

NAME

getfilecon, fgetfilecon, lgetfilecon – get SELinux security context of a file

SYNOPSIS

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

```
int getfilecon(const char *path, char **con);
```

```
int getfilecon_raw(const char *path, char **con);
```

```
int lgetfilecon(const char *path, char **con);
```

```
int lgetfilecon_raw(const char *path, char **con);
```

```
int fgetfilecon(int fd, char **con);
```

```
int fgetfilecon_raw(int fd, char **con);
```

DESCRIPTION

getfilecon() retrieves the context associated with the given path in the file system, the length of the context is returned.

lgetfilecon() is identical to **getfilecon()**, except in the case of a symbolic link, where the link itself is interrogated, not the file that it refers to.

fgetfilecon() is identical to **getfilecon()**, only the open file pointed to by *filedes* (as returned by **open(2)**) is interrogated in place of path.

getfilecon_raw(), **lgetfilecon_raw()** and **fgetfilecon_raw()** behave identically to their non-raw counterparts but do not perform context translation.

The returned context should be freed with **freecon(3)** if non-NULL.

RETURN VALUE

On success, a positive number is returned indicating the size of the extended attribute value. On failure, `-1` is returned and *errno* is set appropriately.

If the context does not exist, or the process has no access to this attribute, *errno* is set to **ENODATA**.

If extended attributes are not supported by the filesystem, or are disabled, *errno* is set to **ENOTSUP**.

The errors documented for the **stat(2)** system call are also applicable here.

SEE ALSO

selinux(8), **freecon(3)**, **setfilecon(3)**, **setfscreatecon(3)**