

2014

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

The exercise consists of the following parts:

1. Use SSH: (6 points)

- Configure the ssh connection without password from your laptop to a RISC computer (create the ssh key-pairs, copy public key, etc.).
- 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 screenshots.

2. Create an SSH tunnel: (4 points)

- configure an SSH tunnel for the **Icedove** imaps connection to the RISC user mail server, `pop.risc.jku.at`
- create an alias for this tunnel in your `.cshrc` or `.bashrc` file
- activate this configuration (using the source command)
- invoke the ssh tunnel
- list the configuration of the ssh tunnel using the 'which' command for the alias
- configure **Icedove's** settings for imaps to use this ssh tunnel
- make a screen shot about the terminal window (which contains the log about activating and invoking the ssh tunnel and listing its definition as **ssh-tunnel.jpg**)
- make a screen shot about the configuration of Icedove's imaps setting and save it as **icedove-imap.jpg**
- copy these screen shots to the `exercises/ssh` directory

Deadline: January 9, 2015.