

Exercise Guide CLO 2021

VirtualBox VM: <https://oxclo.s3-eu-west-1.amazonaws.com/oxclo2021.ova>

For the Ubuntu VM username and password : **oxclo/oxclo**

AWS login link:

<https://ox-clo.signin.aws.amazon.com/console>

AWS login: oxcloXX / oxcloXX (change password first time).

Exercises: <https://freo.me/oxclo-exercises>

| Exercise | Description |
|----------|---|
| 0 | Trying out the VM and using Lambda Calculus in Python |
| 1 | Getting Started with Amazon AWS / EC2 |
| 2 | Scaling an app in EC2. Userdata. |
| 3 | Elastic load-balancing in AWS |
| 4 | Simple Docker Docker-machine |
| 5 | Python, Pandas, Matplotlib |
| 6 | Apache Spark and Python Word Count |
| 7 | Apache Spark on EC2, flintrock, Jupyter on EC2 |
| 8 | More Spark! |
| 9 | Even More Spark! |
| 10 | Basic Cassandra, Importing data via Spark |
| 11 | Understanding CQL |
| 12 | Clustering k-means |
| 13 | Stream Processing / Kappa |