System Administration Practice Homework 1-3 : Chinese World

lctseng

Requirements (1)

- ❏ Basic system (40%)
    - ❏ Build a basic X Server and Window Manager(with Display Manager) and Wine
- ❏ Software Rank B (20%)
- ❏ Software Rank A (20%)
- ❏ Software Rank S (25%)
- ❏ Bonus (Up to 15%)
- ❏ Choose to install one application for each category
    - ❏ You still can install more than one for precaution
    - ❏ * for recommended

Requirements (2)

❑ There are many applications bundled with KDE, but…

❑ You need to demo with your NEWLY INSTALLED applications
  ❑ 0 credits for using bundled application
    ❑ Exception: that application is listed on slides
  ❑ Guide line: use the software listed on the slides

❑ Meet the requirements listed after each software to get points

Requirements (3)

❏ Attention!
❏ TA WON'T tell you which command to execute during demo
   - ❏ We have checklist for you
   - ❏ Make a demo flow for yourself
   - ❏ Time limit: 20~30(暫定) minutes for you to demo HW1
      - ❏ You get points according to your demo during time limit
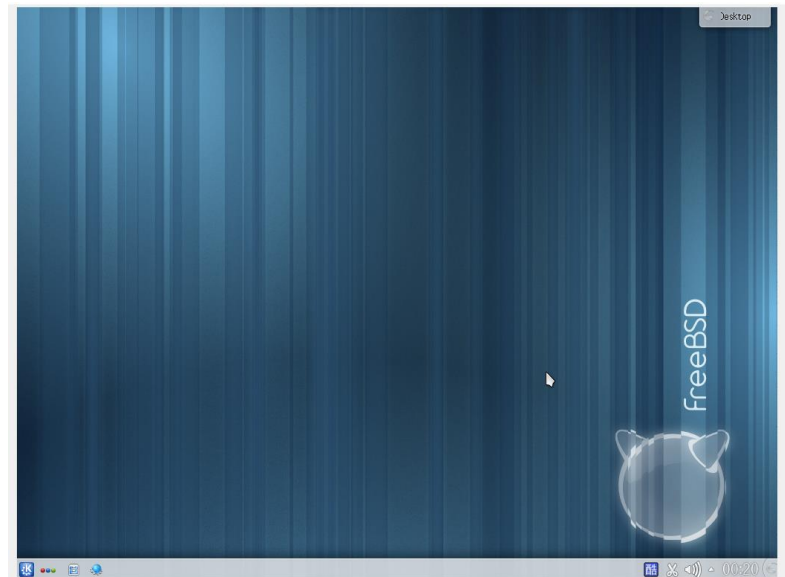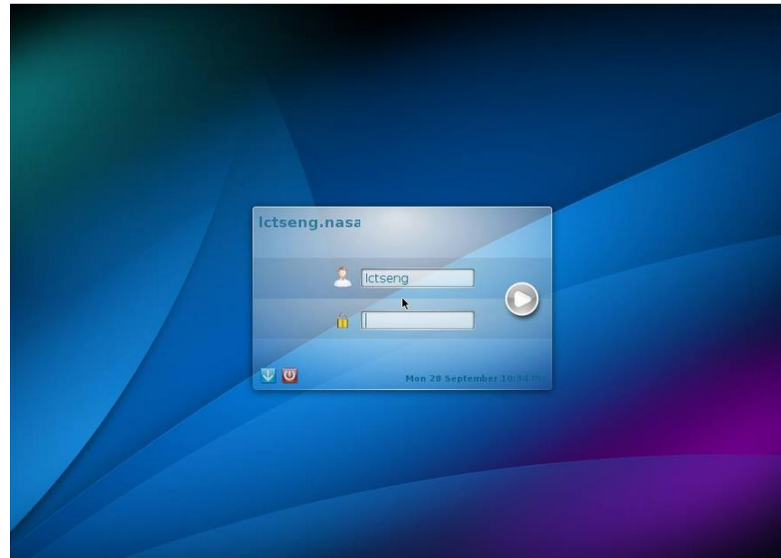   - ❏ No further grading when time limit exceeds

Base system (40%) (1)

❑ FreeBSD base system (a.k.a Hw1-1) (5%)
   ❑ No points for having any errors
   ❑ Find your id and show that you have no error
   ❑ Make sure your record is correct before 10/1 23:59

