2) Hadoop/HadoopFS cluster creation and usage

2a) Create on Amazon AWS (or on any other Cloud you can access) a small Hadoop/HadoopFS cluster. Start with a single node installation and expand the cluster adding at least two more nodes.

2b) Connect from your laptop to the Hadoop Web interface and describe some screenshots taken from it.

2c) Move some data in and out to the HDFS cluster and describe the application used for these data movement.

2d) Create and run a simple MapReduce application in a language of your choice.

 2e) Optionally: discuss how you would address the NGS challenge presented during the course using the MapReduce paradigm. (hint: solutions taken from literature can be presented). The challenge should not be completed or run using a MapReduce application, just describe the approach that you would use.

(hint: follow the receipts that were referenced during the course or in any other similar web resource)

(Pay Attention: do not open to the World the HDFS and YARN interfaces)