Principles: Cloud Computing Technology: AWS introduction, Console, CLI, SDK

Assumptions

None

Out of class learning activities

Cloud computing lets us use computing resources owned and managed by others rather than having to plan, purchase, and maintain our own computing resources.

Read:

Microsoft article
https://azure.microsoft.com/en-us/overview/what-is-cloud-computing/

Do:

In AWS, there are three ways to do just about anything:
1. Use the AWS web console to interactively perform a task
2. Use the AWS Command-Line Interface (CLI) to perform the task from the command-line
3. Use the AWS Software Development Kit (SDK) to perform the task from a program

If you do not already have one, sign up for an AWS Educate account. Instructions can be found here:
https://s3-us-west-2.amazonaws.com/cs340-byu/AWS-Setup2018.pdf

Login to your AWS account, and use the AWS console to create an S3 bucket and copy a file into it.

Install and Configure AWS CLI
1. Go to https://aws.amazon.com/cli/
2. Click on "User Guide"
3. Review the documentation for installing, configuring, and using the AWS CLI
4. Use the CLI to create an S3 bucket and copy file into it

In class you will write a program that uses the AWS SDK to programmatically copy a local file into an S3 bucket.