

NAME

avc_compute_create, avc_compute_member – obtain SELinux label for new object

SYNOPSIS

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

```
int avc_compute_create(security_id_t ssid, security_id_t tsid,
                      security_class_t tclass, security_id_t *newsid);
```

```
int avc_compute_member(security_id_t ssid, security_id_t tsid,
                      security_class_t tclass, security_id_t *newsid);
```

DESCRIPTION

avc_compute_create() is used to compute a SID to use for labeling a new object in a particular class based on a SID pair. This call is identical to **security_compute_create()**, but does not require converting from userspace SID's to contexts and back again.

avc_compute_member() is used to compute a SID to use for labeling a polyinstantiated object instance of a particular class based on a SID pair. This call is identical to **security_compute_member()**, but does not require converting from userspace SID's to contexts and back again.

These functions return a SID for the computed context in the memory referenced by *sid*.

RETURN VALUE

On success, zero is returned. On error, -1 is returned and *errno* is set appropriately.

ERRORS**EINVAL**

The *tclass* and/or the security contexts referenced by *ssid* and *tsid* are not recognized by the currently loaded policy.

ENOMEM

An attempt to allocate memory failed.

AUTHOR

Eamon Walsh <ewalsh@tycho.nsa.gov>

SEE ALSO

avc_init(3), **avc_context_to_sid(3)**, **security_compute_create(3)**, **selinux(8)**