Computerome Quickstart Guide

23262 Infectious disease bioinformatics
2022 Spring

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Contents

Your Account

In order to access Computerome you need an account. You need to provide your full name, mobile number, and DTU student email.

Please send this information to **Baptiste (bavja@ food. dtu.dk**) with the subject "**Course 23262 Computerome Account Request**".

Once your information has been received, you will be sent a welcome mail and SMS with your Computerome username and password.

Terms of Use

As a user on Computerome please be aware of the following:

You can only use Computerome for previously agreed upon purposes. Under no circumstances is Computerome for personal use.

You must closely guard your username and password, never share these with anyone and keep them secret.

You must never run software or jobs on the system's login nodes, if you do so you account will be disabled.

User activities on Computerome are logged and analysed to detect malacious behaviour.

System maintenance is performed on the first Tuesday of every month. Users may experience a slight drop in performance during system maintenance.

Failure to comply with Computerome's terms of use will result in account termination. For our full **Terms and Conditions** please visit our wiki.

Login

There are three ways to login to Computerome: the Unix command line, the Cendio ThinLinc client, or mobaX-term. To login you must use your Computerome user name and password.

After your account has been successfully created, you will receive an email with your username and an SMS with a temporary password.

Every time you log into Computerome you must go through 2 Factor Authentication. You will recieve your 2FA code on the mobile number you provided.

Please be aware that the first time you login into the system, you must change your password using the command: **passwd** (minimum 8 characters long with at least 1 number, upper case character and symbol)

For more information and support please refer to our **wiki**.

Login

Unix Command Line

1. Open a new Terminal

2. Enter ssh <username>@ssh.computerome.dk

3. Enter yes

4. Enter your temporary password you received via SMS

5. Enter your 2FA code

6. Change your password using the passwd command

Login

Cendio ThinLinc

1. Download the appropriate version of **Cendio ThinLinc Client**, then open the programme

2. Enter desktop.computerome.dk in the server field

3. Enter your Computerome username and temporary password, then press "Continue"

4. Enter you 2FA code, then select your preferred Virtual Desktop settings

5. Open a Terminal to change your password using the passwd command

Login

MobaXterm

1. Download the appropriate version of **MobaXterm** and then open the programme.

2. To connect go to Sessions -> SSH. In the Remote host field enter ssh.computerome.dk

3. Enter your Computerome username and temporary password, then press "Continue". Then enter your 2FA code to complete your login.

4. Remember to change your password using the passwd command

Reserving Nodes

Computerome uses a queueing system to manage jobs on the system. You can submit jobs using the qsub command. For this course, you will run jobs on a set of reserved nodes.

To do this you must always use the advres argument when submitting jobs (advres=course_23262.1743). When you submit a job you need to specify nodes (number of nodes), ppn (processors per node), walltime (job runtime in seconds), and mem (memory in GB).

```
qsub -l advres=course_23262.1743,nodes=1:ppn=1,
mem=20gb,walltime=3600 <your script>
```

The above command will run a job on 1 node, with 1 CPU, 20 GB memory, and will last 1 hour.

For more information about job submission, please visit out **wiki**.

Support

Computerome provides user support during normal business hours 09:00 - 17:00 CET, Monday to Friday.

For user support, write to computerome@dtu.dk, please include "Course 23262" in the subject.