

# High Performance Computing & Big Data Services hpc.uni.lu hpc@uni.lu @ hpc@uni.lu @ @ULHPC

# Uni.lu HPC School 2020

**PS6: HPC Containers: Singularity** 

Uni.lu High Performance Computing (HPC) Team E. Kieffer

University of Luxembourg (UL), Luxembourg

http://hpc.uni.lu





### Latest versions available on Github:



**UL HPC tutorials:** 

**UL HPC School:** 

PS6 tutorial sources:

https://github.com/ULHPC/tutorials

http://hpc.uni.lu/hpc-school/

ulhpc-tutorials.rtfd.io/en/latest/virtualization/singularity























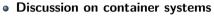
# **Summary**

Introduction





# Main Objectives of this Session



- $\,\hookrightarrow\,$  what they are and where they help
- → 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





### Thank you for your attention...

# **Questions?**

http://hpc.uni.lu

### High Performance Computing @ Uni.lu

Prof. Pascal Bouvry Dr. Sebastien Varrette

Sarah Peter

Hyacinthe Cartiaux Dr. Frederic Pinel

Dr. Frederic Pinei

Dr. Emmanuel Kieffer

Dr. Ezhilmathi Krishnasamy

**Teddy Valette** 

Abatcha Olloh

Arlyne Vandeventer

Dr. Loizos Koutsantonis

University of Luxembourg, Belval Campus:

Maison du Nombre, 4th floor

2. avenue de l'Université

L-4365 Esch-sur-Alzette

mail: hpc@uni.lu





