

# HW5 details

Before demo

Add the following users.

user: saadmin

group: nctucs,sysadm

home:/net/home/saadmin

netgroup: sa-adm

user: sauser

home: /net/home/sauser

group: nctucs

Reboot all machines at demo.

- SSH (15%)
  - From host (5%)
    - ◆ sauser/saadmin
      - ssh saduty/sahome (connection refused)
      - ssh sabsd (success)
  - From sabsd (5%)
    - ◆ sauser
      - ssh saduty (kicked out)
      - ssh sahome (connection refused)
      - ssh sabsd (success)
    - ◆ saadmin
      - ssh sahome (connection refused)
      - ssh saduty/sabsd (success)
  - From saduty (3%)
    - ◆ saadmin
      - ssh sabsd/saduty/sahome (success)
  - From sahome (2%)
    - ◆ saadmin
      - ssh sabsd/saduty/sahome (success)
- NIS (20%)
  - sabsd (5%)
    - ◆ ypwhich (saduty)
    - ◆ ypcat passwd (account info)
    - ◆ ypcat -x (tables)

- ◆ ypcat -k netgroup (netgroup info)
- saduty (5%)
  - ◆ ypwhich (saduty)
  - ◆ ypcat passwd (account info)
  - ◆ ypcat -x (tables)
  - ◆ ypcat -k netgroup (netgroup info)
- sahome (5%)
  - ◆ ypwhich (sahome)
  - ◆ ypcat passwd (account info)
  - ◆ ypcat -x (tables)
  - ◆ ypcat -k netgroup (netgroup info)
- sabsd (5%)
  - ◆ id saadmin/sauser (correct groups)
- NFS (20%)
  - sabsd (5%)
    - ◆ saadmin/sauser
      - pwd (correct home dir)
    - ◆ saadmin
      - showmount -e sahome
  - saduty (5%)
    - ◆ saadmin
      - showmount -e sahome
  - sahome (5%)
    - ◆ saadmin
      - showmount -a
      - mount (nullfs)
      - cat /etc/exports
  - saduty/sahome
    - ◆ autofs/amd map is on NIS (5%)
- rup (5%)
  - All machines
    - ◆ rup (show all machines)
- Ports tree (10%)
  - sahome (5%)
    - ◆ saadmin
      - sudo crontab -e (show some script)
      - check /usr/ports/INDEX-\* (correct access time)
  - saduty/sabsd (5%)

- ◆ saadmin
    - able to install software form ports
    - cat /etc/make.conf (some configuration here)
- sudo (5%)
  - sabsd
    - ◆ saadmin
      - sudo -l (correct settings)
      - sudo cat /usr/local/etc/sudoers (include from NFS)
    - ◆ sauser
      - sudo -l (cannot sudo)
- Log server (5%)
  - Sahome
    - ◆ saadmin
      - check /net/data/ssh
      - sudo cat /var/log/auth.log
- Kernel (10%)
  - sahome/saduty/sabsd
    - ◆ ls -l /boot/kernel/kernel (smaller than 90% of the original kernel)
    - ◆ uname -a (correct kernel used)
- Randomly picked questions (10%)
  - You cannot look at any materials