### FTP extensions for IPv6

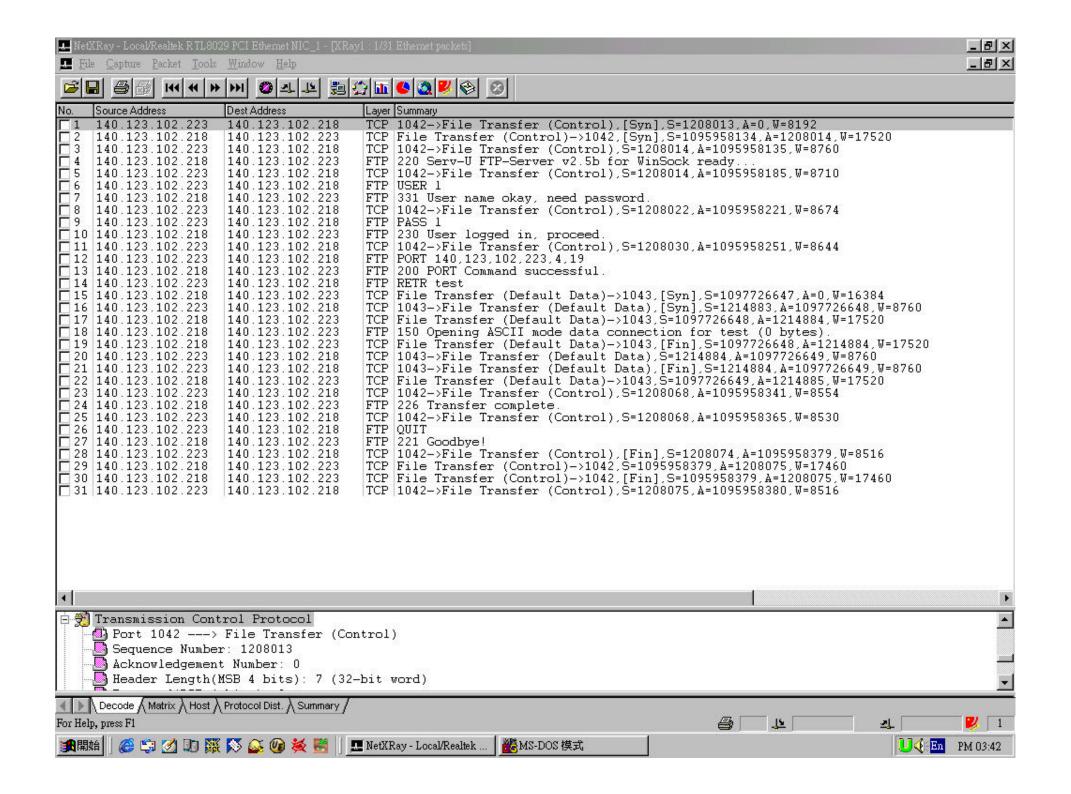
yhmiu

#### Introduction

- Traditional FTP assumes the underlying network protocol using 32-bit network address
- Improvement
  - Regardless of IPv4 or IPv6, FTP has the ability to negotiate the network protocol

#### Ftp commands

- Access control commands
  - Such as USER, PASS, CWD, QUIT, ..etc
- Transfer parameter commands
  - Can use these commands to change data transfer parameters default value
  - Such as PORT, PASV, TYPE, ...etc
- Ftp service commands
  - Such as RETR, STOR, ....etc



# The commands that should be modified

- 和address有關的commands
  - PORT
  - PASV
- Traditional FTP commands PORT and PASV are replaced with EPRT and EPSV

## The EPRT command (1)

EPRT<space><d><net-prt><d><netaddr><d><tcp-port><d>

## The EPRT command (2)

AF Number	Protocol
1	IPv4
2	IPv6

### The EPRT command (3)

- Example
  - EPRT |1|132.235.1.2|6275|
  - EPRT |2|1080::8:800:200C:417A|5282|

#### The EPSV command

- Request that a server listen on a data port and wait for a connection
- EPSV<space><d><net-prt><d><netaddr><d><tcp-port><d>

用法和EPRT一樣

目前其net-prt和net-addr欄填空白,將來或許有用處