Experiment no. 1

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Branch: CSE-IOT
Sec/Grp: 1/A
Semester: 6th Sem
Date: **09**/02/2022
Subject: CCIoT Lab
Code: CSD-387

1. Aim/Overview of the practical:

Hands on Lab: Creating IBM Cloud account

2. Task to be done:

To access the resources and services that the IBM Cloud provides, we need an IBM Cloud account.

We have to create our IBM Cloud account in this practical and create one cluster.

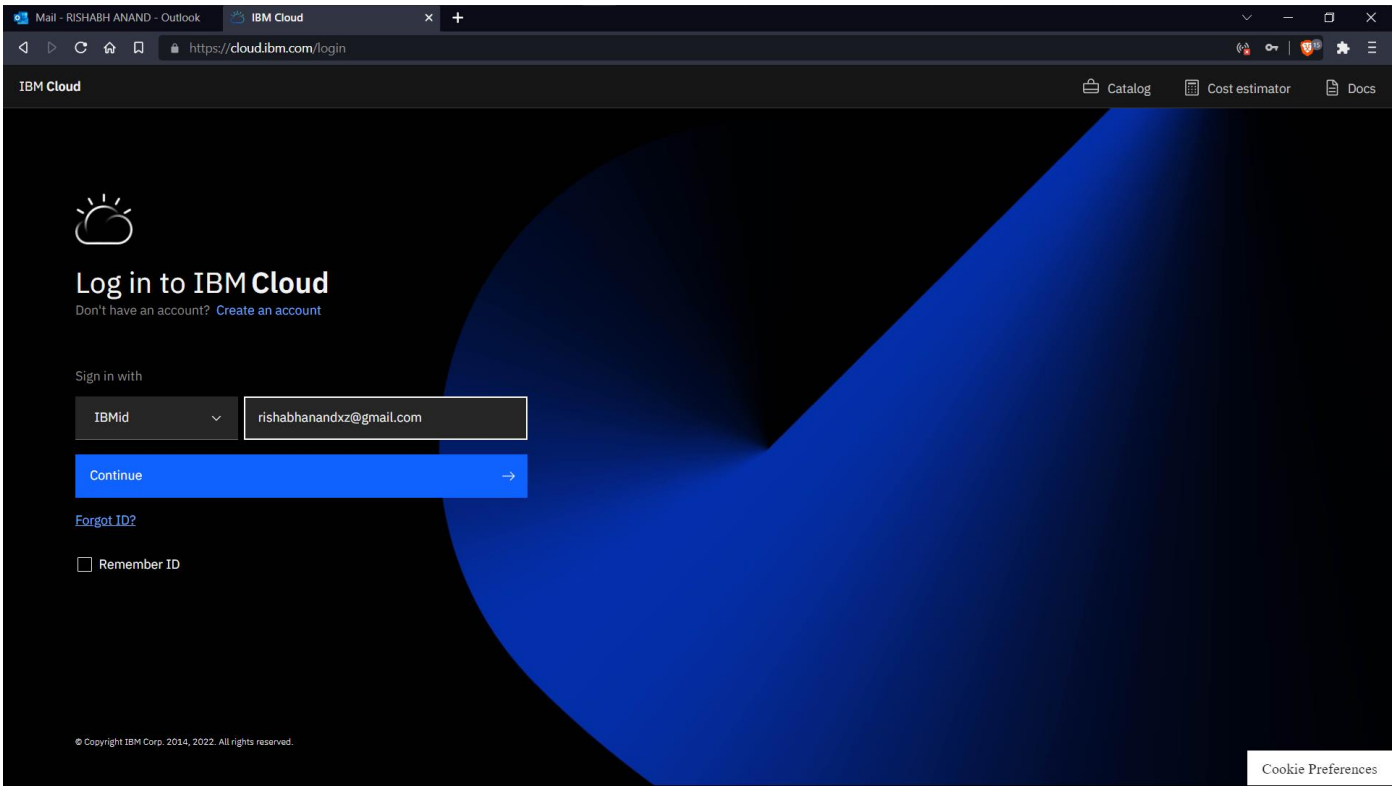
3. Algorithm/Flowchart:

