

NAME

selabel_digest – Return digest of specfiles and list of files used

SYNOPSIS

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

```
int selabel_digest(struct selabel_handle *hnd,
                  unsigned char **digest, size_t *digest_len,
                  char ***specfiles, size_t *num_specfiles);
```

DESCRIPTION

selabel_digest() performs an operation on the handle *hnd*, returning the results of the SHA1 digest pointed to by *digest*, whose length will be *digest_len*. The list of specfiles used in the SHA1 digest calculation is returned in *specfiles* with the number of entries in *num_specfiles*.

To enable **selabel_digest()** to return this information the **SELABEL_OPT_DIGEST** option must be enabled in **selabel_open(3)**.

The result of **selabel_digest()** must not be used after **selabel_close(3)**.

RETURN VALUE

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

ERRORS**EINVAL**

No digest available (returned if **SELABEL_OPT_DIGEST** option not enabled).

ENOMEM

An attempt to allocate memory failed.

SEE ALSO

selabel_open(3), **selinux(8)**