watchdog-parameters.txt
This file provides information on the module parameters of many of
the Linux watchdog drivers. Watchdog driver parameter specs should
be listed here unless the driver has its own driver-specific information
file.

See Documentation/kernel-parameters.txt for information on
providing kernel parameters for builtin drivers versus loadable
modules.

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acquirewdt:
wdt_stop: Acquire WDT 'stop' io port (default 0x43)
wdt_start: Acquire WDT 'start' io port (default 0x443)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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advantechwdt:
wdt_stop: Advantech WDT 'stop' io port (default 0x443)
wdt_start: Advantech WDT 'start' io port (default 0x443)
timeout: Watchdog timeout in seconds. 1<= timeout <=63, default=60.
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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alim1535_wdt:
timeout: Watchdog timeout in seconds. (0 < timeout < 18000, default=60
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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alim7101_wdt:
timeout: Watchdog timeout in seconds. (1<=timeout<=3600, default=30
use_gpio: Use the gpio watchdog (required by old cobalt boards).
        default=0/off/no
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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ar7_wdt:
margin: Watchdog margin in seconds (default=60)
nowayout: Disable watchdog shutdown on close
        (default=kernel config parameter)
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at32ap700x_wdt:
timeout: Timeout value. Limited to be 1 or 2 seconds. (default=2)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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at91rm9200_wdt:
wdt_time: Watchdog time in seconds. (default=5)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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at91sam9_wdt:
heartbeat: Watchdog heartbeats in seconds. (default = 15)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)

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bcm47xx_wdt:
wdt_time: Watchdog time in seconds. (default=30)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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bfin_wdt:
timeout: Watchdog timeout in seconds. (1<=timeout<=((2^32)/SCLK), default=20)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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coh901327_wdt:
margin: Watchdog margin in seconds (default 60s)
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cpu5wdt:
port: base address of watchdog card, default is 0x91
verbose: be verbose, default is 0 (no)
ticks: count down ticks, default is 10000
----
cpwd:
wd0_timeout: Default watchdog0 timeout in 1/10secs
wd1_timeout: Default watchdog1 timeout in 1/10secs
wd2_timeout: Default watchdog2 timeout in 1/10secs
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davinci_wdt:
heartbeat: Watchdog heartbeat period in seconds from 1 to 600, default 60
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ep93xx_wdt:
nowayout: Watchdog cannot be stopped once started
timeout: Watchdog timeout in seconds. (1<=timeout<=3600, default=TBD)
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eurotechwdt:
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
io: Eurotech WDT io port (default=0x3f0)
irq: Eurotech WDT irq (default=10)
ev: Eurotech WDT event type (default is `int')
----
gef_wdt:
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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geodewdt:
timeout: Watchdog timeout in seconds. 1<= timeout <=131, default=60.
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
----
i6300esb:
heartbeat: Watchdog heartbeat in seconds. (1<heartbeat<2046, default=30)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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iTCO_wdt:
heartbeat: Watchdog heartbeat in seconds.
        (2<heartbeat<39 (TCO v1) or 613 (TCO v2), default=30)
nowayout: Watchdog cannot be stopped once started

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                        (default=kernel config parameter)
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iTCO_vendor_support:
vendorsupport: iTCO vendor specific support mode, default=0 (none),
        1=SuperMicro Pent3, 2=SuperMicro Pent4+, 911=Broken SMI BIOS
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ib700wdt:
timeout: Watchdog timeout in seconds. 0<= timeout <=30, default=30.
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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ibmasr:
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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imx2_wdt:
timeout: Watchdog timeout in seconds (default 60 s)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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indydog:
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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iop_wdt:
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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it8712f_wdt:
margin: Watchdog margin in seconds (default 60)
nowayout: Disable watchdog shutdown on close
        (default=kernel config parameter)
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it87_wdt:
nogameport: Forbid the activation of game port, default=0
exclusive: Watchdog exclusive device open, default=1
timeout: Watchdog timeout in seconds, default=60
testmode: Watchdog test mode (1 = no reboot), default=0
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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ixp2000_wdt:
heartbeat: Watchdog heartbeat in seconds (default 60s)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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ixp4xx_wdt:
heartbeat: Watchdog heartbeat in seconds (default 60s)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
------------------------------------------------------
ks8695_wdt:
wdt_time: Watchdog time in seconds. (default=5)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
------------------------------------------------------
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machzwd:
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
action: after watchdog resets, generate:
        0 = RESET(*) 1 = SMI 2 = NMI 3 = SCI
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max63xx_wdt:
heartbeat: Watchdog heartbeat period in seconds from 1 to 60, default 60
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
nodelay: Force selection of a timeout setting without initial delay
        (max6373/74 only, default=0)
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mixcomwd:
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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mpc8xxx_wdt:
timeout: Watchdog timeout in ticks. (0<timeout<65536, default=65535)
reset: Watchdog Interrupt/Reset Mode. 0 = interrupt, 1 = reset
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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mpcore_wdt:
mpcore_margin: MPcore timer margin in seconds.
        (0 < mpcore_margin < 65536, default=60)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
mpcore_noboot: MPcore watchdog action, set to 1 to ignore reboots,
        0 to reboot (default=0
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mv64x60_wdt:
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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nuc900_wdt:
heartbeat: Watchdog heartbeats in seconds.
        (default = 15)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
----
omap_wdt:
timer_margin: initial watchdog timeout (in seconds)
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orion_wdt:
heartbeat: Initial watchdog heartbeat in seconds
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
----
pc87413_wdt:
io: pc87413 WDT I/O port (default: io).
timeout: Watchdog timeout in minutes (default=timeout).
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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pika_wdt:

heartbeat: Watchdog heartbeats in seconds. (default = 15)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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pnx4008_wdt:
heartbeat: Watchdog heartbeat period in seconds from 1 to 60, default 19
nowayout: Set to 1 to keep watchdog running after device release
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pnx833x_wdt:
timeout: Watchdog timeout in Mhz. (68Mhz clock), default=2040000000 (30 seconds)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
start_enabled: Watchdog is started on module insertion (default=1)
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rc32434_wdt:
timeout: Watchdog timeout value, in seconds (default=20)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
----
riowd:
riowd_timeout: Watchdog timeout in minutes (default=1)
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s3c2410_wdt:
tmr_margin: Watchdog tmr_margin in seconds. (default=15)
tmr_atboot: Watchdog is started at boot time if set to 1, default=0
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
soft_noboot: Watchdog action, set to 1 to ignore reboots, 0 to reboot
debug: Watchdog debug, set to >1 for debug, (default 0)
----
sa1100_wdt:
margin: Watchdog margin in seconds (default 60s)
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sb_wdog:
timeout: Watchdog timeout in microseconds (max/default 8388607 or 8.3ish secs)
----
sbc60xxwdt:
wdt_stop: SBC60xx WDT 'stop' io port (default 0x45)
wdt_start: SBC60xx WDT 'start' io port (default 0x443)
timeout: Watchdog timeout in seconds. (1<=timeout<=3600, default=30)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
----
sbc7240_wdt:
timeout: Watchdog timeout in seconds. (1<=timeout<=255, default=30)
nowayout: Disable watchdog when closing device file
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sbc8360:
timeout: Index into timeout table (0-63) (default=27 (60s))
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
----
sbc_epx_c3:
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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sbc_fitpc2_wdt:
margin: Watchdog margin in seconds (default 60s)
nowayout: Watchdog cannot be stopped once started
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sc1200wdt:
isapnp: When set to 0 driver ISA PnP support will be disabled (default=1)
io: io port
timeout: range is 0-255 minutes, default is 1
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
----
sc520_wdt:
timeout: Watchdog timeout in seconds. (1 <= timeout <= 3600, default=30)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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sch311x_wdt:
force_id: Override the detected device ID
therm_trip: Should a ThermTrip trigger the reset generator
timeout: Watchdog timeout in seconds. 1<= timeout <=15300, default=60
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
----
scx200_wdt:
margin: Watchdog margin in seconds
nowayout: Disable watchdog shutdown on close
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shwdt:
clock_division_ratio: Clock division ratio. Valid ranges are from 0x5 (1.31ms)
        to 0x7 (5.25ms). (default=7)
heartbeat: Watchdog heartbeat in seconds. (1 <= heartbeat <= 3600, default=30
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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smsc37b787_wdt:
timeout: range is 1-255 units, default is 60
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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softdog:
soft_margin: Watchdog soft_margin in seconds.
        (0 < soft_margin < 65536, default=60)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
soft_noboot: Softdog action, set to 1 to ignore reboots, 0 to reboot
        (default=0)
----
stmp3xxx_wdt:
heartbeat: Watchdog heartbeat period in seconds from 1 to 4194304, default 19
----
ts72xx_wdt:
timeout: Watchdog timeout in seconds. (1 <= timeout <= 8, default=8)
nowayout: Disable watchdog shutdown on close
----
twl4030_wdt:
nowayout: Watchdog cannot be stopped once started

        (default=kernel config parameter)
----
txx9wdt:
timeout: Watchdog timeout in seconds. (0<timeout<N, default=60)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
----
w83627hf_wdt:
wdt_io: w83627hf/thf WDT io port (default 0x2E)
timeout: Watchdog timeout in seconds. 1 <= timeout <= 255, default=60.
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
----
w83697hf_wdt:
wdt_io: w83697hf/hg WDT io port (default 0x2e, 0 = autodetect)
timeout: Watchdog timeout in seconds. 1<= timeout <=255 (default=60)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
early_disable: Watchdog gets disabled at boot time (default=1)
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w83697ug_wdt:
wdt_io: w83697ug/uf WDT io port (default 0x2e)
timeout: Watchdog timeout in seconds. 1<= timeout <=255 (default=60)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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w83877f_wdt:
timeout: Watchdog timeout in seconds. (1<=timeout<=3600, default=30)
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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w83977f_wdt:
timeout: Watchdog timeout in seconds (15..7635), default=45)
testmode: Watchdog testmode (1 = no reboot), default=0
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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wafer5823wdt:
timeout: Watchdog timeout in seconds. 1 <= timeout <= 255, default=60.
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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wdt285:
soft_margin: Watchdog timeout in seconds (default=60)
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wdt977:
timeout: Watchdog timeout in seconds (60..15300, default=60)
testmode: Watchdog testmode (1 = no reboot), default=0
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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wm831x_wdt:
nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)
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wm8350_wdt:

nowayout: Watchdog cannot be stopped once started
        (default=kernel config parameter)