N/A

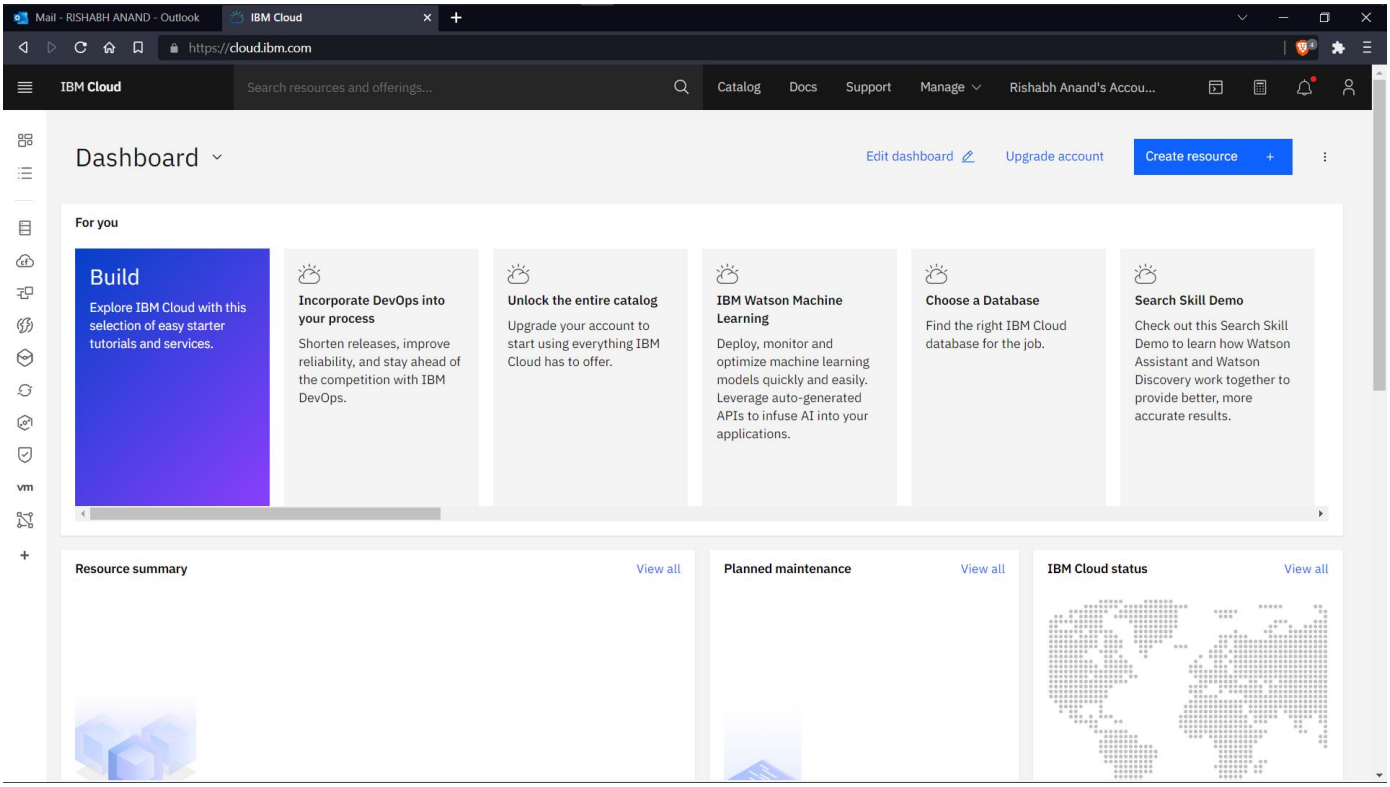
4. Steps for experiment/practical:

