

Introduction

Welcome to Anselm supercomputer cluster. The Anselm cluster consists of 209 compute nodes, totaling 3344 compute cores with 15TB RAM and giving over 94 Tflop/s theoretical peak performance. Each node is a powerful x86-64 computer, equipped with 16 cores, at least 64GB RAM, and 500GB harddrive. Nodes are interconnected by fully non-blocking fat-tree Infiniband network and equipped with Intel Sandy Bridge processors. A few nodes are also equipped with NVIDIA Kepler GPU or Intel Xeon Phi MIC accelerators. Read more in Hardware Overview.

The cluster runs bullx Linux operating system, which is compatible with the RedHat Linux family. We have installed a wide range of software packages targeted at different scientific domains. These packages are accessible via the modules environment.

User data shared file-system (HOME, 320TB) and job data shared file-system (SCRATCH, 146TB) are available to users.

The PBS Professional workload manager provides computing resources allocations and job execution.

Read more on how to apply for resources, obtain login credentials, and access the cluster.