

High Performance Computing

Log in to the training system gantenbein

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The training system provided for this course is called gantenbein.
Its address is:

`gantenbein.math.chalmers.se`

You will receive account names including initial passwords.

First login

You will log in to gantenbein using the command line terminal (emulator) of your system.

To log in to gantenbein using the account name hpcuser000 type:

```
ssh hpcuser000@gantenbein.math.chalmers.se
```

SSH fingerprints

You will be asked to verify the fingerprint of the system that you connect to. This is to prevent malicious actors from intercepting the connection. The fingerprint depends on your type of key:

ECDSA key fingerprint is

SHA256:y5FSpB0ewLQctCbm0oVNFYfJWwV2znjuqdS7LEOrG3k.

ED25519 key fingerprint is

SHA256:yQGaJ5gx0TQSj/Srx8go8bD5wLhO6RoUja+km/wUxcE.

When confirmed the fingerprint will be cached on your system, so that you do not need to check it repeatedly when connecting again.

Initial password

After confirming the correctness of the system fingerprint, you are asked for the account's password.

Together with your account name you received an initial password.

When entering the password you do not receive visual feedback, to help keeping password length confidential.

Changing the initial password

The system is setup in such a way that your password is “expired” at time of your login. The system will hence require you to change the password.

Enter the initial (current) password again.

Enter the new password. To mitigate the impact of typos you have to enter it twice. The new password will be checked for quality/safety and rejected if not appropriate.

Confirmation of the new password

If your new password is accepted, the system confirms by:

```
passwd: all authentication tokens updated successfully
```

You will be logged out of the system immediately and have to re-connect using ssh and the new password.

If you abort or your password is reject, you can start over. Your password then is not updated, but remains the old one.

Changing your password anytime

You can change your password anytime by typing the command `passwd` in the terminal while connected via `ssh`. The procedure is the same as the change of your initial password.

Logging out of gantenbein

To log out of gantenbein you can type `exit` on the terminal.

You can alternatively press `CTRL-d`. This is a “special character” signifying the end of input, which can be useful in know of in other settings.