1. Go to: https://cloud.ibm.com/registration/trial to create a trial account on IBM Cloud.

2. You will be directed to your login page. Login with your username

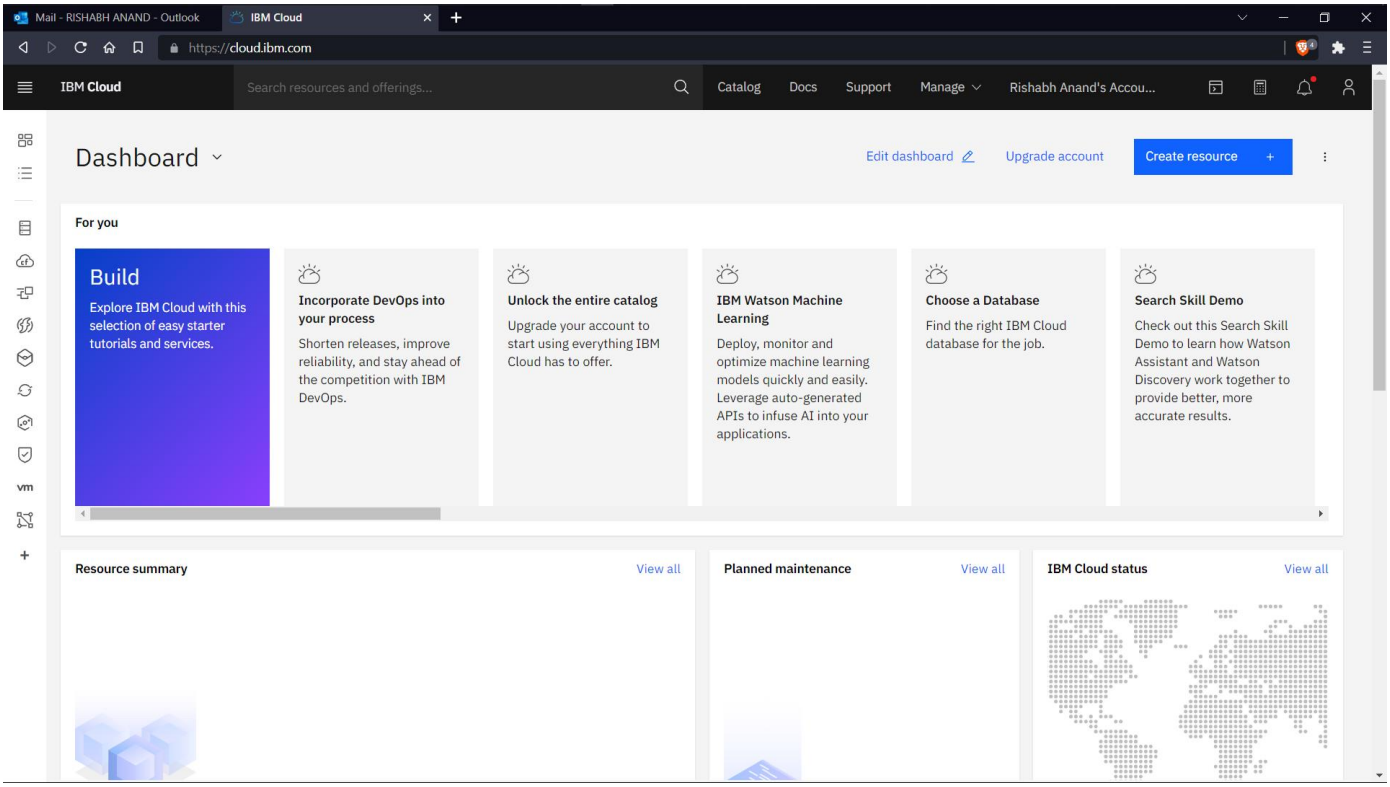


3. After that you will be directed to your dashboard, now explore it. Done!