IP	ID	User	Hostname	Timestamp	Status
140.113.140.33	0116211	ychung	ychung	2015-09-25 10:51:14.502954	VIEW
140.113.126.31	0416248	0416248	0416248	2015-09-24 22:13:25.081864	VIEW
140.113.141.120	0316220	Gina	namelesscat	2015-09-25 02:02:52.493402	VIEW
140.113.123.106	0116084	kltsai	sa.com	2015-09-25 21:18:18.363103	VIEW
140.113.66.22	0116055	ssuyi	sabsd.ssuyi.me	2015-09-28 17:45:43.936670	VIEW
114.25.207.236	0416040	Kaiyeh	Ky	2015-09-26 00:42:57.456219	VIEW
140.113.67.34	0111036	Kevin	KevinBSD	2015-09-24 23:35:19.406347	VIEW

Base system (40%) (2)

❏ X server + Window manager (total 12%)
   ❏ Basic Xorg (can see simplest windows) (5%)
   ❏ Window Manager (desktop enviromnent) (4%)
   ❏ Display Manager (friendly login screen) (3%)

Base system (40%) (3)

❑ Chinese support (total 13%)
  ❑ KDE with Chinese (display) (3%)

Base system (40%) (4)

❑ Chinese support (total 13%)
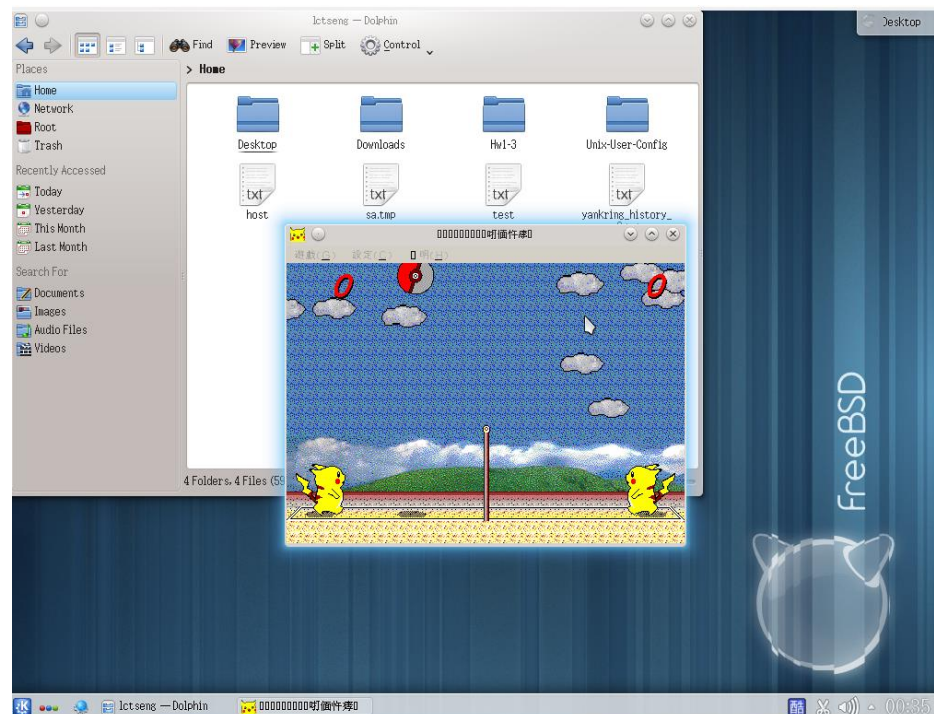
   ❑ Display commands with Chinese (5%)

