

The ParaStation Consortium



The Forschungszentrum Jülich, Karlsruhe Institut für Technologie (KIT) and ParTec Cluster Competence Center GmbH are involved in research and development of solutions for high performance computing, especially for general purpose cluster computing. This consortium was already founded in 2005 and forms the nucleus for the development of ParaStation products.

ParaStation where transferred from ParTec AG to the ParTec Cluster Competence Center GmbH. The ParTec Cluster Competence Center GmbH continued to develop and support the ParaStation products as an important part of its portfolio.

ParaStation3: was built with a variety of technology changes and new interconnect support was implemented

ParaStation4: Customers were asking for better operating, management and administration features and this led to the development of more tools, such as Grid Monitor, Ethernet Clos Switch and a UNICORE client to provide a comprehensive cluster suite.



Founders of ParaStation Consortium in 2005 - ParTec Cluster Competence Center GmbH - Forschungszentrum Jülich – University of Karlsruhe –University of Wuppertal

At the end of 2007, ParaStation MPI was released supporting MPI2 and even more interconnects and network protocols. At the same time, it was renamed to ParaStation MPI, as ParaStation5 now includes more components beside a MPI. ParaStation MPI including psmpiz, the communication part pscom and the cluster management layer psmgmt from the ParaStation Consortium to be licensed under the QPL license, which is approved by the open source initiative (<http://www.opensource.org>).

A brief history of versions leading up to today's ParaStation Version5:

Over the coming years the members of the consortium will continue to develop highly performant, stable and reliable software to enhance the features of ParaStation products in particular to scale to Exascale computing environments with many and multi core architectures.

ParaStation1: consisted of hardware and software by that time and was developed at University of Karlsruhe in 1995 (Institute for Informatics; Prof. Walter Tichy).

We invite you to use the ParaStation software and to take part of the development. Persons, companies and organizations, who are interested to join our activities are welcome. Please contact us for details about a membership of the ParaStation Consortium and visit our homepage <http://www.par-tec.com> for further information.

ParaStation2: Myrinet emerged and ParaStation was fine tuned to provide very high performance with the interconnects of that time. From now on it was purely software, trying to become hardware agnostic.

ParTec was founded in 1999 as a spin-off of the University of Karlsruhe and in the middle of 2004, all rights on