2012

Exercise for the topic:
Remote Services, SSH, SSH tunnels, VNC, RDP
(15 points)

The exercise consists of the following parts:

1. Use SSH: (5 points)

- Configure the ssh connection without password from your laptop to a RISC
     computer.
- login (without password) to a RISC computer by ssh from the computer you
     used in the previous step.
- on the RISC computer please list the .ssh/authorized_keys file with *ls -l*
- on the RISC computer please *cat* the content of the .ssh/authorized_keys
     file in the terminal window.
- invoke the *date* command in this terminal window.
- if necessary, increase the lines in the terminal window, to show the full log
     of the previous steps.
- create a screen shot about this terminal window on your laptop
   and copy it in some way (scp, sftp, etc.) to your CBWE account into the
   exercises/ssh directory as **ssh-no-passwd.jpg** .
   On the screenshot all steps must be visible (from creating the key-pairs to
   the date command), if necessary make two screenshoots.

2. Use VNC: (5 points)

- configure an SSH tunnel for the VNC connection to a RISC computer
   (you must configure the tunnel, no direct connection is possible to the VNC
       server from your laptop !).
- make a VNC connection to a RISC computer from your laptop
- make a screen shot about the terminal window (which contains the log
       about invoking the ssh tunnel and starting the xvncviewer program
- copy this screen shot to the exercises/ssh directory as
         starting-vnc.jpg
- start gimp and it's help page in your VNC session (on the RISC computer)
- create a full screen shot
- the icon of your photo must be visible on the screen shot
- save the screen shot in the *exercises/ssh* directory as **vnc-login.jpg**

3. Use grdesktop: (4 points)

   - configure an SSH tunnel for the RDP connection to the RISC Windows2003
        computer (you must configure the tunnel, no direct connection is
        possible to the Windows2003 server from outside RISC !).
   - invoke grdesktop for the connection to the RISC Windows2003 computer
        from your laptop or PC at home, or another computer.
   - make a screen shot about the terminal window (which contains the log
        about invoking the ssh tunnel and starting the grdesktop program)
   –   copy this screen shot to the exercises/ssh directory as
        grdesktop-starting.jpg
   - create a screen shot about the configuration of the grdesktop program
        General settings and save it as **grdesktop-config.jpg**
   - start gimp with your photo on the Windows2003 server.
   - create a full screen shot
   –   save the screen shot in the exercises/ssh directory as
        grdesktop-screen.jpg

Deadline: January 7, 2013.