      ❑ E.g. date

   ❑ Typing Chinese in your terminal (with Chinese support, e.g. ROXTerm) (5%)
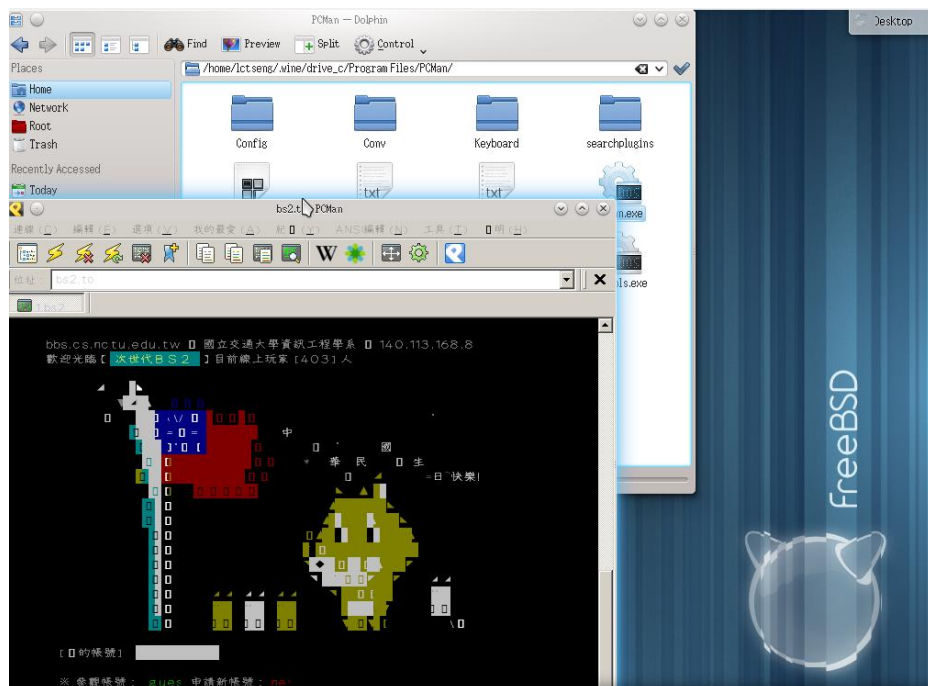
      ❑ Create a directory with Chinese name

Base system (40%) (5)

❑ Wine (total 10%)
- ❑ Play: 皮卡丘打排球 (4%)
  - ❑ Play a game without any error
  - ❑ Download this game:
    - ❑ https://nasa.cs.nctu.edu.tw/2015sahw1/files/Volleyball.exe

Base system (40%) (6)

❑ Wine (total 10%)
  - ❑ Install PCMan for windows and run it (3 %)
    - ❑ Path: ~/.wine/drive_c/ProgramFiles/PCMan
    - ❑ Download the installer
      - ❑ https://nasa.cs.nctu.edu.tw/2015sahw1/files/PCMan.exe
  - ❑ With Chinese support (3%)

Software Rank B (20%)

- ❏ Terminal (5%)
  - ❏ rxvt-unicode*
  - ❏ ROXTerm*
  - ❏ xterm
  - ❏ eterm
  - ❏ aterm
- ❏ FTP client (2%)
  - ❏ filezilla*
- ❏ Mail client (6%)
  - ❏ Thunderbird*
  - ❏ Evolution

- ❏ Instant Messenger (3%)
  - ❏ pidgin*
- ❏ PDF reader (2%)
  - ❏ Xpdf *
  - ❏ evince
  - ❏ mupdf
- ❏ Browser (2%)
  - ❏ Firefox*
  - ❏ Opera
  - ❏ Chromium

Software Rank B – Requirement (1)

❑ Terminal (total 5%)

- ❑ rxvt-unicode*

- ❑ ROXTerm*

- ❑ xterm

- ❑ eterm

- ❑ Aterm

❑ Requirements

- ❑ ssh to ssh.bs2.to (bbs) (1%)

  - ❑ `$ ssh bbsu@ssh.bs2.to`

- ❑ Chinese support (4%)

  - ❑ Above command using UTF-8 (not Big5!)

  - ❑ You must have correct encoding in env. variables
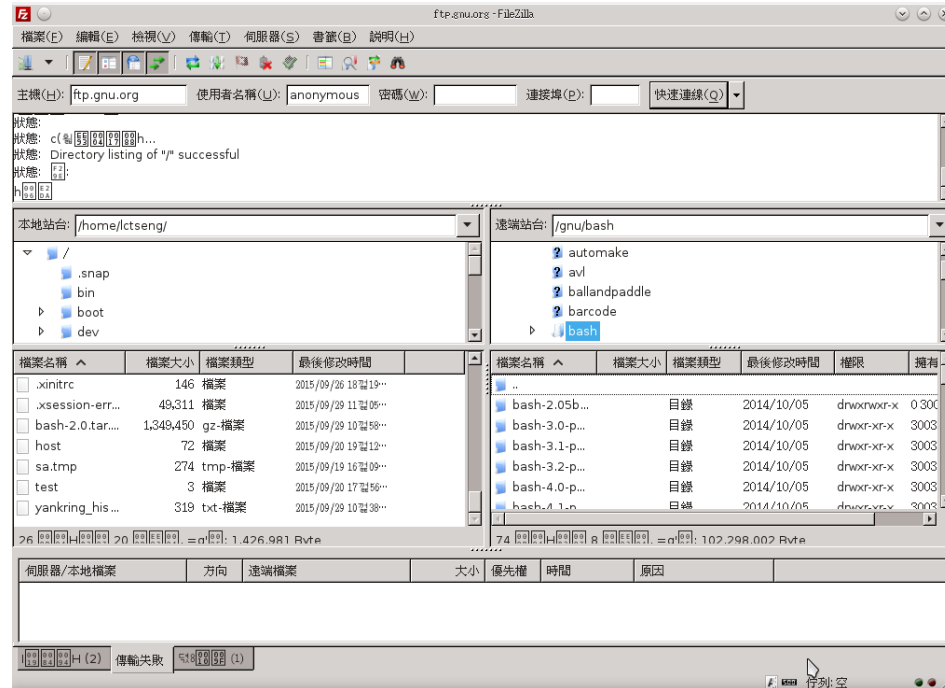
Software Rank B – Requirement (2)

