

CUSTOMER PROJECT REFERENCE:

Max Planck Institute for Marine Microbiology



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Project volume: approx. 600.000€

Project time: 2016

Project description: High-performance HPC cluster nodes for bioinformatics calculations as well as various infrastructure servers.

Project realization: Depending on the requirements, the system can be implemented with many different configurations using various SuperMicro Storage ZFS server systems, as well as direct-attached storage JBODs for up to 36 devices per server and 72 devices per JBOD. As a high-performance HA storage solution, the hardware is as follows: 2x Intel Xeon E5-2620 V3, 128GB DDR4 RAM, and the first versions of both 24x 6TB SAS3-HDDs and 32x 960GB enterprise SSDs from the Samsung SM863 series. As an interprocess communications system, the available network adapter is 10GB SFP+-HCA.



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MUSTANG® systems/SuperMicro 4U Server chassis
CSE-847BE2C-R1K28LPB for up to 36x 2,5"/3,5" HDD/SSD

MUSTANG® systems/SuperMicro 4U JBOD-Chassis
SC417E16-R1K28JBOD for up to 72x 2,5" HDD/SSD