

Wrap-up Day 1

Kurt Lust
LUMI User Support Team (LUST)
University of Antwerp

November 2026

LUMI

Today's topics

- Hardware: Well-designed but different
- System environment optimised/tuned for scalable jobs at the cost of workstation compatibility
- Programming environment: Important on an HPC system, and somewhat different from many other clusters
- Getting on the system and transfering data: Open for improvements in user experience, but it is what it is
- Using modules on LUMI: Pretty standard Lmod configuration with some LUST-sauce in the presentation
- Software stacks on LUMI: A bit more work for the user than on your standard university cluster
- Support is distributed, also across organisations, and there are likely less "support persondays" available per user than on your local university cluster

LUMI

Tomorrow's topics

- Theme 1: Running jobs
  - Each Slurm configuration is different. Rely for 80% on what you know but not more…
  - And effort is needed to get optimal performance: exploit the topology of a node.
- Theme 2: Working with data on LUMI: Lustre and the object storage
- Theme 3: Using containers on LUMI: Not the miracle solution to all problems that some people think it is…
- And what did we not cover in this course?


LUMI
See you all tomorrow!