Self-study advice and preparation

Understanding Amazon Web Services

Objectives

Use self-study to learn about general AWS cloud services
- Follow practice guidelines to learn how to access and work with the AWS Management Console to create your EC2 VM instance and S3 bucket
- Follow practice guidelines to learn how to access your Amazon Machine Instance with the SSH client
- Learn what services are available via console and how to navigate around these services
- Learn about AWS instance type and their general usage https://aws.amazon.com/ec2/instance-types/
- Learn about AWS pricing model and experiment with the monthly price calculator

Prerequisite

One of the options to obtain your access to AWS cloud services should apply.

1) AWS Educate class account

In most cases, for educational purposes you will provided with the educational credits as a part of the course AWS Educate class.

When enrolling/registering to AWS Educate class be careful to provide your graduate date. It must be after the course will end (otherwise your access will be blocked)

Note: The AWS Educate account provides limited access to AWS resources but sufficient for all course's practical works and assignments.

2) Individual AWS Starter free tier account

Consider subscribing to AWS Free Tier Account
https://aws.amazon.com/free/free-tier/
The benefit is that you will have much freedom in experimenting with AWS services.

- Your will get initial free credits valued at 100 USD for 12 months
- You need to provide your creditcard number. However, be assured that after using all your free credits, you **will not be charged** without your explicit confirmation. You will still have access to free tier services.

Resources

- AWS guidelines – posted on Canvas (optionally in a shared Google folder)
- Amazon self-paced labs provided by https://amazon.qwiklabs.com/ - Search for topics: Introduction to Amazon EC2, and Introduction to Amazon Simple Storage Service (S3)
- Free AWS tutorials provided by AWS for general learning paths (focused and intermediate) - https://aws.amazon.com/getting-started/
- Simple monthly calculator available online https://calculator.s3.amazonaws.com/index.html
- Find and watch video tutorials on YouTube