



CernVM 2019 Workshop Introduction

Welcome!

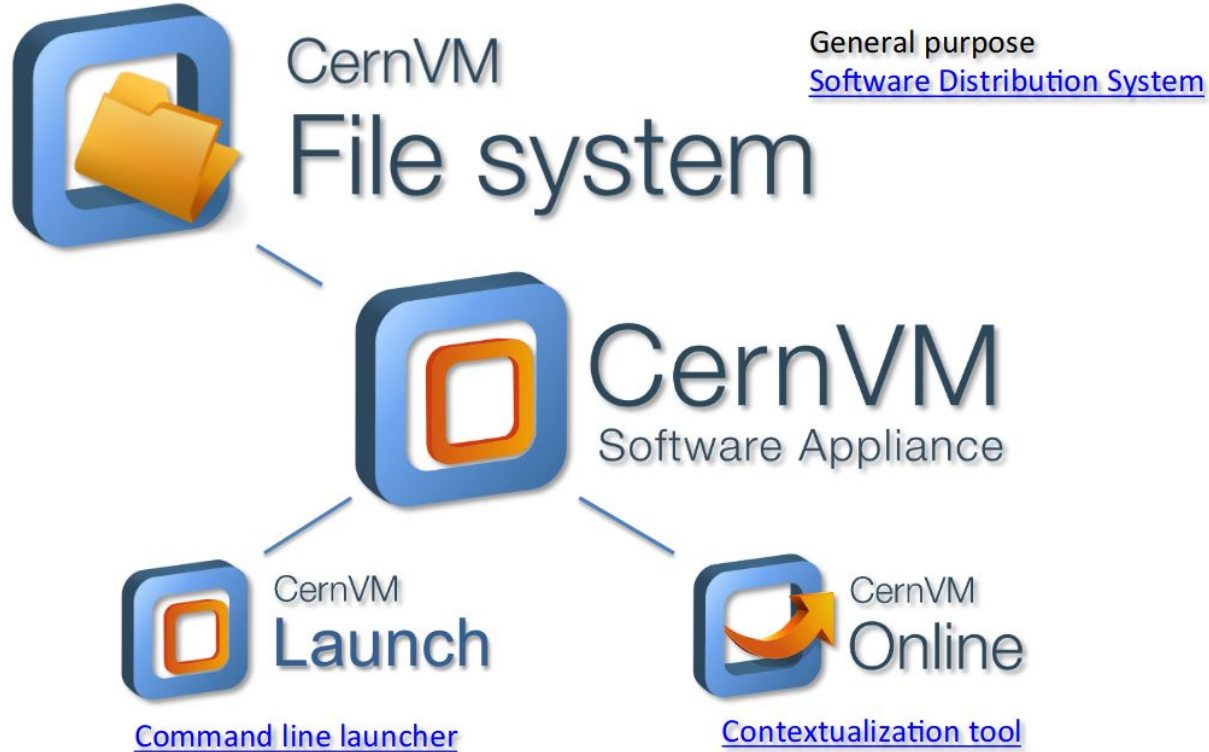
- This workshop follows a series of editions in [2015 \(CERN\)](#), [2016 \(RAL\)](#), [2018 \(CERN\)](#)
- Bringing together users, operators, and developers

- **Project mission:** global-scale software and platform delivery to run scientific applications
- **Goal of this workshop:** shape the development efforts for the next ~18 months
 - Themes: container integration, HPC, serverless computing

<https://indico.cern.ch/e/cvm19>



The CernVM Ecosystem





The CernVM Team

- Part of CERN EP-SFT
 - Jakob Blomer
 - Gerri Ganis
 - Radu Popescu (until 08/2019)
 - Simone Mosciatti (starting 09/2019)
 - Jan Priessnitz
- External collaboration with OSG
 - Dave Dykstra, Brian Bockelman, Derek Weitzel
- External collaboration with University of Notre Dame
 - Douglas Thain, Tim Shaffer, Nick Hazekamp
- Standing exchange with stratum 1 providers
 - Dan van der Ster, Enrico Bocchi, Catalin Condurache, Dave Dykstra, Ryan Taylor, John de Stefano



CernVM 2019 Workshop Sessions

- Monday morning: newly released features
- Monday afternoon: User stories and feedback
- Tuesday (**IT auditorium**): user stories and invited talks
 - Harris Hancock (Cloudflare), **Exploring Cloudflare Workers**
 - Dorian Krause (FZJ), **The evolution of the HPC facility at JSC**
 - Michael Bauer (Sylabs), **Solving Problems in HPC with Singularity**
 - Jesse Williamson (Canonical), **A Tale of Two Clusters: CernVM-FS and CephFS in Context**
 - Douglas Thain (U Notre Dame), **Scalable Applications**
 - Giuseppe Scrivano (Red Hat), **Rootless containers with Podman and fuse-overlays**
- Wednesday morning (**back here**): hands-on session on new CernVM-FS publishing functionality

