

# **Package LNK - Creation Of Links**

## **Version 3.10.3**

Christoph Schulz                      the fli4l-Team  
email: [fli4l@kristov.de](mailto:fli4l@kristov.de)              email: [team@fli4l.de](mailto:team@fli4l.de)

July 26, 2015

# Contents

<b>1. Documentation For Package LNK</b>	<b>3</b>
1.1. OPT_LNK - Creation Of Links . . . . .	3
1.1.1. Introduction . . . . .	3
1.1.2. Examples . . . . .	3
1.1.3. Configuration . . . . .	4
<b>A. Appendix For Package LNK</b>	<b>5</b>
A.1. Note Of Thanks . . . . .	5
A.2. License . . . . .	5
<b>List of Figures</b>	<b>6</b>
<b>List of Tables</b>	<b>7</b>
<b>Index</b>	<b>8</b>

# 1. Documentation For Package LNK

## 1.1. OPT\_LNK - Creation Of Links

### 1.1.1. Introduction

With this package it is possible to make links to files/folders during the boot process. This is particularly useful for volatile configuration and log files such as the imonc telephone directory `/etc/phonebook` to prevent losing all changes after the next reboot. Even complete directories can be “moved”, i.e. `/var/log`.

This package is an adaptation of Alexander Krause’s OPT\_LNK package to fli4l 3.x.

### 1.1.2. Examples

To link the directory `/var/log` to the harddisk, change the variables in `config/lnk.txt` like this:

```
OPT_LNK='yes' # 'yes' installs the package to the router
LNK_N='1'      # Number of links, here '1'
LNK_1_OPT='-fs' # Link 1: Options
LNK_1_DST='/var/log' # Link 1: Target
LNK_1_SRC='/data/var/log' # Link 1: Source
```

**Important:** *The target of the link (here: `/var/log`) must be on a writable file system in order to create the folder; so in this case `/var` has to be a writable directory. If not, the link can not be created. Of course the target (here: `/data/var/log`) must exist at the time of link creation.*

**If the target (here: `/var/log`) already exists at the time of link creation, it will be deleted! (this is no problem in the example as at the time of link creation the directory is empty anyway.)**

To make the imonc phone book persistent, at first copy it to a directory on your harddisk (i.e. to `/data/etc/phonebook`) and create an additional link:

```
OPT_LNK='yes' # 'yes' installs the package to the router
LNK_N='2'      # Number of links, here '2'
LNK_1_OPT='-fs' # Link 1: Options
LNK_1_DST='/var/log' # Link 1: Target
LNK_1_SRC='/data/var/log' # Link 1: Source
LNK_2_OPT='-fs' # Link 2: Options
LNK_2_DST='/etc/phonebook' # Link 2: Target
LNK_2_SRC='/data/etc/phonebook' # Link 2: Source
```

### 1.1.3. Configuration

**OPT\_LNK** Setting this to “yes”, activates the package.

**LNK\_N** This variable holds the number of links to be created.

**In the following variables *x* has to be replaced by an index number!**

**LNK\_x\_OPT** With this variable you may change the options transferred to the program “ln” during linking of [Source](#) and [target](#). The default “-fs” is correct in most use cases and should not be changed.

**LNK\_x\_DST** This variable holds the target of the link. By the name provided here you may access the [Source](#) after link creation. As a rule of thumb the target referenced here should not exist.

**Attention: If the target exists it will be deleted without warning!**

**LNK\_x\_SRC** This variable holds the source for the link to be created. This may be a file or a directory.

**Important:** *The source mentioned here has to exist at the time of link creation!*

# A. Appendix For Package LNK

## A.1. Note Of Thanks

The fli4l team explicitly wants to thank Alexander Krause (email: [admin@erazor-zone.de](mailto:admin@erazor-zone.de)), for originally creating and maintaining this package. Without his work it would not have been possible to adapt the package to newer versions of fli4l.

## A.2. License

Copyright ©2002-2004 Alexander Krause (email: [admin@erazor-zone.de](mailto:admin@erazor-zone.de))

Copyright ©2004-2010 Christoph Schulz (email: [fli4l@kristov.de](mailto:fli4l@kristov.de))

Copyright ©2010- The fli4l-Team (email: [team@fli4l.de](mailto:team@fli4l.de))

This program is free software. Please refer to the GNU General Public License for any further details.

You have obtained a copy of this license with this program. If not write to:

Free Software Foundation Inc.  
59 Temple Place  
Suite 330  
Boston MA 02111-1307 USA.

At <http://www.gnu.org/licenses/gpl.txt> the text of the GNU General Public License can be found on the internet.

## List of Figures

# List of Tables

# Index

LNK\_N, [4](#)  
LNK\_x\_DST, [4](#)  
LNK\_x\_OPT, [4](#)  
LNK\_x\_SRC, [4](#)  
OPT\_LNK, [4](#)