

**Package IFRENAME - Static Interface
renaming
Version 4.0.0-r60785-testing**

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1. Documentation For Package IFRENAME

1.1. Abstract

ifrename - Rename network interfaces based on various static criterias

Ifrename is a tool allowing you to assign a consistent name to each of your network interfaces.

By default, interface names are dynamic, and each network interface is assigned the first available name (eth0, eth1...). The order in which network interfaces are created may vary. For built-in interfaces, the kernel boot time enumeration may vary. For removable interface, the user may plug them in any order.

Ifrename allows the user to decide what name a network interface will have. Ifrename can use a variety of selectors to specify how interface names match the network interfaces on the system, the most common selector is the interface MAC address.

Ifrename must be run before interfaces are brought up, which is why it's mostly useful in various scripts (init, hotplug) but is seldom used directly by the user. By default, ifrename renames all present system interfaces using mappings defined in `/etc/iftab`

ifrename was designed for use in a ethernet router and not tested with configurations, where internet connections are established over dial-up.

The package changes boot order, disables ethernet interfaces and reactivates them afterwards with their new names assigned. Please pay attention to use these changed names in all config files for the router.

The user is completely responsible for any changes made and to adaptall files accordingly.

You may at first try the functions of this package in avirtual environment at first before adapting it to your working system!

1.2. Konfiguration

OPT_IFRENAME: yes/no - Activation resp. Deactivation of the package

IFRENAME_DEBUG: yes/no - show debug output on the console

1. Documentation For Package IFRENAME

IFRENAME_ETH_N: Number of ethernet interfaces that have to be deactivated before evoking ifrename

IFRENAME_ETH_x_MAC: MAC-Address of the ethernet devices

IFRENAME_ETH_x_NAME: New device name of the ethernet device

A. Appendix For Package IFRENAME

A.1. Some Background

Persistent/consistent network interface names for fli4l

Big distros handle this by setting up udev rules according to a fixed name scheme. This avoids possible name changing of network interfaces with each boot process. Eth0 can for example become Eth4 if they both are of the same type and use the same driver.

In the worst case this could lead to the router becoming randomly inaccessible after a reboot. If your router is far away this is a big problem...

Ifrename was generated from the sources of the wireless-tools

A.2. Verwendung mit KVM/XEN

-ToDo: HowTo for KVM/XEN

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