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Location

- Wi-Fi Access: **CERN-Visitors** or **eduroam** networks
- You should be able to upload your slides to the agenda page
 - Otherwise please feel free to email to cernvm-workshop@cern.ch
- A Vidyo room is available, please see agenda page for the link

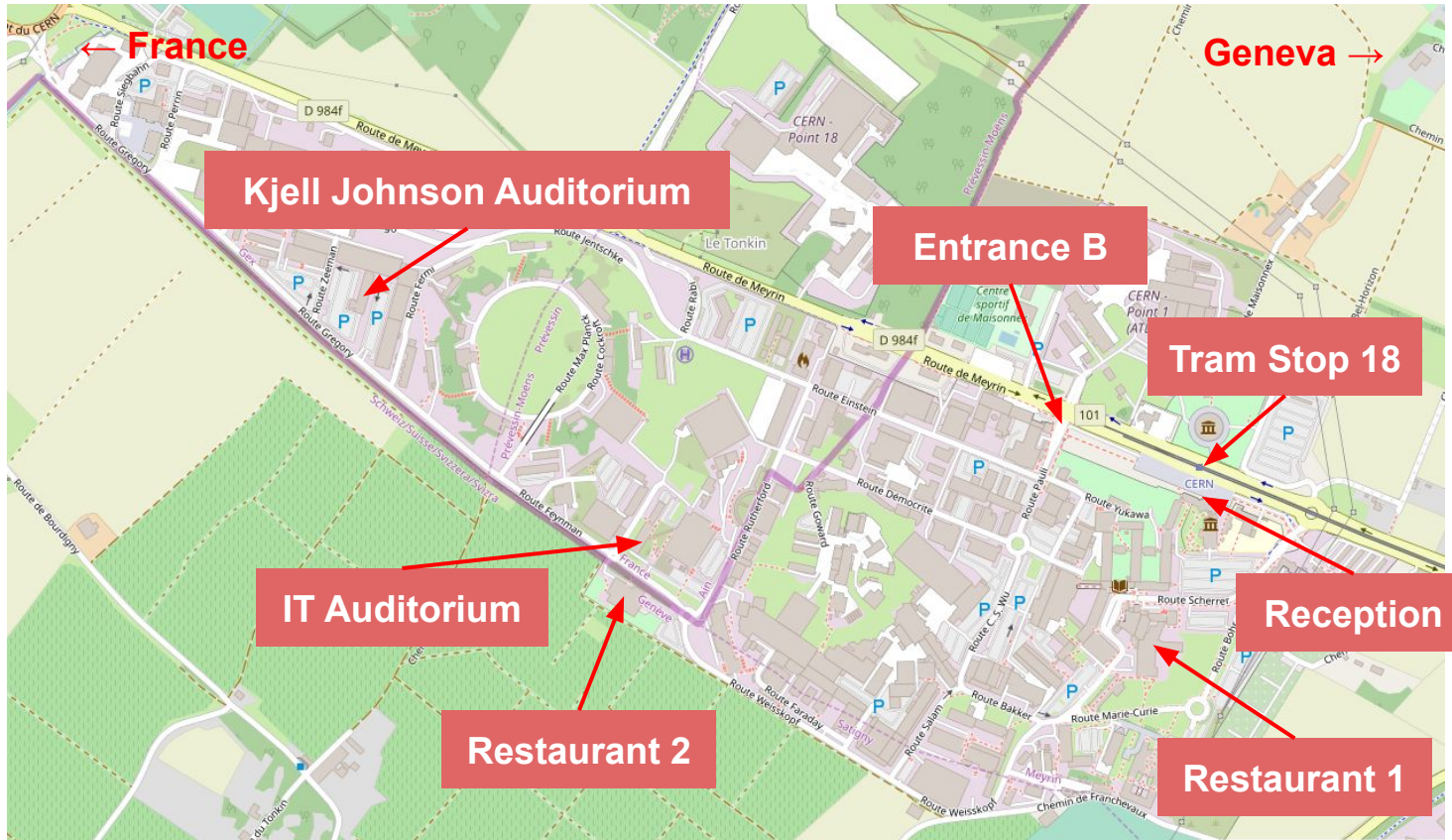
- There is a cafeteria on this floor
- Coffee breaks today and tomorrow are served at the back of the room
- For the lunch breaks, the closest restaurant is R2 next to the IT building, 5-10 min walk
 - Restaurant 1 is ~20 min walk from here

- You can use CERN shuttle line #1 to get from R1 to R2 and building 30 (here), [schedule](#)

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Location





Workshop Dinner Tonight

- We'll be happy to see you tonight at **Les Saveurs du Liban**
 - Place de la Navigation 8, 1201 Genève (Pâquis)
 - Bus stop 'Navigation', TPG lines 1, 25
 - Correspondence with tram line 18 at 'Gare Cornavin'
- Please let us know by the first coffee break if you'd like to join us
- If you'd like to go together, we'll be leaving from the CERN tram stop at 19:15

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In case of problems or questions:

cernvm-workshop@cern.ch

Enjoy the workshop!