Guidelines for Cloud Compute Resources (AWS and GCP)

Each Capstone team is allocated around 1000$ AWS budget for their project. This would imply around 10 days of P2 spot instance compute that costs around $99 for 24 hr compute resources. S3 bucket charges are around $10 per day. Please be cognizant of these costs and use the AWS resources responsibly. GCP resources will be used for learning in the Live class sessions only. Capstone projects will need special permission from the instructor for being hosted on GCP.

AWS usage calculator: https://calculator.aws/#/

To ensure enough cloud resources for all team members the following rules should be strictly followed until the end of the program:

A. AWS:
1. Only P2 instances should be used for project work. P3 instances should be specially requested and will be allocated for the requested hours only (usage will be closely monitored).
2. No simulations should run for more than 24 hours at a time. Every morning Ec2 instances runtime will be inspected. Instances >24 hrs will be stopped. Stopping instances does NOT imply termination. You may resume your work where you started, your last run may be lost. So ensure you retrieve your results regularly.
3. All EC2 instances and S3 buckets should include project tags. Untagged instances will be stopped.
4. It is YOUR responsibility to clean up after each job is completed. DONT ASSUME that not cleaning/terminating instances will not accrue costs. Once your experiment is done, please delete all S3 buckets, code and nodes.

B. GCP
1. All bit buckets and models/versions will be deleted at 11pm PST everyday. If you need to submit a job, please do so accordingly.
2. No jobs will run more than 24 hours on GCP.
3. AI Platform currently has AutoML Apis running. If any other APIs are needed, they should be specially requested and used for limited time only.