



# System Administration HW1-3

## Chinese World

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shunyi darkx

2014/10/03

# References

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- ❏ Some useful information:
  - ❏ <http://www.x.org/wiki/>
  - ❏ <http://www.freebsd.org/doc/en/books/handbook/x11.html>
  - ❏ <http://www.twbsd.org/cht/book/ch11.htm>

# Requirements

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- ❑ Basic system (35%)
  - ❑ Build a basic X Server, Window Manager and Wine
  
- ❑ Software Rank B (15%)
- ❑ Software Rank A (25%)
- ❑ Software Rank S (25%)
- ❑ Bonus (up to 20%)
  
- ❑ All Chinese support
- ❑ For each category, choose at least one application to install
  - ❑ \* for recommended

## Base system (35%)

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- ❑ FreeBSD base system (5%)
- ❑ X server + any window manager (5%)
- ❑ Chinese support (5%)
  - ❑ display and input method
- ❑ Wine (10% + 10%)
  - ❑ PCMan (5%)
    - ❑ with full Chinese support (5%)
  - ❑ 皮卡丘打排球 (5%)
    - ❑ with full Japanese support (5%)

# Software Rank B (15%)

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- ❑ Terminal (3%)
  - ❑ rxvt-unicode\*
  - ❑ xterm\*
  - ❑ eterm
  - ❑ aterm
- ❑ FTP client (2%)
  - ❑ Filezilla\*
- ❑ Mail client (2%)
  - ❑ Thunderbird\*
  - ❑ Evolution
- ❑ Instant Messenger (2%)
  - ❑ Pidgin\*
- ❑ PDF reader (3%)
  - ❑ Xpdf \*
  - ❑ Evince
  - ❑ mupdf
- ❑ Browser (3%)
  - ❑ Firefox\*
  - ❑ Opera
  - ❑ Chromium

# Software Rank B (15%)

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- ❑ Terminal (3%)
  - ❑ ssh bbsu@ssh.bs2.to
- ❑ FTP client (2%)
  - ❑ download files from <ftp://ftp.gnu.org/gnu/bash>
- ❑ Mail client (2%)
  - ❑ send/recv mails to/from places
- ❑ Instant Messenger (2%)
  - ❑ FB messages support
- ❑ PDF reader (3%)
  - ❑ open course slides (Chinese World)
- ❑ Browser (3%)
  - ❑ open <http://www.cs.nctu.edu.tw>

# Software Rank A (25%)

- ❑ Browser **with flash supported** (5%)
  - ❑ Firefox\*
  - ❑ Opera
  - ❑ Chromium
- ❑ Multimedia : Video, Audio (5%)
  - ❑ SMPlayer\*
  - ❑ VLC
  - ❑ Xmms
- ❑ BBS client (5%)
  - ❑ pcmanx\*
- ❑ Pictures editor/viewer (5%)
  - ❑ GIMP\*
- ❑ Remote desktop (5%)
  - ❑ freeNX\*
  - ❑ (32bits only)
  - ❑ tightvnc
  - ❑ tigervnc
  - ❑ Tssclient
  - ❑ Remmina
  - ❑ vinagre

# Software Rank A (25%)

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- ❑ Browser with flash supported (5%)
  - ❑ <http://armorgames.com/play/2205/light-bot>
- ❑ Multimedia : Video, Audio (5%)
  - ❑ play <http://nasa.cs.nctu.edu.tw/sysadm/hw1-3/pig.mp4>
- ❑ BBS client (5%)
  - ❑ ptt / bs2
- ❑ Pictures editor/viewer (5%)
  - ❑ edit <http://nasa.cs.nctu.edu.tw/sysadm/hw1-3/pig.jpg>
- ❑ Remote desktop (5%)
  - ❑ connect to a vnc server

Reference: <https://www.freebsd.org/doc/handbook/desktop-brows.html>



# Software Rank S (25%)

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- ❑ Office (10%)
  - ❑ openoffice
  - ❑ libreoffice\*
- ❑ Virtual Machine (10%)
  - ❑ virtualbox-ose\*
  - ❑ qemu
- ❑ P2P software (5%)
  - ❑ transmission\* (5% bonus for daemon+WebGUI)
  - ❑ deluge

# Software Rank S (25%)

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- ❑ Office (10%)
  - ❑ open a .docx document with image
- ❑ Virtual Machine (10%)
  - ❑ FreeBSD inside FreeBSD (same as hw1-1)
- ❑ P2P software (5%)
  - ❑ download via torrent files
  - ❑ <http://www.gotbsd.net/>

# Bonus (up to 20%)

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- ❑ IDE Environment
  - ❑ Code::Blocks
  - ❑ geany
  - ❑ Eclipse
- ❑ Games (in Wine)
  - ❑ try to install WoW, POE, Diablo ... fancy 3D games
  - ❑ Make sure it can run normally.
- ❑ Misc
  - ❑ Applications which cannot be built up easily.

# Due Time

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- ❑ You need to go to CSCC to fill the sheet to make an appointment about your demo time
  - ❑ Will open for signup from 10/6 (Mon)
- ❑ Demo before 10/17 (Fri)

# Help!

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- ❑ Newsgroup `cs.course.sysadm`
- ❑ BS2 board `CS-SysAdmin`
- ❑ CSCC
- ❑ `ta@nasa.cs.nctu.edu.tw`
- ❑ IRC channel **#nctuNASA**
  - ❑ passwd: **ILoveCSCC**
- ❑ Use `screen` or `tmux` to stay online, so TAs can tag you to answer your questions.