Computerome 2.0

Welcome to the Computerome 2.0 Wiki

Access to Computerome

Access to Computerome is available to everyone interested in Danish Life Sciences and we encourage both academic and industry users to use the facility.

If you are affiliated with the University of Copenhagen (UCPH), please contact UCPH IT for the access to Computerome 2.0.

If you are interested in accessing Computerome 2.0 please find the form that suits your need and send it to computerome@dtu.dk.

- Create new group
- Create new group at DTU
- Modify user information
- Add new user to an existing group
- Add existing user to an existing group
- Remove user from a group
- Inactivate user
- Reactivate user
- Change legal group owner of an existing group
- Change technical group owner of an existing group
- Disable group
- Reactivate group.pdf

For information regarding pricing and quotes please contact Computerome National Life Science Supercomputing Center: computerome@dtu.dk.

Setup and Security framework

The Danish National Supercomputer for Life Sciences has an ultra high-density footprint, and is installed in two 500kW containerized Tier IV data center modules.

The system is designed using the bioinformatics reference architecture developed by CBS over the past 20 years and using the standard practices in the industry. It has a full set of comprehensive tools for both management and usage of the system. To get acquainted with the physical Hardware setup **please visit here**.

Getting Started

The **Getting Started** page guides new users in the use of the system.

COMPUTEROME 2.0 IS RUNNING NORMALLY

COMPUTEROME 2.0 SMS SERVICE MAINTENANCE

Computerome 2.0 has received the following message from our external SMS messaging services provider:

Planned system maintenance

We will be performing scheduled extended server maintenance in the following period:

Start time: **2021-12-01 01:00 CET**
End time: **2021-12-01 05:00 CET**

All platforms may experience periods of downtime during this time frame.

We would also like to inform you of next weeks planned maintenance, starting 2021-12-08 from 02.00 to 04.00 CET.

We expect minimal impact for Computerome 2.0 users, but some may experience issues with the following:

- Delivery of 2 Factor Authentication code via SMS
- Delivery of new password by SMS

Recommended places to start	Resources
• Getting started, including How to login • Two-factor authentication • Virtual desktop • Batch System • Installed Software • Directory structure • Terms and Conditions	• Unix Basics • Video Tutorials • Press Clippings

Contact and Support

Your are welcome to send us your questions or requests to Computerome support (computerome@dtu.dk)

When requesting support, it is very helpful if you can include at least the following information:

- A relevant and descriptive **Subject:**
- Which system am I on - Computerome HPC or <named> cloud system - including specific node (s) you are working on.
- What I did - command line(s), loaded modules, working directory, jobid(s), etc.
    - Specifically for **login** issues, please *always* provide:
        - Tool you use (ThinLinc, SSH login)
        - Username
        - Hostname you connect to
        - Messages you receive
- What I want to happen
- What happened instead - warnings, error messages, logs, etc.

Please include messages a

Please send your support requests from your department e-mail address.

About Computerome

The **Danish National Supercomputer for Life Sciences** (a.k.a. Computerome) is installed at the **DTU National Lifescience Center** at Technical University of Denmark.

The computer hardware is funded with grants from Technical University of Denmark (DTU), University of Copenhagen (KU) and Danish e-infrastructure Cooperation (DeiC) - also, it is the official Danish ELIXIR Node.

Computerome 1.0 was opened in November 2014 at **#121 on TOP500 Supercomputing Sites**.

The current setup, Computerome 2.0, was opened in 2019. It's compute resources consists of **31760 CPU cores with 210 TeraBytes of memory**, connected to **17 PetaBytes of High-performance storage**,

Please see the **Hardware** page for further details.

Recently Updated

Computerome 2.0 Wiki
25 Nov, 2021 • updated by Erland Helge Hochheim • view change
Desktop login to Computerome 2.0
11 Nov, 2021 • updated by Erland Helge Hochheim • view change
Submitting batch jobs
08 Nov, 2021 • updated by Erland Helge Hochheim • view change
Computerome 2.0 Wiki
26 Oct, 2021 • updated by Megan Guertner • view change
Computerome File Manager
05 Oct, 2021 • updated by Hiroki Takano • view change
Submitting batch jobs
10 Sep, 2021 • updated by Hiroki Takano • view change

Computerome and the Tryggve project

Computerome is a building-block in the Tryggve project that is working to establish a Nordic platform for collaboration on sensitive data, and that is funded by NeIC and the ELIXIR nodes in Denmark, Finland, Norway and Sweden.

The Tryggve project welcomes use-cases from researchers collaborating on sensitive data with researchers in other Nordic countries. Please follow instructions on the Tryggve Getting Started page.

As part of the Computerome engagement in Tryggve, Computerome is committed to the Tryggve Code of Conduct.

The Name

The Computerome (pronunciation: \km-pyü-tr-m\) cluster supercomputer is named in accordance with the use of the **'-ome'** suffix in the field of study in biology.

Computerome is housed at **DTU Risø Campus**.