

Amazon AWS and Google Cloud

Assignment - 2

Amazon Account

The screenshot shows the Amazon AWS Account Settings page. The left sidebar contains a navigation menu with links to Dashboard, Bills, Cost Explorer, Budgets, Reports, Cost Allocation Tags, Payment Methods, Payment History, Consolidated Billing, Preferences, Credits, Tax Settings, and DevPay. The main content area is divided into three sections: Account Settings, Contact Information, and Payment Currency Preference. The Account Settings section displays the Account Id (573810343450), Account Name (Ishita Shah), and Password (*****). The Contact Information section displays the Full Name (Ishita Shah), Address (9509B, Char, North Carolina, 28262, US), Phone Number (9803650893), Company Name (UNC Charlotte), and Website URL. The Payment Currency Preference section displays a message about setting a Payment Currency and a link to edit the preference.

Account Settings

Account Id: 573810343450
Account Name: Ishita Shah
Password: *****

Contact Information

Full Name: Ishita Shah
Address: 9509B
City: Char
State: North Carolina
Postal Code: 28262
Country: US
Phone Number: 9803650893
Company Name: UNC Charlotte
Website URL:

Payment Currency Preference

When you set a Payment Currency you will be able to view your estimated bills and pay your AWS invoices in your preferred currency.
Who should use this service:
Many customers pay foreign transaction fees when they use their credit cards for cross border transactions. We've worked hard to provide

Putty Login and adding the key.

The screenshot shows the PuTTY Configuration dialog box. The left sidebar contains a navigation menu with links to MindTerm, Stop and Start, Reboot, Retire, Terminate, Recover, Configure Instances, Identify Instances, Monitoring, Network and Security, Storage, Resources and Tags, EC2Rescue for Linux, Troubleshooting, Document History, and AWS Glossary. The main content area is divided into two sections: PuTTY Configuration and On this page. The PuTTY Configuration section displays the Category (SSH) and the Options controlling SSH authentication. The Authentication methods section shows the Attempt authentication using Pageant checkbox checked. The Authentication parameters section shows the Private key file for authentication set to C:\Users\Ishita\OneDrive\Desktop\Key- and a Browse... button. The On this page section contains a list of prerequisites and a starting a PuTTY session section.

PuTTY Configuration

Category: SSH

Options controlling SSH authentication

☒ Display pre-authentication banner (SSH-2 only)
☐ Bypass authentication entirely (SSH-2 only)

Authentication methods

☒ Attempt authentication using Pageant
☐ Attempt TIS or CryptoCard auth (SSH-1)
☒ Attempt "keyboard-interactive" auth (SSH-2)

Authentication parameters

☐ Allow agent forwarding
☐ Allow attempted changes of username in SSH-2
Private key file for authentication:
C:\Users\Ishita\OneDrive\Desktop\Key- [Browse...](#)

On this page:

Prerequisites

Converting Your Private Key Using PuTTYgen

Starting a PuTTY Session

Transferring Files to Your Linux Instance Using the PuTTY Secure Copy Client

Transferring Files to Your Linux Instance Using WinSCP

6. If this is the first time you have connected to this instance, PuTTY displays a security alert dialog box that asks whether you trust the host you are connecting to.

7. (Optional) Verify that the fingerprint in the security alert dialog box matches the fingerprint that you previously obtained in step 1. If these fingerprints don't match,

aws

Services

Resource Groups

🔔

Ishita Shah

N. Virginia

Support

EC2 Dashboard

Events

Tags

Reports

Limits

INSTANCES

Instances

Launch Templates

Spot Requests

Reserved Instances

Dedicated Hosts

Scheduled Instances

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Snapshots

NETWORK & SECURITY

Security Groups

Resources

You are using the following Amazon EC2 resources in the US East (N. Virginia) region:

0 Running Instances

0 Elastic IPs

0 Dedicated Hosts

0 Snapshots

1 Volumes

0 Load Balancers

1 Key Pairs

2 Security Groups

0 Placement Groups

EC2 Spot. Save up to 90% off On-Demand Prices. Turbo Boost your Workloads. Get started with Amazon EC2 Spot Instances.

Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

Launch Instance

Note: Your instances will launch in the US East (N. Virginia) region

Service Health

Service Status:

US East (N. Virginia):

✔ This service is operating normally

Scheduled Events

US East (N. Virginia):

No events

Account Attributes

Supported Platforms

VPC

Default VPC

vpc-f9203381

Resource ID length management

Additional Information

Getting Started Guide

Documentation

All EC2 Resources

Forums

Pricing

Contact Us

AWS Marketplace

Find free software trial products in the AWS Marketplace from the EC2 Launch Wizard. Or try these popular AMIs:

Barracuda NextGen Firewall F-Series - PAYG

Instances and keys

First running instance

The screenshot displays the AWS Management Console interface, specifically the 'Volumes' and 'Instances' sections. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information (Ishita Shah, N. Virginia, Support).

Volumes Page:

- Left Sidebar:** EC2 Dashboard, Events, Tags, Reports, Limits, INSTANCES, Images, ELASTIC BLOCK STORE, Volumes (selected), Snapshots, NETWORK & SECURITY.
- Top Bar:** 'Create Volume' and 'Actions' buttons.
- Table:** A table with columns: Name, Volume ID, Size, Volume Type, IOPS, Snapshot, Created, Availability Zone, State, and Alarm. One volume is listed: 'vol-0ee0e03e6f8f319' with a size of 8 GiB, type gp2, and state 'in-use'.
- Details Panel:** Shows details for 'vol-0ee0e03e6f8f319':
 - Description:** Volume ID: vol-0ee0e03e6f8f319, Size: 8 GiB, Created: January 26, 2018 at 5:56:39 AM UTC-6, Availability Zone: us-east-1a.
 - Status Checks:** Alarm status: None, Snapshot: snap-0fcf0cc696bfc5348.

