

LUMI



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Welcome and Introduction

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Aim of the course

- Day 1-2: An introduction to working on LUMI for people who already have some HPC knowledge
 - You should have had some introductory HPC training in your local organisation. E.g., some familiarity with batch processing is expected
 - Goal: Know enough to know where to (not) look for more information
 - More relaxed version of our previous 1-day course, with some new topics added (e.g., access via Open OnDemand, object storage and containers for AI)
- Day 3-5: Build upon the basic knowledge to understand how to detect and cure performance issues
 - Deeper knowledge about some of the tools discussed in day 1+2 (compilers/libraries)
 - Discussion of useful tools for performance analysis
 - Some presentations focus on one performance issue and how to solve it

Practicals

- There is a project for the course: project_465001726.
This is only meant for making the exercises and not for your personal work.
- No questions via zoom, but you can write your questions in the HedgeDoc <https://md.sigma2.no/lumi-intensive-course-mar25#>:
 - Questions are anonymous. But there is a limit to how much we can answer to such questions.
 - Please stay to the topic of the talk with your questions.
The course is not meant to quickly give answers to all questions in the first hour after which you can leave. The introductory part is not meant to answer issues that will be discussed in depth in day 3-5.

HedgeDoc demo

Practicals (2)

- Course materials will be made available in the [LUMI training materials](https://lumi-supercomputer.github.io/LUMI-training-materials) archive site at lumi-supercomputer.github.io/LUMI-training-materials.
 - Exercises during the course
 - PDF of the slides
 - Notes for some of the talks
 - Video recordings some time after the course (if they succeed)
 - HPE materials cannot be made available on the web, but the web site will contain links to the materials on LUMI

Welcome

Welcome to the LUMI supercomputer user guide. To navigate this guide, select a category from the navigation bar at the top of the page or use the search function.

You have not connected to LUMI yet? Please visit the first steps section to get started.

[→ First steps](#)

[LUMI helpdesk](#) [LUMI status](#) [LUMI events](#) [LUMI training materials](#)

Discover the LUMI Hardware

Submitting a Job

Storage



Content day 1 and 2

- Day 1: Building blocks before we can run
 - LUMI architecture
 - LUMI system software and programming environment
 - How do we offer and access application software?
 - How can we log on to the system and transfer data?
 - How to contact support?
- Day 2: 3 themes
 - Morning: Running jobs on LUMI
 - Afternoon:
 - Data on LUMI: Lustre and object storage
 - Containers on LUMI

Acknowledgements

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Enjoy the course!

