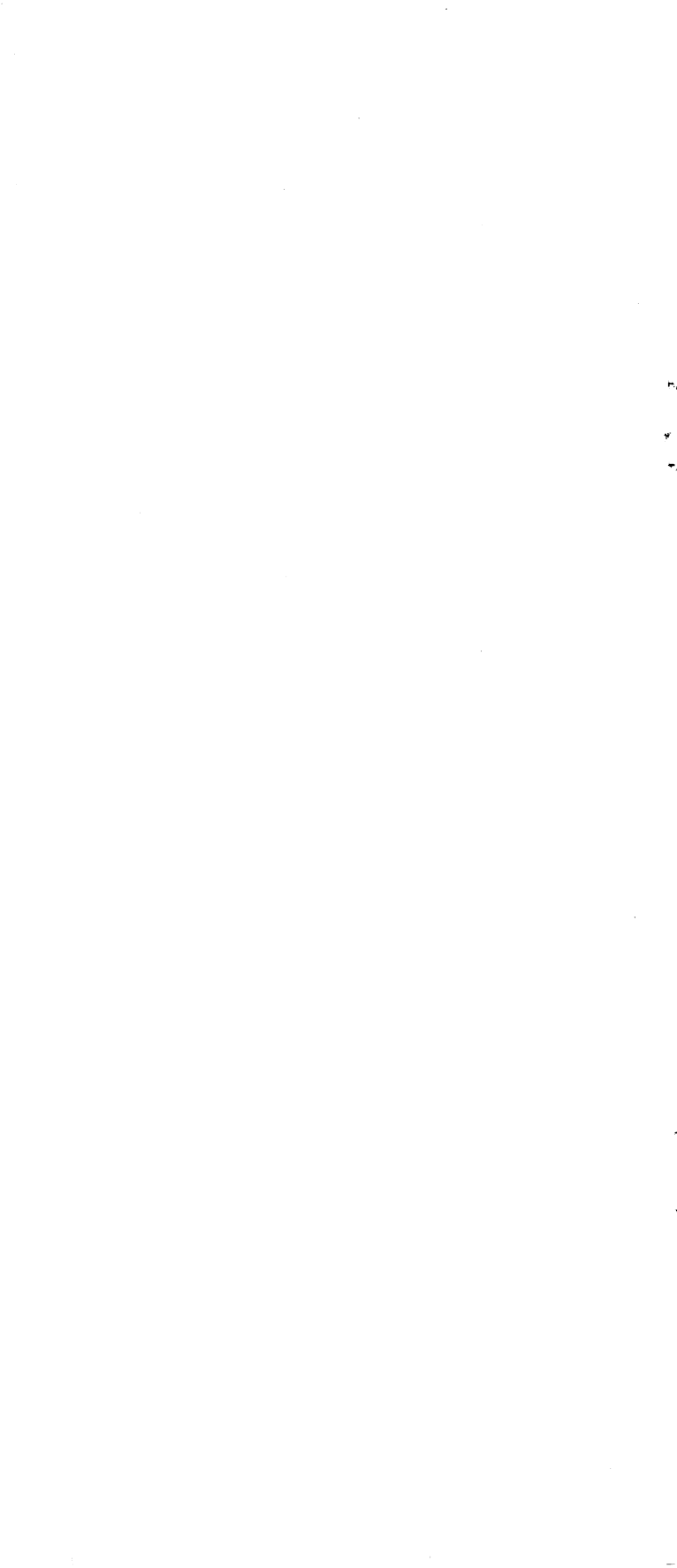
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NQS Admin. Guide  
Quick Reference

Exemplar  
S-Class Servers

Second Edition



**NQS System  
Administration Guide  
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Exemplar S-Class Servers**

B5589-90004

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January 1997

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# NQS System Administration Guide Quick Reference

Exemplar S-Class Servers

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# Managing NQS queues

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

## Entering and exiting `qmgr`

To enter the `qmgr` interface, enter:

```
/opt/nqs/bin/qmgr
```

To exit the `qmgr` interface, enter:

```
Mgr: ex
```

## Starting a queue

**ST**Art Queue *queuename*

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

## Moving queues

**MO**Ve Queue *queuename des\_queue*

Move all requests in a queue specified by *queuename* to a queue specified by *des\_queue*.

## Halting and purging queues

**AB**ort 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.

**DI**sable Queue *queuename*

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

**Pur**ge Queue *queuename*

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

**ST**Op Queue *queuename*

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

## 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*.

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 NQS queues, managers, operating parameters, and limits.

SHOw LIimits\_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 NQS managers and operators.

SHOw Parameters

Display current values for the general NQS 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*.

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## Starting up and shutting down NQS

Use the `qmgr` commands:

`STArt batch+`

Start NQS on the local machine.

`SHUtdown [seconds]`

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

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### **qmapmgr**

The `qmapmgr` utility configures the NQS database that maps machine names with machine IDs (MIDs). Use this utility to display information as well. These commands must be entered from an SPP-UX 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 NQS database.









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