**AWS services can be broadly grouped into the following categories:**

**Compute:** Amazon Elastic Compute Cloud (EC2) is the linchpin of AWS compute services.EC2 reduces the time required to obtain and boot new server instances to minutes, which allows you to quickly scale capacity, both up and down, as your computing requirements change. The EC2 service can be combined with Elastic Load Balancing and Auto Scaling services to develop a high availability and high performance infrastructure for your applications.

**Networking:** The networking group of services provides a DNS service, gives you direct control over you virtual networking environment on AWS, and enables you to interact with Amazon EC2 instances as if they were within your existing network.

**Storage:** AWS provides several storage options that correspond to the type of usage and data.

Administration and security: AWS enables you to manage authentication and authorization of users through the AWS Identity and Access Management (IAM) service. Amazon CloudWatch and AWS CloudTrail enable you to monitor performance metrics and log calls made to services.

**Applications:** Application services such as Amazon Workspaces enable you to easily provision cloud-based desktops and provide users with access to the documents, applications, and resources they need from any supported device.

You can use AWS services to build cloud applications and mobile applications. This slide shows which AWS services can be used to develop features of a mobile application.

1. To the right of the lab title, click Start Lab to launch your Qwiklabs.
2. On the Connect tab in Qwiklabs, scroll down to Key Pair Details. Then click on the dropdown menu for EC2 Key Pair Private Key, and click Download PEM.

Note if you are on a Windows machine and are planning on connecting to Amazon EC2 Linux, click Download PPK which is format specific to using PuTTY.

1. On the Connect tab of the Qwiklabs page, copy the Password to the clipboard and then click Open Console.
2. Sign in the AWS Management Console using the following steps:
3. For User name, type awsstudent
4. For Password, please the password from the clipboard.
5. Click Sign In
6. To display the list of EC2 Instances, on the Services menu, click EC2 and then in the navigation pane, click Instances.
7. To establish either an SSH connection to LINUX Dev Instance or a Remote Desktop connection to WINDOWS Dev Instance, follow the steps in one of the following sections.

On the Linux EC2 instance, you will have access to Vi and Nano text editors. To connect to the Linux EC2 instance, see the following directions.

. Task 1.2: Connect to LINUX Dev Instance from a Windows Machine

. Task 1.3: Connect to LINUX Dev Instance from a macOs Machine

On the windows EC2 instance you will have access to Visual Studio, Eclipse, and PyCharm IDEs. To connect to the Windows EC2 instance, see the following directions:

. Task 1.4: Connect to LINUX Dev Instance from a Windows Machine

. Task 1.5: Connect to LINUX Dev Instance from a macOs Machine

Note if you do not have a preference, choose the Windows EC2 instance because the installed IDEs can make it easier to troubleshoot your code.