SCSI Kernel Parameters

See Documentation/admin-guide/kernel-parameters.rst for general information on specifying module parameters.

This document may not be entirely up to date and comprehensive. The command `modinfo -p ${modulename}` shows a current list of all parameters of a loadable module. Loadable modules, after being loaded into the running kernel, also reveal their parameters in /sys/module/${modulename}/parameters/. Some of these parameters may be changed at runtime by the command `echo -n ${value} > /sys/module/${modulename}/parameters/${parm}`.

```
    advansys=       [HW,SCSI]
                    See header of drivers/scsi/advansys.c.

    aha152x=        [HW,SCSI]
                    See Documentation/scsi/aha152x.rst.

    aha1542=        [HW,SCSI]
                    Format: <portbase>[,<buson>,<busoff>[,<dmaspeed>]]

    aic7xxx=        [HW,SCSI]
                    See Documentation/scsi/aic7xxx.rst.

    aic79xx=        [HW,SCSI]
                    See Documentation/scsi/aic79xx.rst.

    atascsi=        [HW,SCSI]
                    See drivers/scsi/atari_scsi.c.

    BusLogic=       [HW,SCSI]
                    See drivers/scsi/BusLogic.c, comment before function
                    BusLogic_ParseDriverOptions().

    gvp11=          [HW,SCSI]

    ips=            [HW,SCSI] Adaptec / IBM ServeRAID controller
                    See header of drivers/scsi/ips.c.

    mac5380=        [HW,SCSI]
                    See drivers/scsi/mac_scsi.c.

    scsi_mod.max_luns=
                    [SCSI] Maximum number of LUNs to probe.
                    Should be between 1 and 2^32-1.

    scsi_mod.max_report_luns=
                    [SCSI] Maximum number of LUNs received.
                    Should be between 1 and 16384.

    NCR_D700=       [HW,SCSI]
                    See header of drivers/scsi/NCR_D700.c.

    ncr5380=        [HW,SCSI]
                    See Documentation/scsi/g_NCR5380.rst.

    ncr53c400=      [HW,SCSI]
                    See Documentation/scsi/g_NCR5380.rst.

    ncr53c400a=     [HW,SCSI]
                    See Documentation/scsi/g_NCR5380.rst.

    ncr53c8xx=      [HW,SCSI]

    osst=           [HW,SCSI] SCSI Tape Driver
                    Format: <buffer_size>,<write_threshold>
                    See also Documentation/scsi/st.rst.

    scsi_debug_*=   [SCSI]
                    See drivers/scsi/scsi_debug.c.

    scsi_mod.default_dev_flags=
                    [SCSI] SCSI default device flags
                    Format: <integer>

    scsi_mod.dev_flags=
                    [SCSI] Black/white list entry for vendor and model
                    Format: <vendor>:<model>:<flags>
                    (flags are integer value)

    scsi_mod.scsi_logging_level=
```

```
                [SCSI] a bit mask of logging levels
                See drivers/scsi/scsi_logging.h for bits.  Also
                settable via sysctl at dev.scsi.logging_level
                (/proc/sys/dev/scsi/logging_level).
                There is also a nice 'scsi_logging_level' script in the
                S390-tools package, available for download at
                https://github.com/ibm-s390-linux/s390-tools/blob/master/scripts/scsi_logging_level

scsi_mod.scan=  [SCSI] sync (default) scans SCSI busses as they are
                discovered.  async scans them in kernel threads,
                allowing boot to proceed.  none ignores them, expecting
                user space to do the scan.

sim710=         [SCSI,HW]
                See header of drivers/scsi/sim710.c.

st=             [HW,SCSI] SCSI tape parameters (buffers, etc.)
                See Documentation/scsi/st.rst.

wd33c93=        [HW,SCSI]
                See header of drivers/scsi/wd33c93.c.
```