NAME
    sway - Prevents a process from running when the system load is too high.

SYNOPSIS
    sway [**-s** *HIGH*] [**-c** *LOW* | **-k**] [**-m** *N*] *cmd*
    sway [**-s** *HIGH*] [**-c** *LOW* | **-k**] [**-m** *N*] **-p** *pid*
    sway -h

DESCRIPTION
    The **sway** utility monitors the average system load and signals the specified process when the load
    reaches a certain level.

    The process may be started by the utility, or it may be an already running process specified through its
    process ID.

    The process will recieve a STOP signal when the load is too high. Alternatively, a TERM signal may be
    sent to terminate the process. When the load has dropped below safe levels again, a CONT signal will
    be sent (unless the process was terminated).

    -c *LOW*
            Send a CONT signal to the process when the average system load goes beneath *LOW*.

            By default, *LOW* will be approximately 60% of the upper load value specified with **-s** *HIGH*, or
            1.5 if that option is not used.

    -h   Display brief usage information.

    -k   Send a TERM signal to terminate the process at high load levels, rather than stopping it with a
            STOP signal.

            If this option is used, this utility will exit after sending the signal.

    -m *N*   Monitor the average system load every *N* seconds. The monitoring is done using the **uptime**
            command and is using the 5 minute load value.

            By default, monitoring is done every 30 seconds.

    -p *pid* Instead of signalling a process initiated by this utility, send the signals to the already running
            process whose process ID is *pid*.

-s *HIGH*

    Send the STOP signal (or TERM if **-k** is used) to the process if the average system load exceeds *HIGH*.

    The default value for *HIGH* is 2.5.

cmd   A command to run and manage.

EXIT STATUS

The **sway** utility exits 0 on success, and >0 if an error occurs.

SEE ALSO

kill(1) uptime(1)

AUTHORS

Andreas Kusalananda Kähäri (kusalananada.kahari at gmail.com)