Instances Page:

- Left Sidebar:** EC2 Dashboard, Events, Tags, Reports, Limits, INSTANCES, Instances (selected), Launch Templates, Spot Requests, Reserved Instances, Dedicated Hosts, Scheduled Instances, Images, AMIs, Bundle Tasks, ELASTIC BLOCK STORE, Volumes, Snapshots, NETWORK & SECURITY.
- Top Bar:** 'Launch Instance', 'Connect', and 'Actions' buttons.
- Table:** A table with columns: Name, Instance ID, Instance Type, Availability Zone, Instance State, Status Checks, Alarm Status, Public DNS (IPv4), and IPv4. One instance is listed: 'i-0de2202dc6dc7dbc7' with type 't1.micro', state 'stopped', and availability zone 'us-east-1a'.
- Details Panel:** Shows details for 'i-0de2202dc6dc7dbc7':
 - Description:** Instance ID: i-0de2202dc6dc7dbc7, Instance state: stopped, Instance type: t1.micro, Private IP: 172.31.32.44.
 - Status Checks:** Public DNS (IPv4): -, IPv4 Public IP: -, IPv6 IPs: -, Private DNS: ip-172-31-32-44.ec2.internal, Private IPs: 172.31.32.44.

Instance Details Summary:

Property	Value
Instance ID	i-0de2202dc6dc7dbc7
Instance state	stopped
Instance type	t1.micro
Elastic IPs	-
Availability zone	us-east-1a
Security groups	SG_EC2, view inbound rules
Scheduled events	-
AMI ID	amzn-ami-pv-2017.09.1.20180115-x86_64-aws (ami-e870f3b2)
Public DNS (IPv4)	-
IPv4 Public IP	-
IPv6 IPs	-
Private DNS	ip-172-31-32-44.ec2.internal
Private IPs	172.31.32.44
Secondary private IPs	-
VPC ID	vpc-f9203381
Subnet ID	subnet-8afc93d7

Key and its configuration

AWS Management Console interface for Key Pairs.

Services ▾ Resource Groups ▾ ☆

Notification: Ishita Shah ▾ N. Virginia ▾ Support ▾

Buttons: Create Key Pair Import Key Pair Delete

Filter by attributes or search by keyword

Key pair name	Fingerprint
Key-ec2	23:0f:22:e5:ba:f7:9d:67:b7:df:ea:c7:69:3e:5f:33:c4:b0:af:03

Key Pair: Key-ec2

Key pair name	Fingerprint
Key-ec2	23:0f:22:e5:ba:f7:9d:67:b7:df:ea:c7:69:3e:5f:33:c4:b0:af:03

Billing Alarm

AWS Management Console interface for Billing Alarm.

Services ▾ Resource Groups ▾ ☆

Notification: Ishita Shah ▾ N. Virginia ▾ Support ▾

CloudWatch Dashboards

Alarms

ALARM

INSUFFICIENT

OK

Billing

Events

Rules

Event Buses

Logs

Metrics

Favorites

Create Alarm

Billing Alarm

You can create a billing alarm to receive e-mail alerts when your AWS charges exceed a threshold you choose. Simply:

1. Enter a spending threshold
2. Provide an email address
3. Check your inbox for a confirmation email and click the link provided

When my total AWS charges for the month exceed: \$ 10 USD

send a notification to: ishah3@uncc.edu

Reminder: for each address you add, you will receive an email from AWS with the subject "AWS Notification - Subscription Confirmation". Click the link provided in the message to confirm that AWS may deliver alerts to that address.

Additional settings

Provide additional configuration for your alarm.

Alarm Preview

This alarm will trigger when the blue line goes above the red line


EstimatedCharges > 10 for 1 datapoints within 6 hours

More resources


- [AWS Billing console](#)
- [Getting started with billing alarms](#)
- [More help with billing alarms](#)
- [AWS Billing FAQs](#)

Additional Info


- [Getting Started Guide](#)
- [Monitoring Scripts Guide](#)
- [Review and Features](#)
- [Documentation](#)
- [AWS Support](#)
- [Report an Issue](#)




Services ▾Resource Groups ▾★

Ishita Shah ▾N. Virginia ▾Support ▾

Launch Status

Your instances are now launching

The following instance launches have been initiated: `i-0df7a3af074b42c9f` [View launch log](#)

Get notified of estimated charges

[Create billing alerts](#) to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.

Click **View Instances** to monitor your instances' status. Once your instances are in the **running** state, you can **connect** to them from the Instances screen. [Find out](#) how to connect to your instances.

▼ Here are some helpful resources to get you started

- [How to connect to your Linux instance](#)
- [Learn about AWS Free Usage Tier](#)

- [Amazon EC2: User Guide](#)
- [Amazon EC2: Discussion Forum](#)

While your instances are launching you can also

Compare the Google cloud service and Amazon cloud service.

Parameters	AWS	Google Cloud Service
Usability	This Service would be resistant to attacks from the intruders and unauthorized users, malpractices, malicious users but it does have a few glitches and errors like client and server side.	This Service is again resistant to the bad users but it does have App Engine errors and some transient errors. A few errors associated with bucket and object utilization.

Security	Is highly secured and has the security configuration option provided. Logs, access control and security groups exist	Have teams that help. Like data center physical security teams, Server and software stack security teams, they help.
Price	Provides the possible best services though the price(plan) is very detailed and intricate to understand	Service is not that open and convenient but the price plans are clear.
List of Products	AWS offers a list of products and services, probably the best one in todays time.	Has lesser known services and products
Other Aspects	Is the winner and at forefront in the market.	Too flexible with instance and their configurations.