



PRACE

# PRODUCTIVITY TOOLS FOR HIGH PERFORMANCE COMPUTING (PRACE Training Course)

24–25 October, 2018

VŠB – Technical University of Ostrava  
IT4Innovations building, training room

## Lecturers

Branislav Jansík (IT4Innovations)  
David Hrbáč (IT4Innovations)  
Lubomír Prda (IT4Innovations)

Josef Hrabal (IT4Innovations)  
Lukáš Krupčík (IT4Innovations)  
Roman Slíva (IT4Innovations)

This HPC training continues to expand your skills and knowledge in using **productivity tools** and technologies, to be able to quickly build up an **efficient HPC user environment**, from scratch, without admin rights. We shall demonstrate tools and procedures tailored to the **Salomon** and **Anselm** clusters, however they are easily **replicable** on any HPC system. The topics include:

- **GIT** [a version control system for coordinating work among multiple developers]
- **KVM** [a virtualization infrastructure for the Linux kernel that converts it into a hypervisor]
- **Docker & Singularity** [technologies for paravirtualization]
- **EasyBuild** [install and build custom programs]

The participants will **broaden their range of techniques** for efficient use of HPC by mastering modern technologies for code management and execution.

## Wednesday 24 October 2018

09:30–10:00 registration  
10:00–12:00 Introduction  
12:00–13:00 lunch break  
13:00–15:00 GIT  
15:00–15:30 coffee break  
15:30–16:45 KVM  
16:45–17:00 coffee break  
17:00–18:00 KVM

## Thursday 25 October 2018

09:00–10:30 Docker  
10:30–11:00 coffee break  
11:00–12:00 Docker  
12:00–13:00 lunch break  
13:00–15:00 EasyBuild  
15:00–15:30 coffee break  
15:30–16:30 EasyBuild



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More information & registration:  
<https://events.prace-ri.eu/event/780/>