



Virtual Training Environment (DAaaS)

Dr Stephen Longshaw



Getting Started

- We will use the STFC Cloud provided Data Analysis as a Service (DAaaS) virtual machine (VM) environment for all practical work
- Provides you with a self-contained virtual machine with:
 - Ubuntu Linux based OS
 - 16 high-end cores
 - 60GB RAM
- Access is via any web browser
- Effectively this is like a virtual Linux based high-end workstation

Please now use the link provided when you registered to create your new workspace (if you haven't already) and ensure you can launch your new VM



à training.analysis.stfc.ac.uk/workspaces/view?wsid=646f3c3ad721825110fb55c6







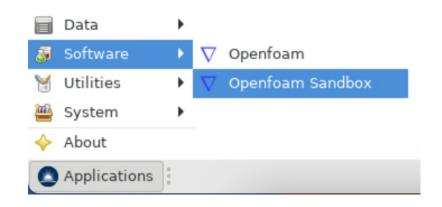
Using the Environment

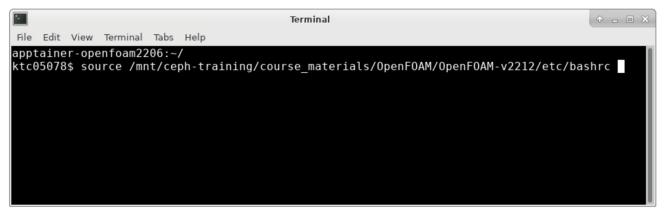
- You can access two main locations within the VM:
 - /mnt/ceph-training/course_materials/ this is where all slides, handouts and OpenFOAM
 are kept and is read-only
 - /home/[username] this is your personal home directory where you should perform any work you do
- The VM contains the following software that we will use:
 - ESI OpenFOAM v2212
 - Kitware ParaView 4.4.0



Using OpenFOAM

- Open your VM
- 2. Launch the OpenFOAM Sandbox terminal environment
- 3. Source the precompiled OpenFOAM v2212 installation





4. Create a new OpenFOAM user directory (/home/[username]/OpenFOAM/[username]-v2212)







Scientific Computing

