Homework 4
CS 118: Cloud Computing
Fall '22

Assigned: 10/26/22
Due: 11/17/22 at 11:59PM Medford Time
Please submit on Gradescope in PDF format

GFS

1 - GFS architecture (12 pts). What is the role of the Metadata Server in GFS?

2 - **GFS architecture again (12 pts).** GFS is traditionally thought of as being a poor design choice for workloads that use many small files instead of very large ones. Do you agree? Why or why not?

3 - GFS design choices (12 pts). Joe, who was fired from ACME OS, has recently been hired by ACME Storage. He is designing a cloud-storage system for a customer that desires very low latency reads and writes. He suggests using the GFS architecture. Is this a good idea? Why or why not?

Extra Credit (10 points)

Suggest a homework question based on anything you've learned in class. If we like it, we may use it the next time this class is taught!