

Thank You & Homework

Sign up for the [Researchers' Handbook for AWS](https://aws.amazon.com/rcp) at aws.amazon.com/rcp . Browse data at <https://registry.opendata.aws>

Tutorials:

- If you have your own AWS account, use that.
- The Alces Flight demo will run in an Alces account, but you won't have to worry about it.
- You can run the SageMaker demos in this account (today only):

<https://001868661679.signin.aws.amazon.com/console> user: unidata ; p/w: unidata2018

1. Alces Flight compute cluster - NAMD tutorial: Launch "Performance Compute (SGE)" cluster at <https://launch.alces-flight.com/default/launch> , wait for e-mail confirmation, then tutorial from <http://docs.alces-flight.com/en/stable/getting-started/environment-usage/using-openfoam-with-alces-flight-compute.html>
2. WRF4.0 on AWS: http://www2.mmm.ucar.edu/wrf/OnLineTutorial/wrf_in_cloud_aws_tutorial.php
3. GEOS-CHEM on AWS: http://cloud-gc.readthedocs.io/en/latest/chapter02_beginner-tutorial/quick-start.html
4. Containers + AWS Batch for DNA sequencing: <https://aws.amazon.com/blogs/compute/building-high-throughput-genomics-batch-workflows-on-aws-introduction-part-1-of-4/>
5. Containers – WRF Big Weather Web: www.bigweatherweb.org
6. Serverless Computing – PyWren: <http://pywren.io/pages/gettingstarted.html>
then <https://github.com/pywren/examples/>
7. SageMaker Machine Learning labs: files from <https://bit.ly/2HhD2SG> ; instructions at <https://github.com/wleepang/sagemaker4research-workshop> ; further labs at <https://developmentseed.org/blog/2018/01/19/sagemaker-label-maker-case/> and <https://aws.amazon.com/blogs/machine-learning/simulate-quantum-systems-on-amazon-sagemaker/>