



# System Administration Practice Homework 1-1 : FreeBSD Base

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# Requirements

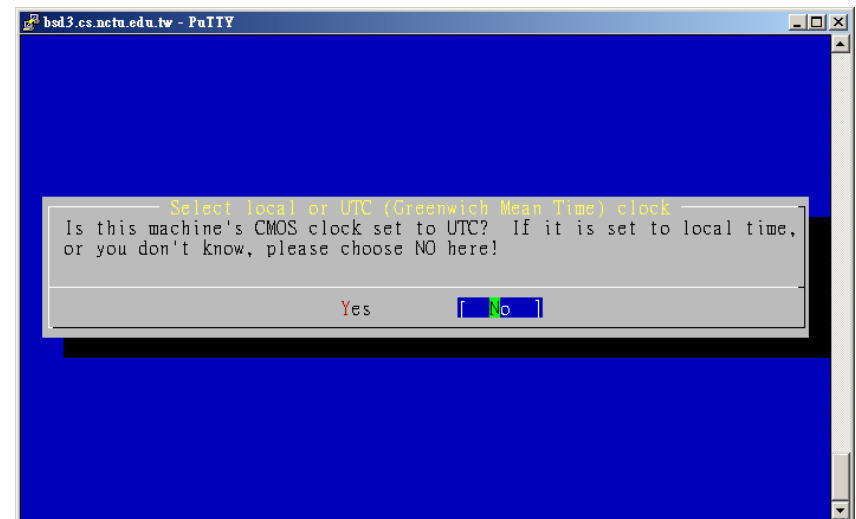
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## ❑ Basic

- FreeBSD Base
  - 10.3-Release
  - Don't use other version
- Add a user
  - User should also be in the 'wheel' group
  - Use this user to do this homework instead of root
- Set your machine to current time zone **and adjust current time**
- Enable *sshd*

# Timezone

- These must be do as **root** or using **sudo**
- bsdconfig  
or
- tzsetup  
or
- Find right timezone file in `/usr/share/zoneinfo` and copy to `/etc/localtime`



# Submission

\$ : shell prompt

- ❑ Login with the user you created
- ❑ \$ `rm -f /tmp/sahw1-1.tmp`
  - Perform this as root if it cried about 'Permission denied'
- ❑ \$ `uname -a >> /tmp/sahw1-1.tmp`
- ❑ \$ `date >> /tmp/sahw1-1.tmp`
  - Please keep your language settings as **English (en-US)**
  - `env LC_ALL='en_US.UTF-8' date >> /tmp/sahw1-1.tmp`
- ❑ \$ `id >> /tmp/sahw1-1.tmp`
- ❑ \$ `service sshd status >> /tmp/sahw1-1.tmp`
- ❑ \$ `mail -s '[SAHW1-1] 0005566' sahw1@nasa.cs.nctu.edu.tw`  
< /tmp/sahw1-1.tmp

# Check submission result

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- Web page at <https://nasa.cs.nctu.edu.tw/sap/2016/hw1>
- You can submit many times, only the last count
- Due: 2016/09/29

# FAQ(1/2)

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## ❑ Adjust current time

- ntpdate(8) //non-continuous  
or
- ntpd(8) //continuous
  - <http://www.freebsd.org/doc/en/books/handbook/network-ntp.html>
- Server
  - time.stdtime.gov.tw
  - tick.stdtime.gov.tw
  - tock.stdtime.gov.tw
  - watch.stdtime.gov.tw
  - clock.stdtime.gov.tw
  - server 0.tw.pool.ntp.org
  - server 1.asia.pool.ntp.org
  - server 2.asia.pool.ntp.org

# FAQ(2/2)

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- ❑ My network is not working
  
- ❑ VM
  - Make sure you have correct VirtualBox/VMWare settings
  - Make sure your host computer has Internet access
  
- ❑ Install on a real machine
  - In your dormitory, switch to windows and authenticate
  - Use w3m command line browser
    - `www/w3m`

# Help!

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- ❑ CSCC
- ❑ [ta@nasa.cs.nctu.edu.tw](mailto:ta@nasa.cs.nctu.edu.tw)
- ❑ IRC channel #nctuNASA (ILoveCSCC) on freenode