

# HW4

## Mail Server

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2015-05-28

# Basic Server

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- ❑ Get you own domain
  - Add a MX record for your mail server
  
- ❑ SMTP Server
  - SMTP
  - SMTPs
  - SASL Authentication
  
- ❑ POP3/IMAP Server
  - POP3 & IMAP
  - POP3s & IMAPs
    - mail/dovecot

# Filter

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## ❑ MTA filter

- Add ‘\*\*\* SPAM \*\*\*’ tag in subject
  - security/amavisd-new

## ❑ MDA filter

- Record all log to /var/log/procmail.log
- Drop the mail whose subject contains keyword “五五六六”
  - mail/procmail

# Rewrite

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## ❑ Transport

- The next-hop destination of `nahw4.nctucs.net` should be `nasa.cs.nctu.edu.tw`

## ❑ Alias

- `demo@your-domain` → `user@your-domain`

## ❑ Rewriting

- Redirect `user+demo@your-domain` to `user@your-domain`

## ❑ Address masquerading

- From `user@your-domain` instead of `user@sub.your-domain`
- All users except root

## ❑ Mailman (mailing list)

- `mail/mailman`

# Verification

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## ❑ Sender Address Verification

- Disconnect suspicious SMTP clients
- Deny from **dynamic** host
  - For example, 211-76-240-234.dynamic.ntcu.net

## ❑ DKIM signature and verification

- mail/dkimproxy

# Others

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## Webmail (one of below)

- horde
- roundcube
- squirrelmail

## Greylisting

- mail/postgrey

# Bonus 1

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## ❑ Real-time Blackhole List (RBL)

- <http://www.spamhaus.org/>

## ❑ Whitelist

- <http://www.spamhauswhitelist.com>
- <http://www.dnswl.org/>

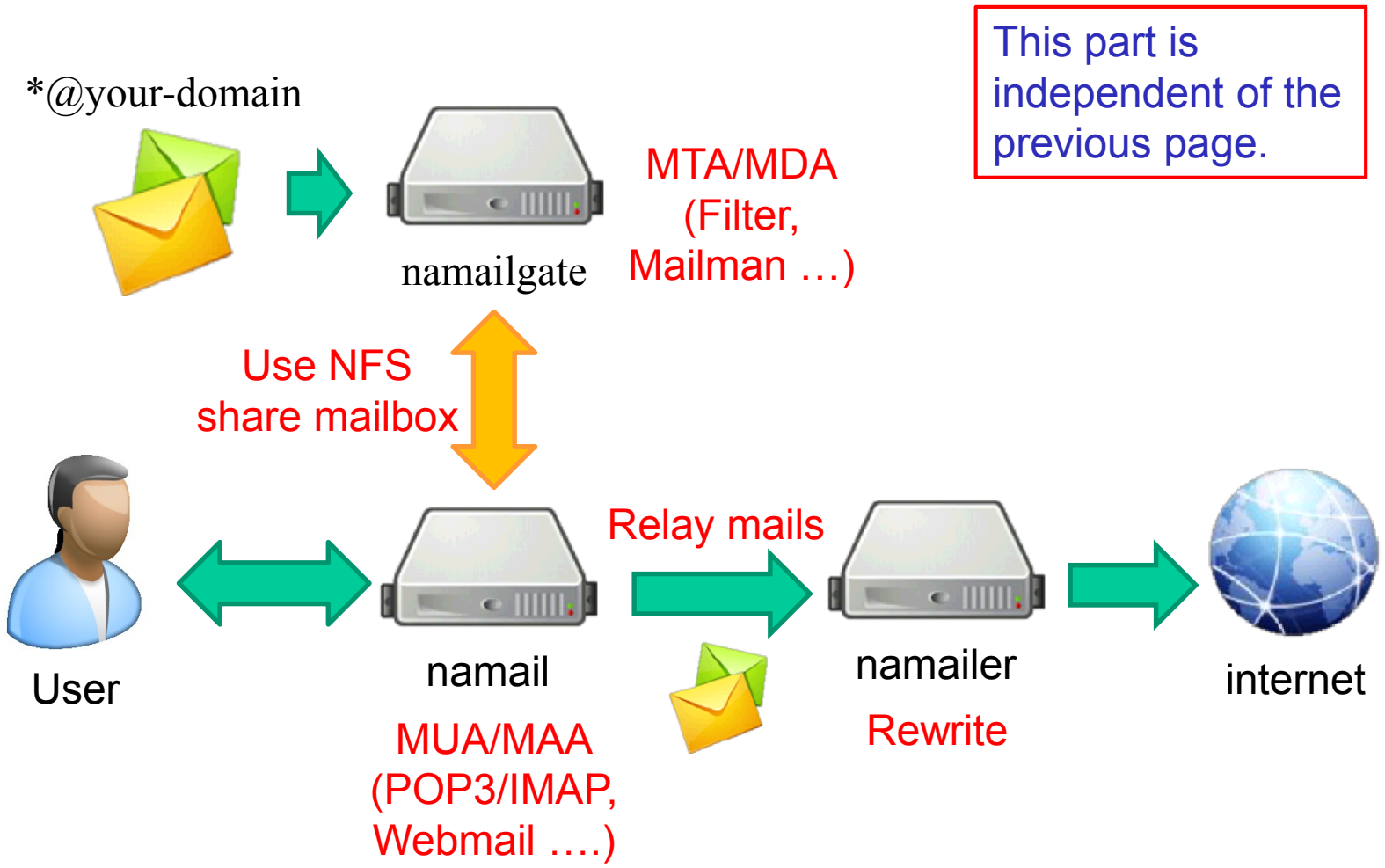
## ❑ SPF record and check

- sid-milter
- A SPF record for your server
  - <http://www.mailradar.com/spf/>

## ❑ Block virus

- security/clamav

# Bonus2





# Hand-in

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❑ Book demo: 2015-06-04, 05

❑ Demo: 2015-06-08, 09, (10 maybe)

# Need Help?

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- ❑ IRC channel #nctuNASA on freenode
- ❑ BBS bs2.to board CS-SysAdmin
- ❑ Email ta@nasa.cs.nctu.edu.tw
- ❑ Goto CSCC to ask professional 3F!
  
- ❑ Read this article before you asking a question:
  - <https://code.google.com/p/smartquestions/> (Traditional Chinese)
  - <http://www.catb.org/~esr/faqs/smart-questions.html> (English)

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# Q & A