❑ FTP client (total 2%)
  ❑ filezilla*

❑ Requirements

  ❑ Download files from ftp://ftp.gnu.org/gnu/bash (1%)

  ❑ Display in Chinese (1%)

Software Rank B – Requirement (3)

❏ Mail client (total 6%)
  ❏ Thunderbird*
  ❏ Evolution
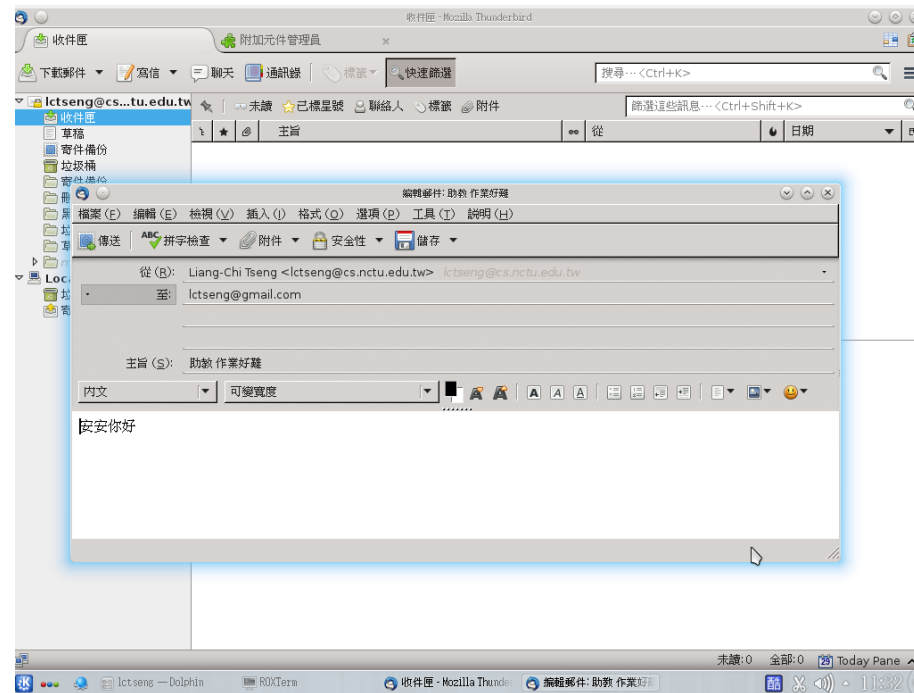
❏ Requirements

  ❏ Send mails (2%)

  ❏ Receive mails (2%)
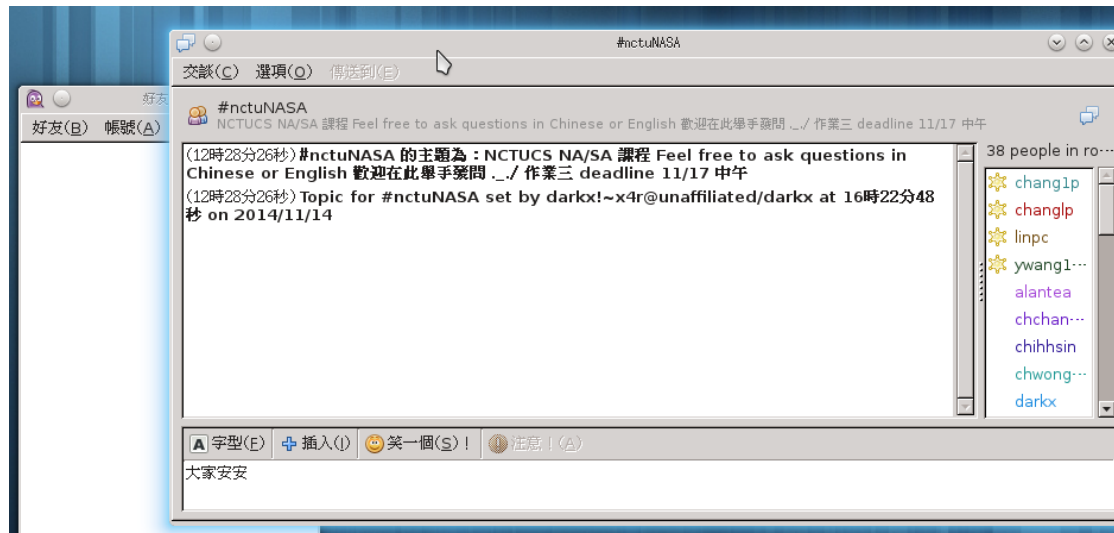
  ❏ Chinese support

