

NAME

wdatwd - device driver for the ACPI WDAT based watchdog interrupt timer

SYNOPSIS

To compile this driver into the kernel, place the following line in your kernel configuration file:

```
device wdatwd
```

Alternatively, to load the driver as a module at boot time, place the following line in loader.conf(5):

```
wdatwd_load="YES"
```

DESCRIPTION

The **wdatwd** driver provides watchdog(4) support for the watchdog interrupt timer in ACPI WDAT (Watchdog Action Table).

Since WDAT itself is an abstraction for the real hardware such as ICH WDT, it must be noted that only one driver can be used at a time, either the real hardware specific driver or this driver.

SYSCTL VARIABLES

The following read-only sysctl(8) variables are available:

dev.wdatwd.%d.running

The status of the watchdog timer. 0 if not running, or 1 if running.

dev.wdatwd.%d.timeout

The current value of the watchdog timeout in millisecond. This can be 0 on some systems, and the zero value means that the default timeout is used.

dev.wdatwd.%d.timeout_configurable

Whether the timeout is configurable or not. It is 0 if configurable or any positive value if not.

dev.wdatwd.%d.timeout_default

The default value of the watchdog timeout in millisecond if any.

SEE ALSO

ichwd(4), watchdog(4), watchdog(8), watchdogd(8), watchdog(9)

Microsoft Corporation, *Hardware Watchdog Timers Design Specification*, Requirements for Hardware Watchdog Timers Supported by Microsoft(R) Windows Vista(R) and Microsoft Windows Server(R)

2008 Operating Systems, <http://msdn.microsoft.com/en-us/windows/hardware/gg463320.aspx>, 2006.

AUTHORS

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