

# Computerome 2.0 Wiki



## 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](mailto: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](mailto: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 HOME AND PROJECT STORAGE UPGRADE

Computerome 2.0 Dell/EMC Isilon

HOME (/home/people/...)  
PROJECT (/home/projects/...)

storage will be upgraded.

The upgrade will start

**Wednesday, 21. July 2021, 09:00 CEST**

and is expected to complete no later than

**Wednesday, 21. July 2021, 21:00 CEST**

Upgrade is performed in on-line mode and should cause minimal to no performance impact during the process.

COMPUTEROME GENERAL MAINTENANCE AND UPGRADES

On 31 August 2021, the Computerome team will be performing general maintenance and upgrades on Computerome; a next generation firewall will be installed, and systems stability increased. Computerome will therefore be unavailable, but we expect services to be fully restored by 1 September 2021. Please keep the downtime in mind when you plan your work.

We apologize for any inconvenience caused by this scheduled down-time.

The upgrade will start

**Tuesday, 31. August 2021**

and is expected to complete no later than

**Wednesday, 1. September 2021**

## Recommended places to start

- [Getting started, including How to login](#)
- [Two-factor authentication](#)
- [Virtual desktop](#)
- [Batch System](#)
- [Installed Software](#)
- [Directory structure](#)
- [Terms and Conditions](#)

## Resources

- [Unix Basics](#)
- [Video Tutorials](#)
- [Press Clippings](#)

## Contact and Support

You are welcome to send us your questions or requests to [Computerome support \(computerome@dtu.dk\)](mailto: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.

### 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: **2021-07-21 02:00 CEST**  
End time: **2021-07-21 04:00 CEST**

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

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

#### 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](#)

03 Aug, 2021 • updated by [Fritz Taylor](#) • [view change](#)

[Computerome 2.0 Wiki](#)

12 Jul, 2021 • updated by [Erland Helge Hochheim](#) • [view change](#)

[Computerome 2.0 Wiki](#)

09 Jul, 2021 • updated by [Megan Guertner](#) • [view change](#)  
[Computerome File Manager - Test Phase](#)  
30 Jun, 2021 • updated by [Hiroki Takano](#) • [view change](#)  
[UploadingFiles.mp4](#)  
03 May, 2021 • attached by [Hiroki Takano](#)  
[SearchingFiles.mp4](#)  
03 May, 2021 • attached by [Hiroki Takano](#)

## 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](#).