Introduction to parallel I/O and distributed file systems

Donnerstag, 13. Januar 2022 | 09:00 Uhr bis 14:00 Uhr

TU Dresden, Willers-Bau | 01069 Dresden, Zellescher Weg 12-14

The lecture gives an introduction to dealing with parallel I/O and distributed file systems in high performance computing. The first part deals with the basics of parallel I/O and working with distributed file systems. The participants learn which hardware and software components are involved in parallel I/O and how they work together. In particular, the differences between working with local and distributed parallel file systems as well as their significance for development and performance are dealt with. In the second part, possibilities are presented how users can analyze the I/O of their application. Furthermore, attention is drawn to typical pitfalls and initial possibilities for I/O optimization are shown.

Veranstalter:
Zentrum für Informationsdienste und Hochleistungsrechnen (ZIH)

Weitere Informationen:
https://tu-dresden.de/zih/hochleistungsrechnen/nhr-training/innovative-storage-architecture/io