Using Clouds and VMs in bioinformatics training: using docker on AWS for bioinformatics workshops.

Aim: In this workshop, you will get an introduction to Amazon Web Services (AWS) and how in combination with docker, you can use these resources for your own workshops.

Learning objectives:

By the end of the worshop, you will be able to:

- Navigate the AWS Console
- Manage AWS instances (prepare, securise, start and stop)
- Deploy docker images on AWS instances

Schedule

1. Short presentation of the AWS console
2. Accessing the AWS console (either using your own account or a workshop)
3. Creating, accessing and configuring an AWS instance
4. Deploying a docker image on the AWS instance
5. Deploying a website on the AWS instance
6. Performing an HTS analysis on the AWS instance
7. Summing up the AWS + docker worshop and a few info on how to get AWS credit grants