    ❏ display (1%)

    ❏ input (1%)

  ❏ Note: don't sent to yourself

Software Rank B – Requirement (4)

❑ Instant Messenger (total 3%)
  ❑ pidgin*

❑ Requirements
  ❑ Join #nctuNASA IRC group (1%)
  ❑ Can see Chinese (1%)
  ❑ Input in Chinese (1%)

Software Rank B – Requirement (5)
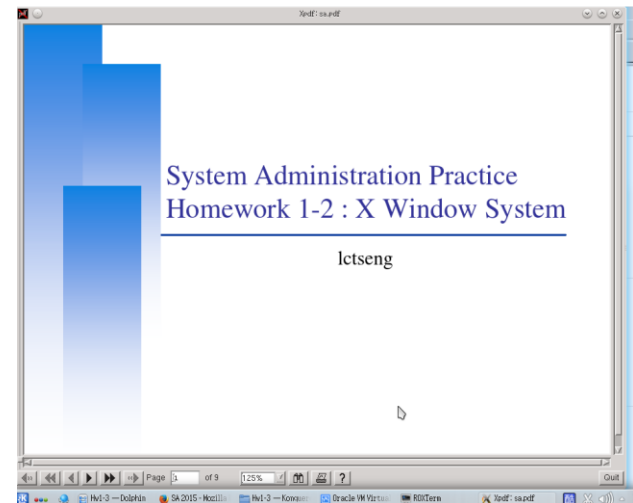
- ❏ PDF reader (2%)
    - ❏ xpdf *
    - ❏ evince
    - ❏ mupdf
- ❏ Requirements
    - ❏ Open any PDF file with applications listed above
    - ❏ You can download PDF files from here
        - ❏ https://nasa.cs.nctu.edu.tw/sa/2015/

Software Rank B – Requirement (6)

❏ Browser (total 2%)
- ❏ Firefox*
- ❏ Opera
- ❏ Chromium

❏ Requirements
- ❏ Open http://www.cs.nctu.edu.tw (1%)
- ❏ Chinese interface (1%)

Software Rank A (20%)

❏ Browser (10%)
  (with Flash support)
  ❏ Firefox*
  ❏ Opera
  ❏ Chromium
❏ Multimedia : Video, Audio(4%)
  ❏ Mplayer*
  ❏ VLC
  ❏ Xmms
❏ BBS client (2%)
  ❏ pcmanx*

❏ Pictures editor/viewer (2%)
  ❏ Gimp*
❏ Remote desktop (2%)
  ❏ freeNX
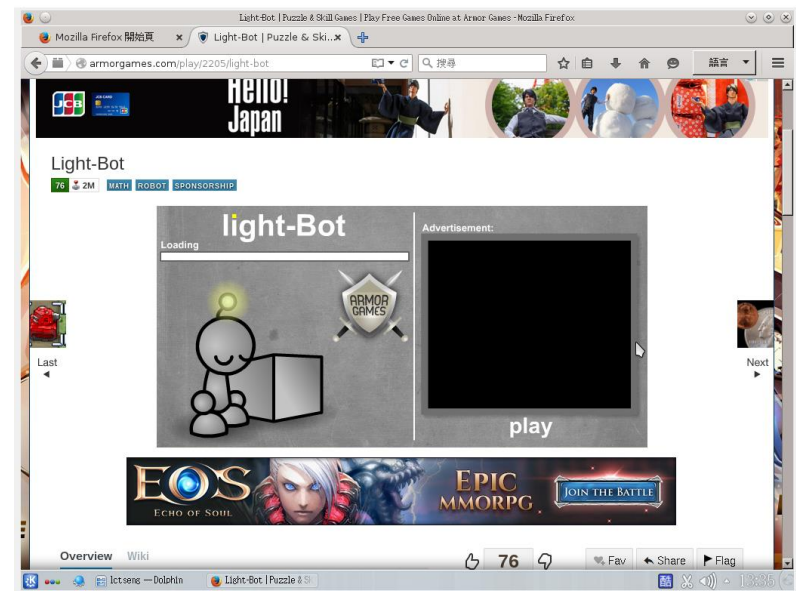   ❏ (32bits only)
  ❏ tightvnc
  ❏ tigervnc
  ❏ Tsclient
  ❏ Remmina
  ❏ vinagre

