

Digital TV CA open()

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\linux-master) (Documentation) (userspace-api) (media) (dvb) ca-fopen.rst, line 2)

Unknown directive type "c.namespace".

```
.. c:namespace:: DTV.ca
```

Name

Digital TV CA open()

Synopsis

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\linux-master) (Documentation) (userspace-api) (media) (dvb) ca-fopen.rst, line 18)

Unknown directive type "c.function".

```
.. c:function:: int open(const char *name, int flags)
```

Arguments

name

Name of specific Digital TV CA device.

flags

A bit-wise OR of the following flags:

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\linux-master) (Documentation) (userspace-api) (media) (dvb) ca-fopen.rst, line 29)

Unknown directive type "tabularcolumns".

```
.. tabularcolumns:: |p{2.5cm}|p{15.0cm}|
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\linux-master) (Documentation) (userspace-api) (media) (dvb) ca-fopen.rst, line 31)

Unknown directive type "flat-table".

```
.. flat-table::
  :header-rows: 0
  :stub-columns: 0
  :widths: 1 16

  - - ``O_RDONLY``
    - read-only access

  - - ``O_RDWR``
    - read/write access

  - - ``O_NONBLOCK``
    - open in non-blocking mode
      (blocking mode is the default)
```

Description

This system call opens a named ca device (e.g. /dev/dvb/adapater?/ca?) for subsequent use.

When an `open()` call has succeeded, the device will be ready for use. The significance of blocking or non-blocking mode is described in the documentation for functions where there is a difference. It does not affect the semantics of the `open()` call itself. A device opened in blocking mode can later be put into non-blocking mode (and vice versa) using the `F_SETFL` command of the `fcntl` system call. This is a standard system call, documented in the Linux manual page for `fcntl`. Only one user can open the CA Device in `O_RDWR` mode. All other attempts to open the device in this mode will fail, and an error code will be returned.

Return Value

On success 0 is returned.

On error -1 is returned, and the `errno` variable is set appropriately.

Generic error codes are described at the [ref: Generic Error Codes <gen-errors>](#) chapter.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\linux-master) (Documentation) (userspace-api) (media) (dvb) ca-fopen.rst, line 71); [backlink](#)

Unknown interpreted text role "ref".