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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'qhold.1p' command***

***\$ man qhold.1p***

QHOLD(1P)                    POSIX Programmer's Manual                    QHOLD(1P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

qhold ? hold batch jobs

### SYNOPSIS

qhold [-h hold\_list] job\_identifier...

### DESCRIPTION

A hold is placed on a batch job by a request to the batch server that manages the batch job. A batch job that has one or more holds is not eligible for execution. The qhold utility is a user-accessible client of batch services that requests one or more types of hold to be placed on one or more batch jobs.

The qhold utility shall place holds on those batch jobs for which a batch job\_identifier is presented to the utility.

The qhold utility shall place holds on batch jobs in the order in which their batch job\_identifiers are presented to the utility. If the qhold utility fails to process any batch job\_identifier successfully, the utility shall proceed to process the remaining batch job\_identifiers, if any.

The qhold utility shall place holds on each batch job by sending a Hold Job Request to the batch server that manages the batch job.

The qhold utility shall not exit until holds have been placed on the batch job corresponding to each successfully processed batch job\_iden? tifier.

## OPTIONS

The qhold utility shall conform to the Base Definitions volume of POSIX.1?2017, Section 12.2, Utility Syntax Guidelines.

The following option shall be supported by the implementation:

`-h hold_list`

Define the types of holds to be placed on the batch job.

The `qhold -h` option shall accept a value for the `hold_list` option-argument that is a string of alphanumeric characters in the portable character set (see the Base Definitions volume of POSIX.1?2017, Section 6.1, Portable Character Set).

The `qhold` utility shall accept a value for the `hold_list` option-argument that is a string of one or more of the characters 'u', 's', or 'o', or the single character 'n'.

For each unique character in the `hold_list` option-argument, the `qhold` utility shall add a value to the `Hold_Types` attribute of the batch job as follows, each representing a different hold type:

- u USER
- s SYSTEM
- o OPERATOR

If any of these characters are duplicated in the `hold_list` option-argument, the duplicates shall be ignored.

An existing `Hold_Types` attribute can be cleared by the following hold type:

- n NO\_HOLD

The `qhold` utility shall consider it an error if any hold type other than 'n' is combined with hold type 'n'.

Strictly conforming applications shall not repeat any of the

characters 'u', 's', 'o', or 'n' within the hold\_list option-argument. The qhold utility shall permit the repetition of characters, but shall not assign additional meaning to the repeated characters.

An implementation may define other hold types. The conformance document for an implementation shall describe any additional hold types, how they are specified, their internal behavior, and how they affect the behavior of the utility.

If the -h option is not presented to the qhold utility, the implementation shall set the Hold\_Types attribute to USER.

## OPERANDS

The qhold utility shall accept one or more operands that conform to the syntax for a batch job\_identifier (see Section 3.3.1, Batch Job Identifier).

## STDIN

Not used.

## INPUT FILES

None.

## ENVIRONMENT VARIABLES

The following environment variables shall affect the execution of qhold:

**LANG** Provide a default value for the internationalization variables that are unset or null. (See the Base Definitions volume of POSIX.1?2017, Section 8.2, Internationalization Variables: the precedence of internationalization variables used to determine the values of locale categories.)

**LC\_ALL** If set to a non-empty string value, override the values of all the other internationalization variables.

**LC\_CTYPE** Determine the locale for the interpretation of sequences of bytes of text data as characters (for example, single-byte as opposed to multi-byte characters in arguments).

## LC\_MESSAGES

Determine the locale that should be used to affect the format

and contents of diagnostic messages written to standard error?

ror.

LOGNAME Determine the login name of the user.

#### ASYNCHRONOUS EVENTS

Default.

#### STDOUT

None.

#### STDERR

The standard error shall be used only for diagnostic messages.

#### OUTPUT FILES

None.

#### EXTENDED DESCRIPTION

None.

#### EXIT STATUS

The following exit values shall be returned:

0 Successful completion.

>0 An error occurred.

#### CONSEQUENCES OF ERRORS

In addition to the default behavior, the qhold utility shall not be required to write a diagnostic message to standard error when the error reply received from a batch server indicates that the batch job\_identifier does not exist on the server. Whether or not the qhold utility waits to output the diagnostic message while attempting to locate the job on other servers is implementation-defined.

The following sections are informative.

#### APPLICATION USAGE

None.

#### EXAMPLES

None.

#### RATIONALE

The qhold utility allows users to place a hold on one or more jobs. A hold makes a batch job ineligible for execution.

The qhold utility has options that allow the user to specify the type

of hold. Should the user wish to place a hold on a set of jobs that meet a selection criteria, such a list of jobs can be acquired using the qselect utility.

The -h option allows the user to specify the type of hold that is to be placed on the job. This option allows for USER, SYSTEM, OPERATOR, and implementation-defined hold types. The USER and OPERATOR holds are distinct. The batch server that manages the batch job will verify that the user is authorized to set the specified hold for the batch job.

Mail is not required on hold because the administrator has the tools and libraries to build this option if he or she wishes.

Historically, the qhold utility has been a part of some existing batch systems, although it has not traditionally been a part of the NQS.

## FUTURE DIRECTIONS

The qhold utility may be removed in a future version.

## SEE ALSO

Chapter 3, Batch Environment Services, qselect

The Base Definitions volume of POSIX.1-2017, Section 6.1, Portable Character Set, Chapter 8, Environment Variables, Section 12.2, Utility Syntax Guidelines

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