

Building a miniHPC

Dr Jannetta S Steyn, Dr Colin Sauze, Dr Abhishek Dasgupta

Newcastle University, University of Cambridge, National Oceanic Centre

jannetta.steyn@newcastle.ac.uk

General set of Slides

April 21, 2024



Newcastle
University



THE
CARPENTRIES
OFFLINE



Why would we need a miniHPC

- Hardware less abstract.
- Real system are busy doing actual research (85 - 95%) load on systems).
- Fear amongst learners that they are going to break the multi-million system they are playing on.
- Resource limits more apparent.
- More control over the environment.
- No need to have accounts on a real HPC.
- Own access point, so no need to get people on university network.