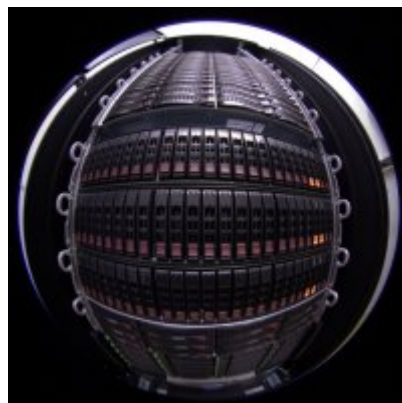
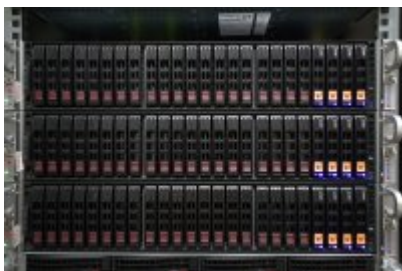


Hardware overview

- [Hardware overview](#)
- [The Institute of Botany & MetaCentrum, usage of the computing resources](#)
 - [Work on the cluster](#)
 - [Access to the computing cluster of IBOT for employees and collaborators](#) and [login into MetaCentrum infrastructure](#)

High-Performance computing (HPC) nodes

These three [nodes](#) (draba1, draba2 and draba3) are primarily intended for running computations requiring massive parallelization and plenty of memory such as Apache [Hadoop](#) and [Spark](#). Each node is equipped with 4 CPU Intel Xeon Gold 6230 (4x 20 cores (4x 40 threads), 2.1 GHz, turbo 3.9 GHz), 1536 GB RAM and 3x 1920 GB NVMe disk (RAID 0). If you are interested in using Apache Spark please contact [Yann JK Bertrand](#).



Standard computational nodes

Each of the six [nodes](#) (carex1 to carex6) is equipped with 1 CPU AMD EPYC Naples 7261 (8 cores (16 threads), 2.5 GHz, turbo 2.9 GHz), 512 GB RAM and 3x 1920 GB NVMe disk (RAID 0). They are intended for general purpose computation.

Each of the four [nodes](#) (vinca1 to vinca4) is equipped with 1 CPU AMD EPYC 7302P (16 cores (32 threads), 3.0 GHz, turbo 3.3 GHz), 512 GB RAM and 3x 1920 GB NVMe disk (RAID 0). They are intended for general purpose computation.



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