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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'qrls.1p' command

\$ man qrls.1p

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

qrls ? release batch jobs

SYNOPSIS

qrls [-h hold_list] job_identifier...

DESCRIPTION

A batch job might have one or more holds, which prevent the batch job from executing. A batch job from which all the holds have been removed becomes eligible for execution and is said to have been released. A batch job hold is removed by sending a request to the batch server that manages the batch job. The qrls utility is a user-accessible client of batch services that requests holds be removed from one or more batch jobs.

The qrls utility shall remove one or more holds from those batch jobs for which a batch job_identifier is presented to the utility.

The qrls utility shall remove holds from batch jobs in the order in which their batch job_identifiers are presented to the utility.

If the qrls utility fails to process a batch job_identifier success?

fully, the utility shall proceed to process the remaining batch job_identifiers, if any.

The qrls utility shall remove holds on each batch job by sending a Release Job Request to the batch server that manages the batch job.

The qrls utility shall not exit until the holds have been removed from the batch job corresponding to each successfully processed batch job_identifier.

OPTIONS

The qrls 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 removed from the batch job.

The qrls `-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 qrls 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 qrls 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 qrls 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 qrls 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 qrls utility, the implementation shall remove the USER hold in the Hold_Types attribute.

OPERANDS

The qrls 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 qrls:

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.

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 qrls 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 qrls 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 qrls utility allows users, operators, and administrators to remove

holds from jobs.

The `qrld` utility does not support any job selection options or wildcard arguments. Users may acquire a list of jobs selected by attributes using the `qselect` utility. For example, a user could select all of their held jobs.

The `-h` option allows the user to specify the type of hold that is to be removed. This option allows for `USER`, `SYSTEM`, `OPERATOR`, and implementation-defined hold types. The batch server that manages the batch job will verify whether the user is authorized to remove the specified hold for the batch job. If more than one type of hold has been placed on the batch job, a user may wish to remove only some of them.

Mail is not required on release because the administrator has the tools and libraries to build this option if required.

The `qrld` utility is a new utility vis-a-vis existing practice; it has been defined in this volume of POSIX.1-2017 as the natural complement to the `qhold` utility.

FUTURE DIRECTIONS

The `qrld` utility may be removed in a future version.

SEE ALSO

Chapter 3, Batch Environment Services, `qhold`, `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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