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

Carry out please the following task as a part of the exercise:

- create the subdirectory on a RISC computer: /home/<yourlogin>/exercises/ssh
  (you have to save here the screen shots made in the next steps).

1. Use SSH: (3 points)

- Configure the ssh connection without password from your laptop or PC at home
  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 snapshot about this terminal window (on your laptop or PC at home)
  and copy it in some way (scp, sftp, etc.) to your RISC account into the
  /home/<yourlogin>/exercises/ssh directory as ssh-no-passwd.jpg .

2. Use VNC: (3 points)

- configure the start of the KDE desktop for your VNC session on a RISC computer
- 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 outside RISC !).
- make a VNC connection to a RISC computer from your laptop or PC at home.
- make a screen shot about the terminal window (which contains the log about
  invoking the ssh tunnel and starting the xvncviewer program
  (using MS Windows you have to make at least two screen shots)
- copy this screen shot (or screen shots) to the in task **1.** defined place
  (...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 (created in the starting steps) has to be visible
   on the screen shot
- save the screen shot in the /home/<yourlogin>/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 in task **1.** defined place
  (...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 /home/<yourlogin>/exercises/ssh directory
  as grdesktop-screen.jpg

Deadline: January 11, 2010.