

Wikiprint Book

Title: User Guide for the DEEP system

Subject: DEEP - Public/User_Guide

Version: 39

Date: 25.08.2024 04:15:56

Table of Contents

| | |
|---|----------|
| User Guide for the DEEP system | 3 |
| System overview | 3 |
| Access the system | 3 |
| How to use certain partitions and nodes | 3 |
| Information on software and tools | 3 |
| Problems and solutions | 3 |
| Reporting Problems | 3 |

User Guide for the DEEP system

System overview

- [Hardware details](#)
- [Filesystems](#)

Access the system

- [Get an account](#)
- [Information about the batchsystem](#)

How to use certain partitions and nodes

- [DEEP-EST Cluster Module \(dp-cn\)](#)
- [DEEP-EST Data Analytics Module \(dp-dam\)](#)
- [DEEP-ER SDV Cluster](#)
- [DEEP-ER SDV KNLs](#)

Information on software and tools

- [Available software and Modules environment](#)
- [Programming with OmpSs-2](#)
- [Usage of TAMPi](#)
- [Offloading Hybrid Applications' Tasks to GPUs \(MPI + OpenMP/OmpSs-2\)](#)
- [Parallel I/O with SIONlib](#)
- Resiliency:
 - [Usage of SCR \(Scalable Checkpoint Restart\)](#)
 - [Using FTI \(Fault Tolerance Interface\)](#)
 - [Usage of OpenCHK](#)
- [Intel Advisor XE \(Vectorisation analysis\)](#)
- [Integrate applications in JUBE](#)
- [Using the Benchmark Suite](#)
- [ParaStation MPI](#)

Problems and solutions

- [Known issues and solutions \(workarounds\)](#)

Reporting Problems

- For general application problems or running jobs please write an email to the support list: sup@deep-est.eu
- Problems at DEEP with system management in general or other unspecified issues should be reported by creating a ticket. To do so please send a mail to deeptac@par-tec.com
- Chat: chat.freenode.net, port 6667, Channel #DEEP_User