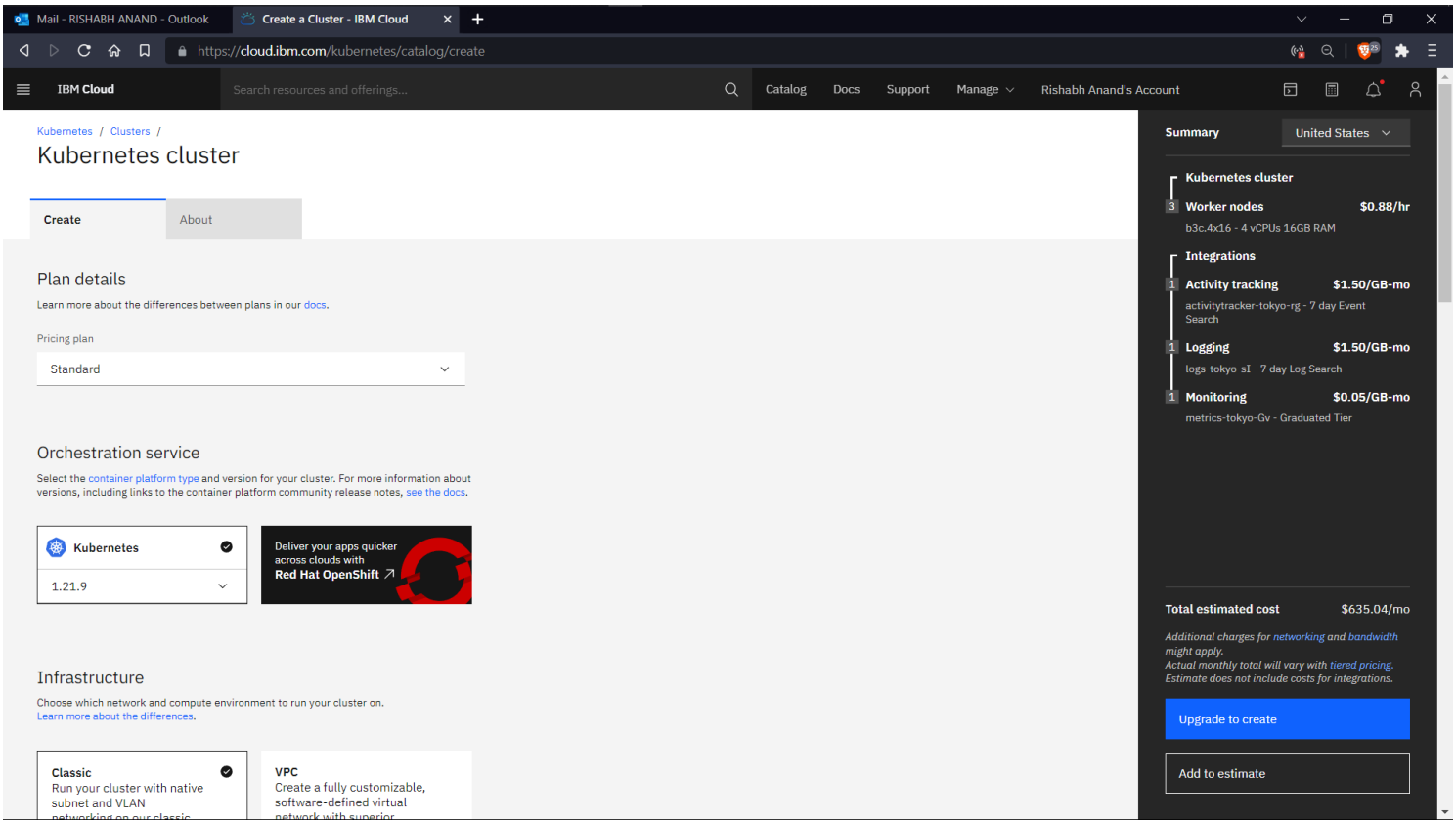


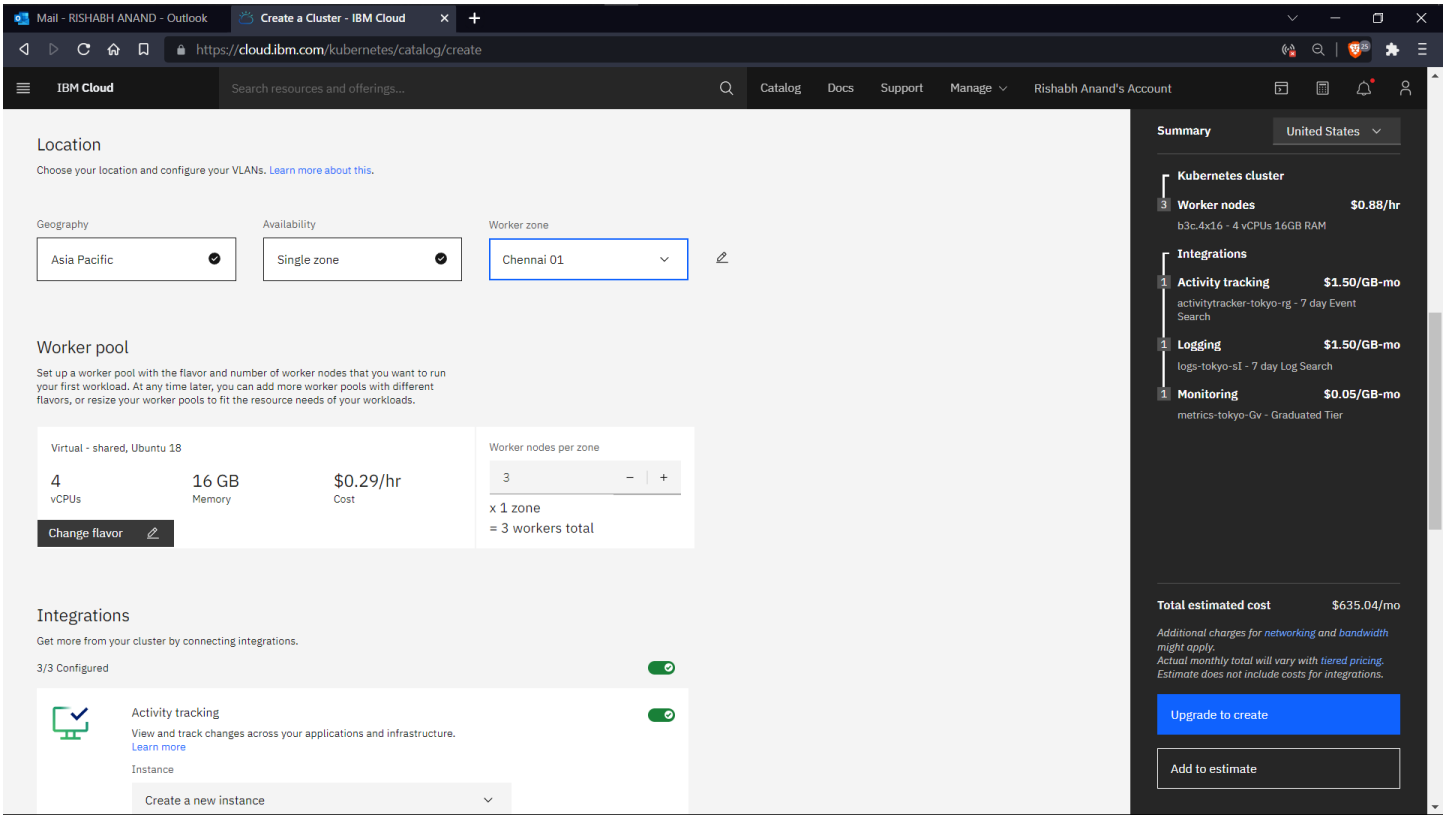
5. Output: Image of sample output to be attached here

