

High Performance Computer

The High Performance Computer is the main component currently used for running HPC jobs within the Romanian Center for Modeling the Aquaculture Recirculating Systems. It is a facility of the Laboratory for Numerical Modeling in Aquaculture and Molecular Biology, prof.dr.ing Florin Popescu, director of METIME research center, being also Responsible of this laboratory. The HPC system is a common resource used by METIME and MORAS team members.

The parallel computing system consists of the following components:

- **624** cores at a **2.5 GHz** nominal working **frequency** with turbo acceleration up to 3.3 GHz
- **1536 GB** RAM at a 2133MHz frequency
- 3 login-node servers for user access (MS Windows and Linux)
- **20 TB** of storage for users
- 4 TB (2 x 2TB) additional storage for login-node systems

The High Performance Computer runs the following operating systems on its servers:

- **MASTER / LOGIN-NODE # 2 (LN2) - RedHat Enterprise Linux 7.2 Head Node**
- **NODE (NODE-01 .. NODE-26) - RedHat Enterprise Linux 7.2 Compute Node**
- **LOGIN-NODE # 1 (LN1) - MS Windows 10**
- **LOGIN-NODE # 3 (LN3) - MS Windows 10**