

Packet Filtering Module

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2 Historical

2.1 Berekeley Packet Filter

3 Starting and Starting

4 Rule Description

5 User Space Filters

5.1 Summary and Acknowledgment

Most of the module

References

- [1] *LibNL : Userspace netlink library documentation*
<http://www.infradead.org/~tgr/libnl/doc/core.html>
- [2] *The BSD Packet Filter: A New Architecture for User-level Packet Capture*
Steven McCanne and Van Jacobson
<http://www.tcpdump.org/papers/bpf-usenix93.pdf>

1 Introduction

The `pk_filter` module is a test case for supporting the addition of custom packet filtering to the linux kernel. The module is meant to be configurable from user space. The module is configured and operated over netlink sockets. Most of the module was developed as part of the UCSC Linux Kernel class.