**First meeting**

* Overview of what the cloud is
  + On-prem vs cloud
* Overview of leading cloud providers
  + AWS
  + GCP
  + Alibaba
  + Salesforce
  + Netlify
* IAAS vs PAAS vs SAAS

**Cloud storage**

* Discuss basic cloud storage (everyday examples - Google Photos, Google Drive, etc.)
* Database cloud storages
* S3 buckets

**Cloud computing Meeting**

* EC2 instances
* …

**General learning ideas**

* One week we explain a concept. The following week, we practice it (i.e., talk about cloud computing then use ec2’s the next week).
* GitHub organization
  + Any repository in the organization (following a naming convention) has access to certain IAM things
  + For example, repository calisle-s3 has access to manage s3, calisle-ec2 has access to ec2, etc.
* TEMPLATE REPOSITORIES!!!!!!
  + Includes github action that manages IAM authentication magic (this tedious and most people will be turned away if they have to start with this when learning aws)
* Once a decent amount of technologies have been learned (s3, cloudfront, ec2), prompt members to deploy project (personal site or server for example) using cloudformation.
* Collectively configure SNS?

**“Practical” meeting ideas** (where we actually use the aws service)

* Have presentation going over the process of allocating resource in AWS console
* Then present going through the AWS cloudformation (or do this with everyone doing their own thing)

Note that there needs to be something that will limit/restrict people on ec2 so that the cost doesn’t go through the roof.

* EC2 could be something that is taught, but never granted access through any repository
* Be careful with IAM policies - do NOT use full-privilege policies of any kind
* Put disclaimer somewhere telling people their resources are not “safe” in a shared account like this or something idk

**More structured thoughts**

Week 1

* discuss the basic concepts of cloud
* Have everyone join GitHub org
* Have everyone configure personal aws accounts

Week 2

* Storage

Week 3

* Discuss GitHub actions
* Discuss S3
* Discuss IAM
* Have everyone create:
  + GitHub repo (from template)
  + IAM role

Requirements

* 5 members minimum
* Minimum 80% of members must be ISU students
  + Non ISU students cannot participate in voting
* Constitution and bylaws must be created (and approved)
  + Refer to 11b of <https://www.policy.iastate.edu/policy/sorp> when making this
* …