High Performance
Computing &
Big Data Services

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Uni.lu HPC School 2020

PS6: HPC Containers: Singularity

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Latest versions available on Github:

UL HPC tutorials: https://github.com/ULHPC/tutorials

UL HPC School: http://hpc.uni.lu/hpc-school/

PS6 tutorial sources: ulhpc-tutorials.rtfd.io/en/latest/virtualization/singularity

Summary

Main Objectives of this Session

- **Discussion on container systems**
  - ↪ what they are and where they help
  - ↪ common container systems
  - ↪ will focus on **Singularity** container system

The tutorial will show you...

- how to use **Singularity** containers on the UL HPC platform
  - ↪ how to build containers from a definition file
  - ↪ how to import pre-existing containers
  - ↪ how to use applications embedded in containers
- containerized parallel applications execution
- Please go to readthedocs – singularity

Questions?

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High Performance Computing @ Uni.lu

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1 Introduction