Scheraga Cluster

Upgrading summer 2014.

Matrix compute nodes

Table containing node numbers and hardware information.

- Processor info and core counts — Matrix has 952 typical processor cores when all nodes are connected. It turns out Matrix can have as many as 9,144 cores if it could utilize 4 nodes with GPUs, which themselves contain yet another 8,192 cores! However, these additional GPU-based cores require specialized programming and have are not to-date been made available to researchers via the cluster. Those cores have only been accessible to researchers accessing these specialized nodes provisioned as workstations (and thus not attached

Matrix end-user documentation

- Matrix end-user application information — Details for end-users regarding their applications on Matrix, including who the group contact.
  - Compilers and mpi application information — This page contains details regarding the compilers and mpi applications installed and depended on by researchers, on the Matrix cluster.
- Matrix end-user documentation, from ChemIT — The new Matrix is faster, but it is different. Learn about the differences here to reduce your aggravation.
  - For designated Matrix software leads, only — All software problems must be reported to the Matrix software leads, or if you are in Poland, your local support contact person. This information is for those select people.
- Matrix end-user documentation, from Group
- Matrix user job limits

Matrix users information (name, netid, status, quota)

On Matrix, researcher have both a quota for their home directory (keep as small as reasonable), and a quota for their storage directory.

Scheraga Synology