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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'selabel_media.5' command

\$ man selabel_media.5

selabel_media(5) SELinux API documentation selabel_media(5)

NAME

selabel_media - userspace SELinux labeling interface and configuration
file format for the media contexts backend

SYNOPSIS

```
#include <selinux/label.h>
```

```
int selabel_lookup(struct selabel_handle *hnd,  
                  char **context,  
                  const char *device_name, int unused);
```

```
int selabel_lookup_raw(struct selabel_handle *hnd,  
                      char **context,  
                      const char *device_name, int unused);
```

DESCRIPTION

The media contexts backend maps from media device names such as "cdrom" or "floppy" into security contexts. It is used to find the appropriate context for establishing context mounts on these devices. The returned context must be freed using freecon(3).

selabel_lookup(3) describes the function with its return and error

codes.

The integer lookup argument is currently unused and should be set to zero.

Any messages generated by `selabel_lookup(3)` are sent to `stderr` by default, although this can be changed by `selinux_set_callback(3)`.

`selabel_lookup_raw(3)` behaves identically to `selabel_lookup(3)` but does not perform context translation.

The FILES section details the configuration files used to determine the media context.

OPTIONS

In addition to the global options described in `selabel_open(3)`, this backend recognizes the following options:

SELABEL_OPT_PATH

A non-null value for this option specifies a path to a file that will be opened in lieu of the standard media contexts file.

FILES

The media context file used to retrieve a default context depends on the `SELABEL_OPT_PATH` parameter passed to `selabel_open(3)`. If `NULL`, then the `SELABEL_OPT_PATH` value will default to the active policy media contexts location (as returned by `selinux_media_context_path(3)`), otherwise the actual `SELABEL_OPT_PATH` value specified is used.

The default media contexts file is:

```
/etc/selinux/{SELINUXTYPE}/contexts/files/media
```

Where `{SELINUXTYPE}` is the entry from the `selinux` configuration file

config (see `selinux_config(5)`).

FILE FORMAT

Each line within the media file is as follows:

```
device_name context
```

Where:

```
device_name
```

The media identifier (e.g. `cdrom`, `floppy`, `disk` and `usb`).

```
context
```

The context to be used for labeling the device.

Example:

```
# contexts/files/media  
cdrom system_u:object_r:removable_device_t  
floppy system_u:object_r:removable_device_t  
disk system_u:object_r:fixed_disk_device_t
```

NOTES

If contexts are to be validated, then the global option `SELA?BEL_OPT_VALIDATE` must be set before calling `selabel_open(3)`. If this is not set, then it is possible for an invalid context to be returned.

SEE ALSO

`selinux(8)`, `selabel_open(3)`, `selabel_lookup(3)`, `selabel_stats(3)`,
`selabel_close(3)`, `selinux_set_callback(3)`,
`selinux_media_context_path(3)`, `freecon(3)`, `selinux_config(5)`