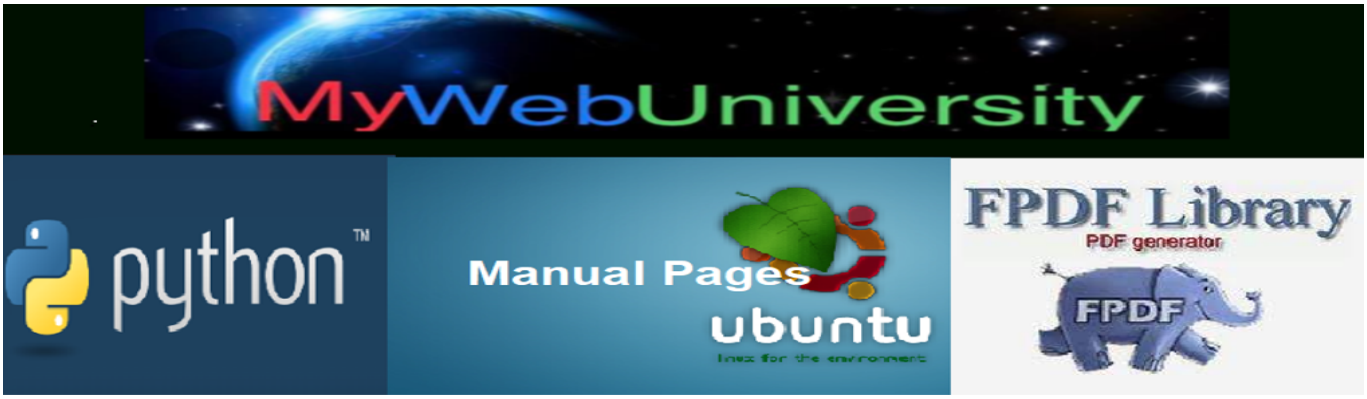

Rocky Enterprise Linux 9.2 Manual Pages on command 'alsatplg.1'

$ man alsatplg.1

ALSATPLG(1) General Commands Manual ALSATPLG(1)

NAME

alsatplg - ALSA Topology Compiler

SYNOPSIS

alsatplg <options> [command]

DESCRIPTION

alsatplg (ALSA Topology compiler) is a program to compile topology configuration file to the binary file for the kernel drivers.

Current audio drivers typically hard code topology information in the driver sources: This tightly couples the audio driver to the development board making it time consuming to mod? ify a driver to work on a different devices. The driver is also tightly coupled to the DSP firmware version meaning extra care is needed to keep the driver and firmware version in sync. New firmware features also mean driver updates.

The ALSA topology project removes the need for re-writing or porting audio drivers to dif? ferent devices or different firmwares: Drivers have no hard coded topology data meaning a single driver can be used on different devices by updating the topology data from the file system. Firmware updates can be pushed without having to update the drivers. The new firmware just needs to include an updated topology file describing the update.

OPTIONS

Available options:

-h, --help

this help

-V, --version

show the utility version and versions of used libraries

-c, --compile FILE

source configuration file for the compilation

-d, --decode FILE

source binary topology file for the decode

-n, --normalize FILE

parse and save the configuration file in the normalized format

-u, --dump FILE

parse and save the configuration file in the specified format

-o, --output FILE

output file

-v, --verbose LEVEL

set verbose level

-s, --sort

sort the configuration identifiers (set for normalization)

-x, --nocheck

save the configuration without additional integrity check

-z, --dapm-nosort

do not sort DAPM graph items (like in version 1.2.1-)

FILES

The master topology files for each supported sound card are in /usr/share/alsa/topology.

For example, the master use case file for the broadwell card is in /usr/share/alsa/topol?

ogy/broadwell/broadwell.conf, this file describes the audio hardware for the driver.

For more details on the syntax of UCM files, see the alsa-lib source code:

http://git.alsa-project.org/?p=alsa-lib.git;a=blob;f=src/topology/parser.c

SEE ALSO

? Topology Interface: http://www.alsa-project.org/alsa-doc/alsa-lib/group__topology.html

BUGS

None known.

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