

ioctl NET_ADD_IF

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\[linux-master] [Documentation] [userspace-api] [media] [dvb]net-add-if.rst, line 2)

Unknown directive type "c:namespace".

```
.. c:namespace:: DTV.net
```

Name

NET_ADD_IF - Creates a new network interface for a given Packet ID.

Synopsis

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Unknown directive type "c:macro".

```
.. c:macro:: NET_ADD_IF
```

```
int ioctl(int fd, NET_ADD_IF, struct dvb_net_if *net_if)
```

Arguments

fd

File descriptor returned by `c:func:open()`.

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Unknown interpreted text role "c:func".

net_if

pointer to struct `c:type:dvb_net_if`

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Unknown interpreted text role "c:type".

Description

The NET_ADD_IF ioctl system call selects the Packet ID (PID) that contains a TCP/IP traffic, the type of encapsulation to be used (MPE or ULE) and the interface number for the new interface to be created. When the system call successfully returns, a new virtual network interface is created.

The struct `c:type:dvb_net_if`::ifnum field will be filled with the number of the created interface.

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Return Value

On success 0 is returned, and `:c:type:'ca_slot_info'` is filled.

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Unknown interpreted text role "c:type".

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

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

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