- Your IBM Cloud account is created

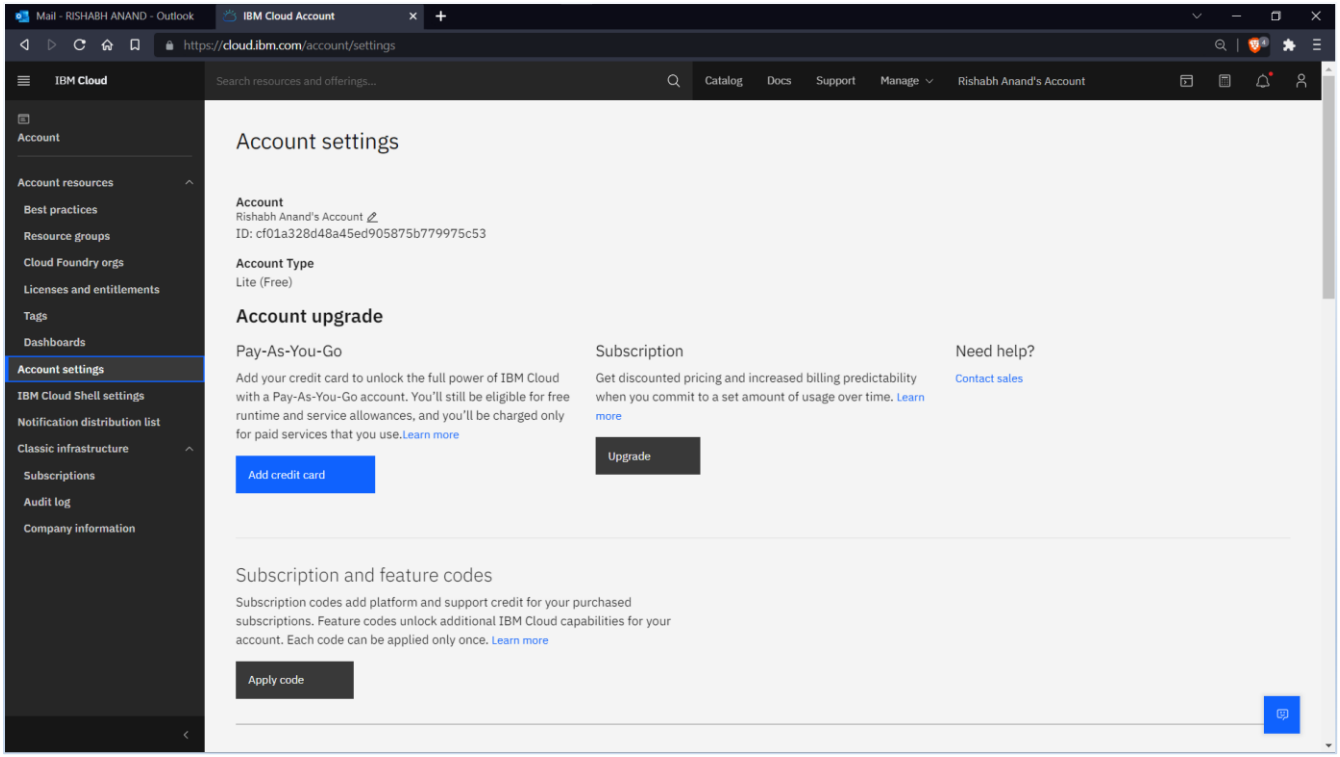


- Go to navigation-> Kubernetes -> Clusters.
- Create one new free cluster with geography as Asia Pacific and worker zone as Chennai01.

