NAME
  xpt - CAM transport layer interface

SYNOPSIS
  None.

DESCRIPTION
  The **xpt** driver provides a way for userland applications to issue certain CAM CCBs to the kernel.

  Since the **xpt** driver allows direct access to the CAM subsystem, system administrators should exercise caution when granting access to this driver. If used improperly, this driver can allow userland applications to crash a machine or cause data loss.

KERNEL CONFIGURATION
  There is no kernel configuration required for the **xpt** driver. It is enabled when SCSI support is enabled in the kernel. There is one instance of the xpt driver per CAM transport layer instance. Since there is currently only one CAM transport layer, there will only be one instance of this driver.

IOCTLS
  CAMIOCOMMAND

  This ioctl takes certain kinds of CAM CCBs and passes them through to the CAM transport layer for action. Only the following CCB types are supported:

  XPT_SCAN_BUS
  XPT_RESET_BUS
  XPT_SCAN_LUN
  XPT_ENG_INQ
  XPT_ENG_EXEC
  XPT_DEBUG
  XPT_DEV_MATCH
  XPT_PATH_INQ

  The above CCBs are the only ones supported since it makes more sense to send them through a generic passthrough device rather than a passthrough device tied to a particular underlying SCSI device.

  CAMGETPASSTHRU

  This ioctl takes an XPT_GDEVLIST CCB, and returns the passthrough device corresponding to the device in question.

FILES

/dev/xpt0 Character device node for the **xpt** driver.

DIAGNOSTICS

None.

SEE ALSO

cam(3), cam_cdbparse(3), pass(4), camcontrol(8)

HISTORY

The CAM transport layer driver first appeared in FreeBSD 3.0.

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