

NAME

depmod.d - Configuration directory for depmod

SYNOPSIS

```
/etc/depmod.d/*.conf
/run/depmod.d/*.conf
/usr/local/lib/depmod.d/*.conf
/usr/lib/depmod.d/*.conf
/lib/depmod.d/*.conf
```

DESCRIPTION

On execution **depmod** reads the configuration files from the above location and based on that it processes the available modules and their dependencies. For example: one can change the search order, exclude folders, override specific module's location and more.

This is typically useful in cases where built-in kernel modules are complemented by custom built versions of the same and the user wishes to affect the priority of processing in order to override the module version supplied by the kernel.

CONFIGURATION FORMAT

The configuration files contain one command per line, with blank lines and lines starting with '#' ignored (useful for adding comments). A '\' at the end of a line causes it to continue on the next line, which makes the files a bit neater.

See the COMMANDS section below for more.

CONFIGURATION DIRECTORIES AND PRECEDENCE

Configuration files are read from directories in listed in SYNOPSIS in that order of precedence. Once a file of a given filename is loaded, any file of the same name in subsequent directories is ignored.

All configuration files are sorted in lexicographic order, regardless of the directory they reside in. Configuration files can either be completely replaced (by having a new configuration file with the same name in a directory of higher priority) or partially replaced (by having a configuration file that is ordered later).

COMMANDS

search subdirectory...

This allows you to specify the order in which */lib/modules* (or other configured module location) sub-directories will be processed by **depmod**. Directories are listed in order, with the highest priority given to the first listed directory and the lowest priority given to the last directory listed. The special keyword **built-in** refers to the standard module directories installed by the kernel. Another special keyword **external** refers to the list of external directories, defined by the **external** command.

By default, depmod will give a higher priority to a directory with the name **updates** using this built-in search string: "updates built-in" but more complex arrangements are possible and are used in several popular distributions.

override modulename kernelversion modulesubdirectory

This command allows you to override which version of a specific module will be used when more than one module sharing the same name is processed by the **depmod** command. It is possible to specify one kernel or all kernels using the * wildcard. *modulesubdirectory* is the name of the subdirectory under */lib/modules* (or other module location) where the target module is installed.

For example, it is possible to override the priority of an updated test module called **kmod** by specifying the following command: "override kmod * extra". This will ensure that any matching module name installed under the **extra** subdirectory within */lib/modules* (or other module location) will take priority over any likenamed module already provided by the kernel.

external kernelversion absolutemodulesdirectory...

This specifies a list of directories, which will be checked according to the priorities in the **search** command. The order matters also, the first directory has the higher priority.

The *kernelversion* is a POSIX regular expression or * wildcard, like in the **override**.

exclude *excludedir*

This specifies the trailing directories that will be excluded during the search for kernel modules.

The *excludedir* is the trailing directory to exclude.

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SEE ALSO

depmod(8)

BUGS

Please direct any bug reports to kmod's issue tracker at <https://github.com/kmod-project/kmod/issues/> alongside with version used, steps to reproduce the problem and the expected outcome.

AUTHORS

Numerous contributions have come from the linux-modules mailing list <linux-modules@vger.kernel.org> and Github. If you have a clone of kmod.git itself, the output of **git-shortlog(1)** and **git-blame(1)** can show you the authors for specific parts of the project.

Lucas De Marchi <lucas.de.marchi@gmail.com> is the current maintainer of the project.