



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Computer Networks: Lab 4 - DHCP

Luca Bedogni

Department of Computer Science and Engineering
University of Bologna

A brief introduction

- DHCP automatically assigns IP addresses to client who request them
- Some Ips may be assigned always to the same host
- How to recognize them? MAC Address
- We need the *dhcp-ethereal-trace-1* from the *wireshark-traces.zip* file



Lab4

- Open the *dhcp-ethereal-trace-1* file
 - What is the IP address of your computer?
 - What is the MAC Address of your computer?
 - In what a DHCP DISCOVER and a DHCP REQUEST differ?
 - Since the client does not have an IP until the DHCP assigns an IP address to it, what IPs are used?
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- What is the IP address of the DHCP server?
 - Before having the IP assigned, how can I determine which IP is the DHCP server offering me?
 - What are the Domain Name Servers?
 - How long did I kept my IP address?
 - For how long can I keep it?