Software Rank A – Requirement (1)

❏ Browser (with Flash support) (10%)
  ❏ Firefox*
  ❏ Opera
  ❏ Chromium
❏ Requirement
  ❏ http://armorgames.com/play/2205/light-bot
  ❏ Play this flash game *normally*

Software Rank A – Requirement (2)

❑ Multimedia : Video, Audio(total 4%)
  ❑ Mplayer*
  ❑ VLC
  ❑ Xmms

❑ Requirement
  ❑ Play this video (with audio) (1%)
    ❑ Video: https://nasa.cs.nctu.edu.tw/2015sahw1/files/sahw1.mp4
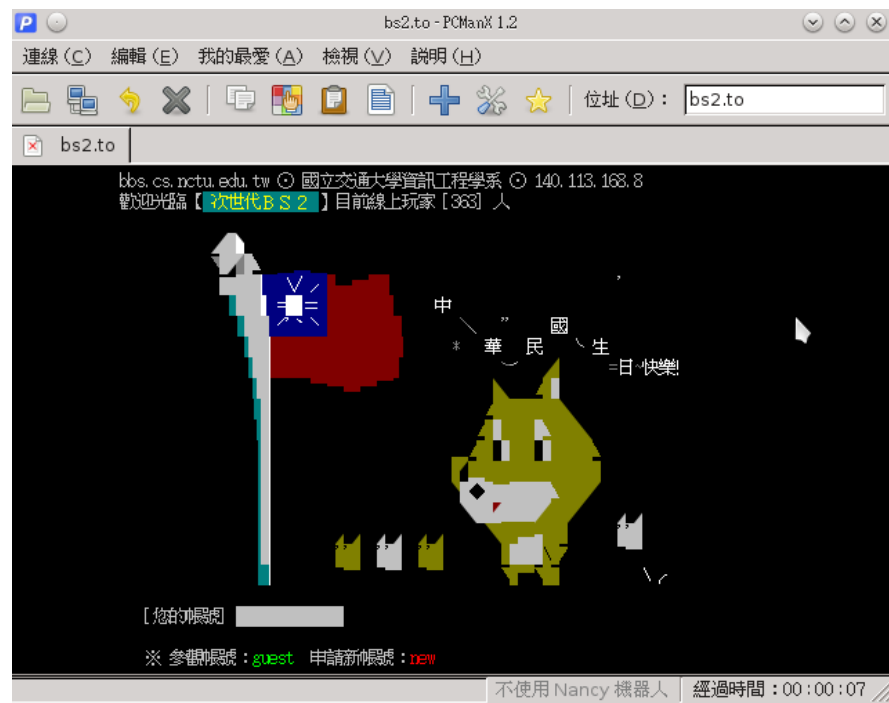   ❑ Subtitle: https://nasa.cs.nctu.edu.tw/2015sahw1/files/sahw1.srt
  ❑ Load subtitle (1%)
  ❑ Show Chinese subtitle (2%)
    ❑ Attention! This subtitle is encoded in UTF-8 w/ BOM

Software Rank A – Requirement (3)

❑ BBS client (total 2%)
  ❑ pcmanx*
❑ Requirement
  ❑ Connect to bs2.to (1%)
  ❑ Chinese support (1%)

