

NAME

hires_timeout_enable - enable high resolution timers support

VALUES**Failsafe**

0

Default

0

Allowed values

0: disable

1: enable

Recommended values

0 unless applications require high resolution timers.

DESCRIPTION

hires_timeout_enable is a dynamic tunable that enables/disables support for high resolution timers and timed sleep for the following Application Programming Interfaces (APIs) - **getitimer()**, **nanosleep()**, **semtimedop()**, **setitimer()**, **sigtimedwait()**, **timer_gettime()**, **timer_settime()**, **ualarm()**, **usleep()**, and **pthread_cond_timedwait()**. With the higher resolution, these interfaces can be expected to support time intervals less than the current 10 ms.

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Who Is Expected to Change This Tunable?

System administrators who need higher than default resolution for applications.

Restrictions on Changing

hires_timeout_enable changes take effect immediately. However, changes to this tunable will not affect timed events already queued.

When Should the Value of This Tunable Be Raised?

The value of **hires_timeout_enable** should be set to **1** if applications require higher resolution for proper operation. Changes will be system-wide.

What Are the Side Effects of Raising the Value?

The number of timer-related interrupts may increase.

When Should the Value of This Tunable Be Lowered?

The value of **hires_timeout_enable** may be set to **0** if there is no longer any overriding need for higher than default resolution.

What Are the Side Effects of Lowering the Value?

Fewer timer-related interrupts.

What Other Tunable Values Should Be Changed at the Same Time?

None

WARNINGS

All HP-UX kernel tunable parameters are release specific. This parameter may be removed or have its meaning changed in future releases of HP-UX.

Installation of optional kernel software, from HP or other vendors, may cause changes to tunable parameter values. After installation, some tunable parameters may no longer be at the default or recommended values. For information about the effects of installation on tunable values, consult the documentation for the kernel software being installed. For information about optional kernel software that was factory installed on your system, see *HP-UX Release Notes* at <http://www.hp.com/go/hpux-core-docs>.

AUTHOR

hires_timeout_enable was developed by HP.

hires_timeout_enable(5)

hires_timeout_enable(5)

(Tunable Kernel Parameters)

SEE ALSO

kctune(1M), getitimer(2), nanosleep(2), semop(2), setitimer(2), sigtimedwait(2), timer_gettime(2), timer_settime(2), ualarm(2), usleep(2), pthread_cond_wait(3T).

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