CyFlex® Knowledge Article

Usercron Utility

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May 26, 2022

Overview

The `usercron` task creates a user specific cron table and then activates `cron` to activate the new table. The `cron` table is created from a user-editable specification file that consists of two sections:

1. An interface to the [cleanup](#) task
2. An interface to the QNX utility `cron`. Refer to [QNX OS Utilities Reference](#) for details on `cron`.

Optionally, the `usercron` task may be spawned via the `go` script.

Starting the Application

Use the following command syntax:

`usercron [`*`filename`*`] &`

where *`filename`* is the name of the spec file containing the cleanup specifications and the cron specifications.

The `usercron` task replaces any of the existing `cron` tasks currently available with the data contained in the specification file. Refer to *Specification File* on page 2.

Specification File

Use a single specification file to specify the `cron` tasks that are generated using the `cleanup` task and also for additional `cron` tasks. There are two sections within the specification file:

1. The first section contains the arguments for the cleanup task within the generated cron file.
2. The second section contains arguments for standard cron tasks and does not use the `cleanup` task.

Example specification file content:

```
##############################################################################
#
# file_filter          max_age(days) max_files disk_capacity_limit recursive
/data/compressed/a*.hst 14    1000  70%   NO
/data/PC_format/b*      60    1000  80%   YES
#
$End of cleanup parameters - end of first section
#
# standard cron format specs
#
# min       hour  date   month  day          command
# (0-59)    (0-23)       (1-31) (1-12) (0-6 with 0=Sun)
  59 23     *     *      *      /asset/bin/xtr_labels
$End - end of second section
#
##############################################################################
```

file_filter - pathname file filter containing the directory and files to delete

max_age   - maximum file age in days

max_files   - maximum number of files

disk_capacity_limit - minimum disk percent used before cleanup is executed.

recursive   - flag for recursion on subdirectories

min   - minute of hour cron task is to execute

hour   - hour of day cron task is to execute

date   - day of month cron task is to execute

month   - month of year cron task is to execute

day   - weekday cron task is to execute

command   - cron task command to be executed