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Ethical Hacking HW 1-2

Product: AWS S3

Description: This is a ***distributed file system*** as it is an 'infinitely' scalable storage solution for flat files that spreads across various networked computers via chunking. Another alternative is EFS (Elastic File System), however this does not integrate as natively as S3, and has other limitations.

Product: AWS EMR

Description: Elastic Map Reduce is a ***MapReduce*** microservice. It's a 1 to 1 for MapReduce and allows you to decouple the compute/storage while still being able to run popular open source tools.

Product: AWS Lambda

Description: Lambda can be a ***resource manager***, as it is a receives information from a source (EMR/Cloudwatch) and can adjust the size of the EMR cluster.

Note/Overview: *I've personally never used Hadoop or EMR, however I imagine all of this could be created more 'plainly' with EC2s/Lambdas and a storage facility. The microservices allow you to offload some of the logistics so you don't have to worry about the upkeep of an OS/etc. I am also struggling to determine the differences between ETL and a MapReduce system.*