

# NASA #HW1

## Network Administration

### Part 1

(a) filter: telnet && ip.dst==140.112.172.11

id: LesMiserable

password: SECRET

Data: s

Data: G

Data: o

Data: s

Data: s

Data: i

Data: p

Data: i

Data: n

Data: g

Data: \r

Data: \r

Data: /

Data: \357\277\275oP\357\277\275\357\277\275

Data: \r

(b)

application layer: telnet

transport layer: TCP

(c)

user computer: physical, link, network, transport, application

router: physical, link, network

switch: physical, link

ptt server: physical, link, network, transport, application

## Part 2

(a)

DHCP belongs to the application layer. It can dynamically distribute IP addresses to interfaces and devices.

(b)

查詢自身網卡的 IP 設定值：ifconfig

測試自我網路環境是否正常：ping6 ::1

測試 default gateway 是否正常

測試路由器是否正常

(c)

*Governments of the Industrial World, you weary giants of flesh and steel, I come from Cyberspace, the new home of Mind. On behalf of the future, I ask you of the past to leave us alone. You are not welcome among us. You have no sovereignty where we gather. -from "A Declaration of the Independence of Cyberspace"*

*access time: 3/11 17:09*