

Exercise for the topic: Remote Services, SSH, SSH tunnels, VNC

You have to carry out the following tasks 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).
- copy a small photo of you into the `/home/<yourlogin>/Desktop` directory (a small icon will be shown on the KDE desktop).

1. Use SSH:

- Configure the ssh connection without password from your laptop or PC at home to a RISC computer.
- login 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 and cat it's content 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:

- 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 in your VNC session (on the RISCcomputer)
- create a full screen shot
- the icon of your photo (created in the starting steps) have to be visible on the screen shot
- save the screen shot in the `/home/<yourlogin>/exercises/ssh` directory as `vnc-login.jpg`

You can inform me per e-mail, if you finished the task.