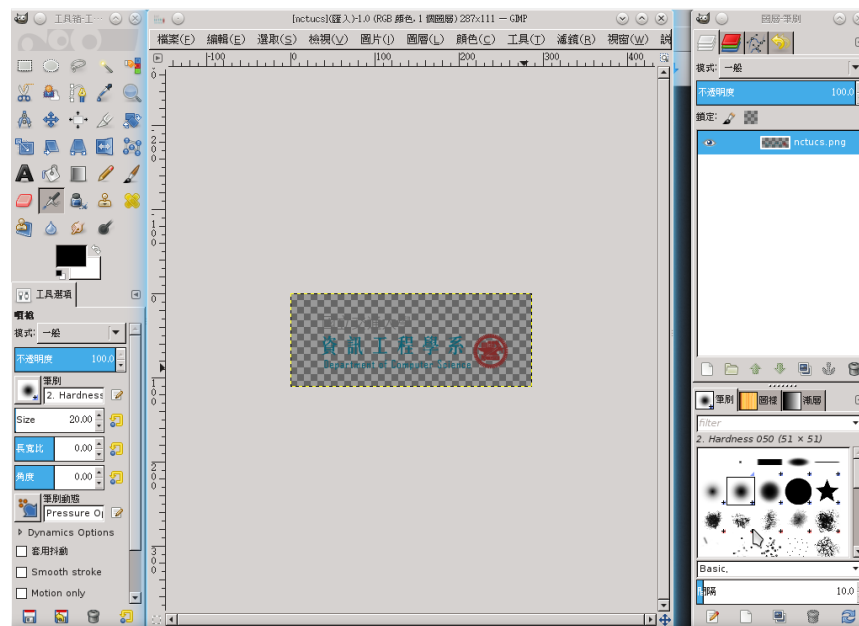# Software Rank A – Requirement (4)

❑ Pictures editor/viewer (2%)
   ❑ Gimp*
❑ Requirement
   ❑ Download and edit the picture
      ❑ https://nasa.cs.nctu.edu.tw/2015sahw1/files/nctucs.png

Software Rank A – Requirement (5)

❏ Remote desktop (2%)
- ❏ freeNX
  - ❏ (32bits only)
- ❏ tightvnc
- ❏ tigervnc
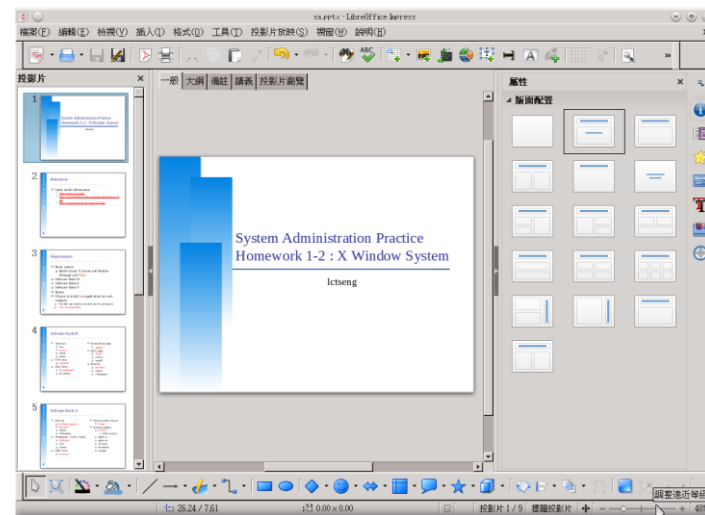- ❏ tsclient
- ❏ remmina
- ❏ vinagre

❏ Requirement
- ❏ Connect to TA's VNC server, announce when demo
- ❏ You can connect to your own computer for testing

Software Rank S (25%)

❏ Office (4%)
   ❏ openoffice
   ❏ libreoffice*

❏ P2P software (3%)

   ❏ transmission*

   ❏ deluge
❏ Virtual Machine
   (18%)
   ❏ virtualbox-ose*
   ❏ aqemu

Software Rank S – Requirement (1)

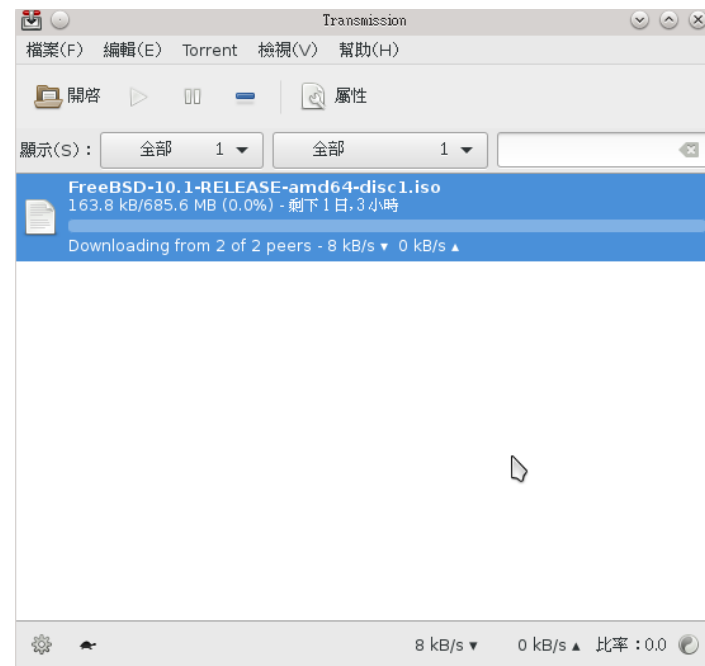❏ Office (total 4%)
  ❏ openoffice
  ❏ libreoffice*
❏ Requirement

