

**NAME**

thread-keyring – per-thread keyring

**DESCRIPTION**

The thread keyring is a keyring used to anchor keys on behalf of a process. It is created only when a thread requests it. The thread keyring has the name (description) *\_tid*.

A special serial number value, **KEY\_SPEC\_THREAD\_KEYRING**, is defined that can be used in lieu of the actual serial number of the calling thread's thread keyring.

From the **keyctl**(1) utility, '@t' can be used instead of a numeric key ID in much the same way, but as **keyctl**(1) is a program run after forking, this is of no utility.

Thread keyrings are not inherited across **clone**(2) and **fork**(2) and are cleared by **execve**(2). A thread keyring is destroyed when the thread that refers to it terminates.

Initially, a thread does not have a thread keyring. If a thread doesn't have a thread keyring when it is accessed, then it will be created if it is to be modified; otherwise the operation fails with the error **ENOKEY**.

**SEE ALSO**

**keyctl**(1), **keyctl**(3), **keyrings**(7), **persistent-keyring**(7), **process-keyring**(7), **session-keyring**(7), **user-keyring**(7), **user-session-keyring**(7)