

Capturing and injecting packets

Software Technologies - Lecture 8

Saurabh Barjatiya

International Institute Of Information Technology, Hyderabad

3 March, 2010



Contents

- 1 Capturing packets
 - Introduction
- 2 Injecting packets
 - Introduction



Introduction

To capture packets we use libpcap library. This library provides us with very easy interface to capture packets.

Winpcap is very similar to pcap library. One can see Winpcap documentation at

<http://www.mirrorservice.org/.../html/main.html> to learn more about libpcap/Winpcap library.



Contents

- 1 Capturing packets
 - Introduction

- 2 Injecting packets
 - Introduction



Introduction

To inject packets into network we use libnet library. Libnet also provides very sophisticated functions to create packets that can be inserted into network.

We simply use advanced send function of libnet to send hand crafted packet. This allows us to send desired packet without going into details of libnet library. Documentation on libnet is available usually in `/usr/share/doc/libnet*` folders

