

## **Exercise for the topic: Networking (shortened) (10 points)**

1. Cancelled.
2. Invoke the command `/usr/bin/traceroute` to find the route to the host assigned to you (see appendix).

- Please create a screen shot about the output (network-2-trace.jpg).

(1 point)

3. Cancelled.
4. Cancelled.

5. Log in from your computer to `gorilla.risc.uni-linz.ac.at` using `'ssh -v '`. Please evaluate the debug output and split it in the three parts of the ssh protocol:  
transport layer, user authentication layer, connection layer.

Copy the ssh log data in OpenOffice Writer (oowriter) and comment please the three parts of the output clearly, which one where begins and ends. Insert your photo in the oowriter document. Create a pdf file from the oowriter contents as `network-ssh-layers.pdf`.

(7 points)

6. Select the following services from the `/etc/services` file: `www`, `smtp`, `pop`, `ssh`, `https` using the `grep`, `egrep` command in a terminal window.

- create a screen shoot about the output as `network-services.jpg`

(2 point)

Put the screen shots and the pdf file to your lecture home directory into `/home/<yourlogin>/exercises/network/`.

Dealine: December 20, 2009. ---> extended to January 11, 2010.

Appendix: I already sent an email to all of the CBWE course participants with the name of a RISC computer and with the name of a computer on the internet, which you have to use for this exercise.