

Running Lava2D on VICTOR

1. Log into victor at `victor.2i2c.cloud`. We suggest using the second smallest machine for this workflow.
2. Open a Terminal window, enter `'victor setup'` and then enter the number associated with Lava2D.
3. Open `lava2d.ipynb` inside the new folder that has been created within your home directory.
4. Run the import cell to ensure you have the necessary tools to run the model.
5. Provide a file path for your DEM file, and specify your desired resolution by using the “`downscale`” variable. 1 will indicate use of original resolution, 2 will be half, and so on.
6. Provide the latitude (`lat_src`) and longitude (`lon_src`) coordinates of the vent.
7. Run the cell to plot your DEM and check the vent position.
8. In the next few cells, provide parameters to describe the eruption, lava, rheological properties, temperature and numerical constraints of the model.
9. Play cells to set up and then run the model.
10. See which timestep options are available, and assign your choice to the “`chosen_time`” variable.
11. Run the remaining cells to plot your results.

