

NAME

selinux_file_context_cmp – Compare two SELinux security contexts excluding the 'user' component

SYNOPSIS

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

```
int selinux_file_context_cmp(const char *a,  
                             const char *b);
```

DESCRIPTION

selinux_file_context_cmp() compares two context strings excluding the user component with **strcmp(3)** as shown in the **EXAMPLE** section.

This is useful as for most object contexts, the user component is not relevant.

RETURN VALUE

The return values follow the **strcmp(3)** function, where:

- 0 if they are equal.
- 1 if *a* is greater than *b*
- 1 if *a* is less than *b*

ERRORS

None.

NOTES

The contexts being compared do not specifically need to be file contexts.

EXAMPLE

If context *a* is:

```
user_u:user_r:user_t:s0
```

and context *b* is:

```
root:user_r:user_t:s0
```

then the actual strings compared are:

```
:user_r:user_t:s0 and :user_r:user_t:s0
```

Therefore they will match and **selinux_file_context_cmp()** will return zero.

SEE ALSO

selinux(8)