NAME

drvconfig – configure the /devices directory

SYNOPSIS

drvconfig [–**b**] [–**d**] [–**a** *alias_name*] [–**c** *class_name*] [–**i** *drivername*]
[–**m** *major_num*] [–**n**] [–**r** *rootdir*]

AVAILABILITY

SUNWcsu

DESCRIPTION

The default operation of **drvconfig** is to create the **/devices** directory tree that describes, in the filesystem namespace, the hardware layout of a particular machine. Hardware devices present on the machine and powered on as well as pseudo-drivers are represented under **/devices**. Normally this command is run automatically after a new driver has been installed (with **add_drv**(1M)) and the system has been rebooted.

/etc/minor_perm file

drvconfig reads the **/etc/minor_perm** file to obtain permission information and applies the permissions only to nodes which it has just created. It does not change permissions on already existing nodes. The format of the **/etc/minor_perm** file is as follows:

*name***:***minor_name permissions owner group*

minor_name may be the actual name of the minor node, or have shell metacharacters to represent several minor nodes (see **sh**(1)).

For example:

sd:* 0640 root sys
zs: [a-z],cu 0600 uucp uucp
mm:kmem 0640 root bin

The above example sets all devices exported by the **sd** node to **0640** permissions, owned by **root**, with group **sys**. In the second example, devices such as **a,cu and z,cu** exported by the **zs** driver are set to **0600** permission, owned by **uucp**, with group **uucp**. The **kmem** device exported by the **mm** driver is set to **0640** permission, owned by **root**, with group **bin**.

OPTIONS

The following options may be of use to system administrators and driver developers:

–**d** Debug. Print out debugging information about the devices it has found.

–**i** *drivername* Only configure the devices for the named driver.

The following options are used by the implementation of **add_drv**(1M) and **rem_drv**(1M), and may not be supported in future versions of Solaris:

–**b** Add a new major number to name binding into the kernel's internal **name_to_major** tables. This option is not normally used directly, but is used by other utilities such as **add_drv**(1M). Use of the –**b** option requires that –**i** and –**m** be used also. No **/devices** entries are created.

–**n** Do not try to load and attach any drivers, or if the –**i** option is given, do not try to attach the driver named *drivername*.

–**a** *alias_name* Add the name *alias_name* to the list of aliases that this driver is known by. This option, if used, must be used with the –**m** *major_num*, the –**b** and the –**i** *drivername* options.

–**c** *class_name*	The driver being added to the system exports the class *class_name*. This option is not normally used directly, but is used by other utilities. It is only effective when used with the –**b** option.
–**m** *major_num*	Specify the major number *major_num* for this driver to add to the kernel's **name_to_major** binding tables.
–**p**	Specify a path-to-instance file as an alternative to the default of **/etc/path_to_inst**.
–**r** *rootdir*	Build the device tree under the directory specified by *rootdir* instead of the default **/devices** directory.

FILES

/devices	device nodes directory
/etc/minor_perm	minor mode permissions
/etc/name_to_major	major number binding
/etc/driver_classes	driver class binding file

SEE ALSO

sh(1), **add_drv**(1M), **devlinks**(1M), **disks**(1M), **modinfo**(1M), **modload**(1M), **modunload**(1M), **ports**(1M), **rem_drv**(1M), **tapes**(1M), **path_to_inst**(4)

NOTES

This document does not constitute an API. **/etc/minor_perm**, **/etc/name_to_major**, **/etc/driver_classes**, and **/devices** may not exist or may have different contents or interpretations in a future release. The existence of this notice does not imply that any other documentation that lacks this notice constitutes an API.