  ❏ Open any pptx file with applications listed above (2%)

  ❏ You can download pptx files from here

    ❏ https://nasa.cs.nctu.edu.tw/sa/2015/

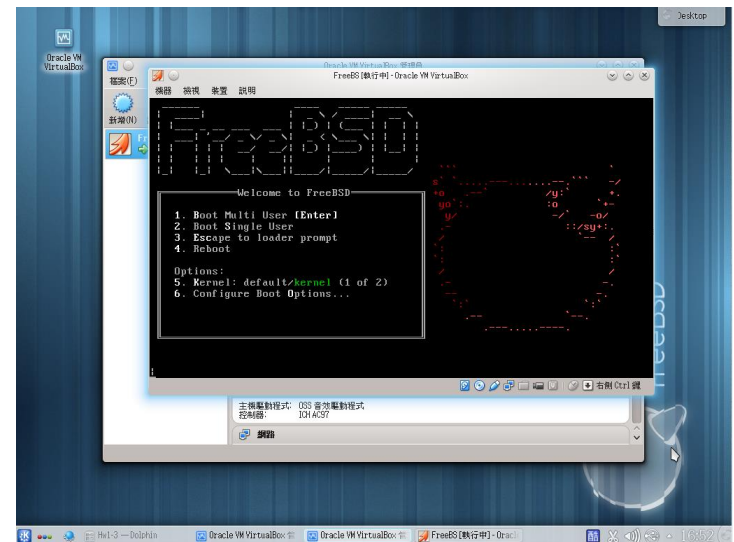 ❏ Chinese support (2%)

Software Rank S – Requirement (2)

- ❏ P2P software (total 3%)
  - ❏ transmission*
  - ❏ deluge
- ❏ Requirement

  - ❏ Download files via torrents(2%) (show the progress)

  - ❏ Chinese support (1%)

  - ❏ You can get torrents from:

    - ❏ http://www.gotbsd.net

  - ❏ Notes: No NCTU-Wireless

Software Rank S – Requirement (3)

❏ Virtual Machine (total 18%)

    ❏ virtualbox-ose*

    ❏ aqemu

❏ Requirement

    ❏ Open an FreeBSD VM inside your FreeBSD (17%)

    ❏ Tips: use host CD (from host OS) if you cannot load .ISO from virtualbox

    ❏ Chinese support (1%)

Bonus (up to 15%)

- ❏ IDE Environment
  - ❏ Code::Blocks with C/C++ compiling/executing (2%)
  - ❏ Eclipse with Java compiling/executing(3%)
- ❏ Games (in Wine) (5%)
  - ❏ try to install WoW, PoE, LoL(US) … fancy 3D games
  - ❏ Make sure it can run normally.
- ❏ Other language support (2%)
  - ❏ Full Japanese support for 皮卡丘打排球
  - ❏ Show the Japanese application title correctly
- ❏ Misc
  - ❏ applications which cannot be built up easily

Due Time

❏ You need to go to CSCC to fill the sheet to make an appointment about your demo time
  ❏ Will open for signup from 10/7 (Mon)
❏ Demo 10/12(Mon)~10/18 (Sun)
  ❏ Demo time will be chosen from these days (announced on 10/7)
  ❏ Please follow your appointment in demo sheet
  ❏ If you are not available for all demo time, please make appointment with TA, choose earlier time before deadline
❏ Important! DO NOT use root account when demonstrating your homework!
  ❏ Try to use normal user with sudo when doing your homework
  ❏ You may get 0 credit if using root!

Help!

- ❑ Newsgroup cs.course.sysadm
- ❑ BS2 board CS-SysAdmin
- ❑ CSCC
- ❑ ta@nasa.cs.nctu.edu.tw (For complex problems)
- ❑ IRC channel #nctuNASA (Recommend)
  - passwd: ILoveCSCC
  - Use screen or tmux to stay online, so TAs can tag you to answer your questions.
- ❑ Before you ask a question…
  - 提問的智慧: How To Ask Questions The Smart Way
  - http://mis.ndhu.edu.tw/docu/question.htm