

**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)**