

IPV4_NEW_ADDR

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Chapter 1

File Index

1.1 File List

Here is a list of all files with brief descriptions:

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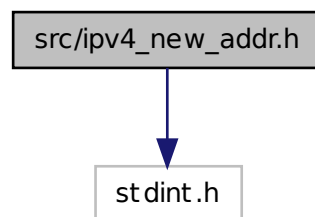
Chapter 2

File Documentation

2.1 src/ipv4_new_addr.h File Reference

```
#include <stdint.h>
```

Include dependency graph for ipv4_new_addr.h:



Typedefs

- typedef int(* [ipv4_new_addr_cb_t](#))(int err_code, uint32_t new_addr, void *p_cookie)
"ipv4_new_addr_cb_t" is the type of callback function to be called when ip address is changed.

Functions

- int [ipv4_new_addr_open](#) (const char *p_ifname, const [ipv4_new_addr_cb_t](#) func, int polling_interval, const void *p_cookie)
"ipv4_new_addr_open()" open a module of detecting IP address changing. When changed, fucn will be executed.
- int [ipv4_new_addr_close](#) (int fd)

"ipv4_new_addr_close()" close a module of detecting IP address changing.

2.1.1 Typedef Documentation

2.1.1.1 `typedef int(* ipv4_new_addr_cb_t)(int err_code, uint32_t new_addr, void *p_cookie)`

"ipv4_new_addr_cb_t" is the type of callback function to be called when ip address is changed.

Parameters

- [in] **err_code** 0 for success, -1 for error. If error happened, this callback should be ignored, and the descriptor should be closed.
- [in] **new_addr** The new IP address. Particularly, when opened, the callback will be called to notify the first new_addr.
- [in, out] **p_cookie** The pointer to the user data.

Returns

NULL for success, and the other values for error.

2.1.2 Function Documentation

2.1.2.1 `int ipv4_new_addr_close (int fd)`

"ipv4_new_addr_close()" close a module of detecting IP address changing.

Parameters

- [in] **fd** The descriptor.

Returns

0 for success, and -1 for error.

2.1.2.2 `int ipv4_new_addr_open (const char * p_ifname, const ipv4_new_addr_cb_t func, int polling_interval, const void * p_cookie)`

"ipv4_new_addr_open()" open a module of detecting IP address changing. When changed, fucn will be executed.

Parameters

- [in] **p_ifname** The network interface name to detect IP address changing.
- [in] **ipv4_new_addr_cb_t** The callback function to be executed when IP address changed.
- [in] **polling_interval** The poling interval.
- [in] **p_cookie** The pointer to the user data.

Returns

It returns a descriptor. If error happened, -1 will return.

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