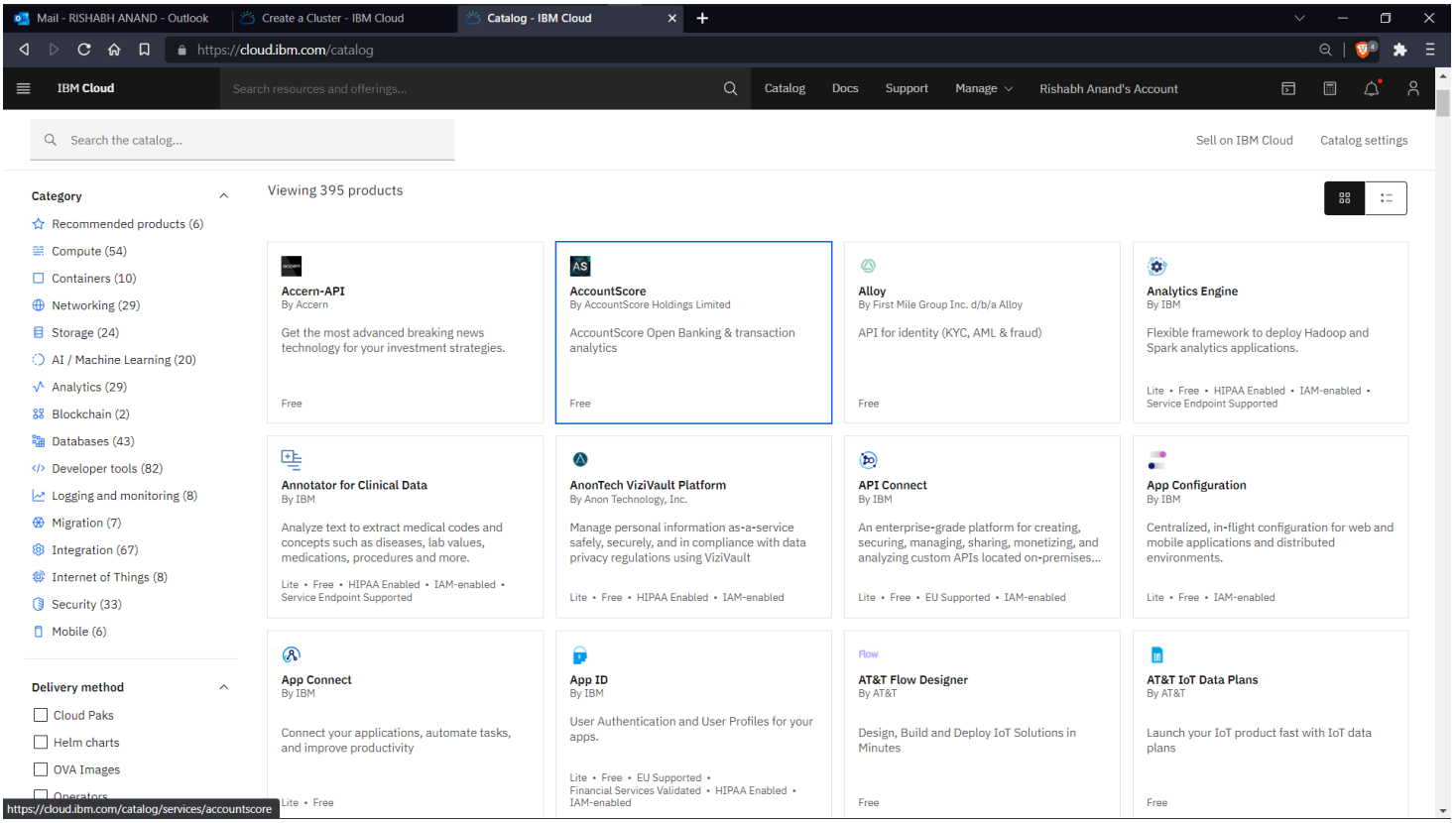


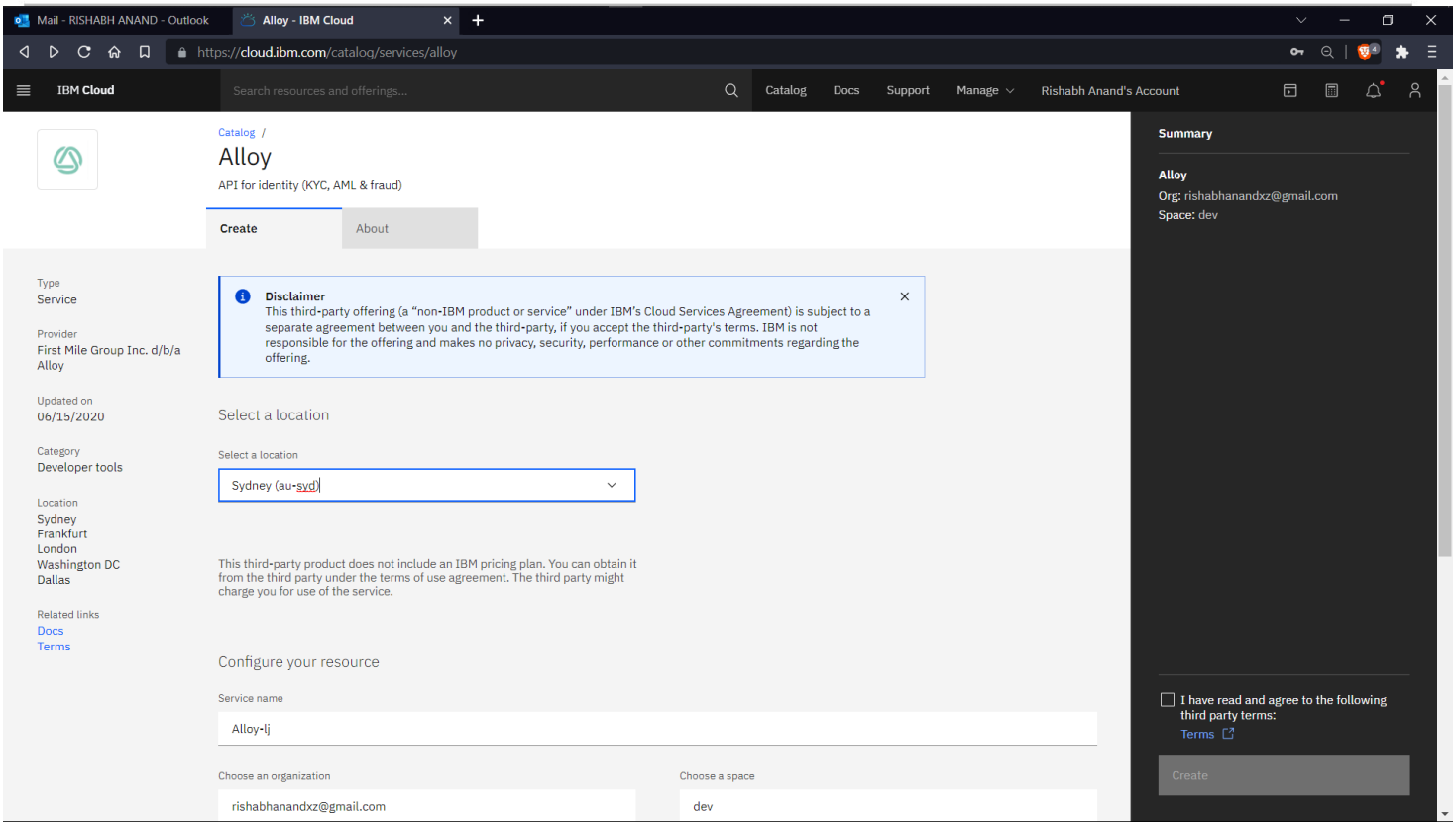

Mail - RISHABH ANAND - Outlook
Create a Cluster - IBM Cloud
https://cloud.ibm.com/kubernetes/catalog/create
IBM Cloud
Search resources and offerings...
Catalog
Docs
Support
Manage
Rishabh Anand's Account
Location
Choose your location and configure your VLANs. Learn more about this.
Geography
Asia Pacific
Availability
Single zone
Worker zone
Chennai 01
Worker pool
Set up a worker pool with the flavor and number of worker nodes that you want to run your first workload. At any time later, you can add more worker pools with different flavors, or resize your worker pools to fit the resource needs of your workloads.
Virtual - shared, Ubuntu 18
4
vCPUs
16 GB
Memory
$0.29/hr
Cost
Change flavor
Worker nodes per zone
3
x 1 zone
= 3 workers total
Integrations
Get more from your cluster by connecting integrations.
3/3 Configured
Activity tracking
View and track changes across your applications and infrastructure.
Learn more
Instance
Create a new instance
Summary
United States
Kubernetes cluster
3 Worker nodes $0.88/hr
b3c.4x16 - 4 vCPUs 16GB RAM
Integrations
1 Activity tracking $1.50/GB-mo
activitytracker-tokyo-rg - 7 day Event Search
1 Logging $1.50/GB-mo
logs-tokyo-sI - 7 day Log Search
1 Monitoring $0.05/GB-mo
metrics-tokyo-Gv - Graduated Tier
Total estimated cost
$635.04/mo
Additional charges for networking and bandwidth might apply.
Actual monthly total will vary with tiered pricing.
Estimate does not include costs for integrations.
Upgrade to create
Add to estimate

- Go to Account-> Account Settings-> you can see your account id, name and account type.



- Go to Catalog-> add one service.




Mail - RISHABH ANAND - Outlook
Alloy - IBM Cloud
https://cloud.ibm.com/catalog/services/alloy
IBM Cloud
Search resources and offerings...
Catalog
Docs
Support
Manage
Rishabh Anand's Account
Catalog /
Alloy
API for identity (KYC, AML & fraud)
Create
About
Type
Service
Provider
First Mile Group Inc. d/b/a Alloy
Updated on
06/15/2020
Category
Developer tools
Location
Sydney
Frankfurt
London
Washington DC
Dallas
Related links
Docs
Terms
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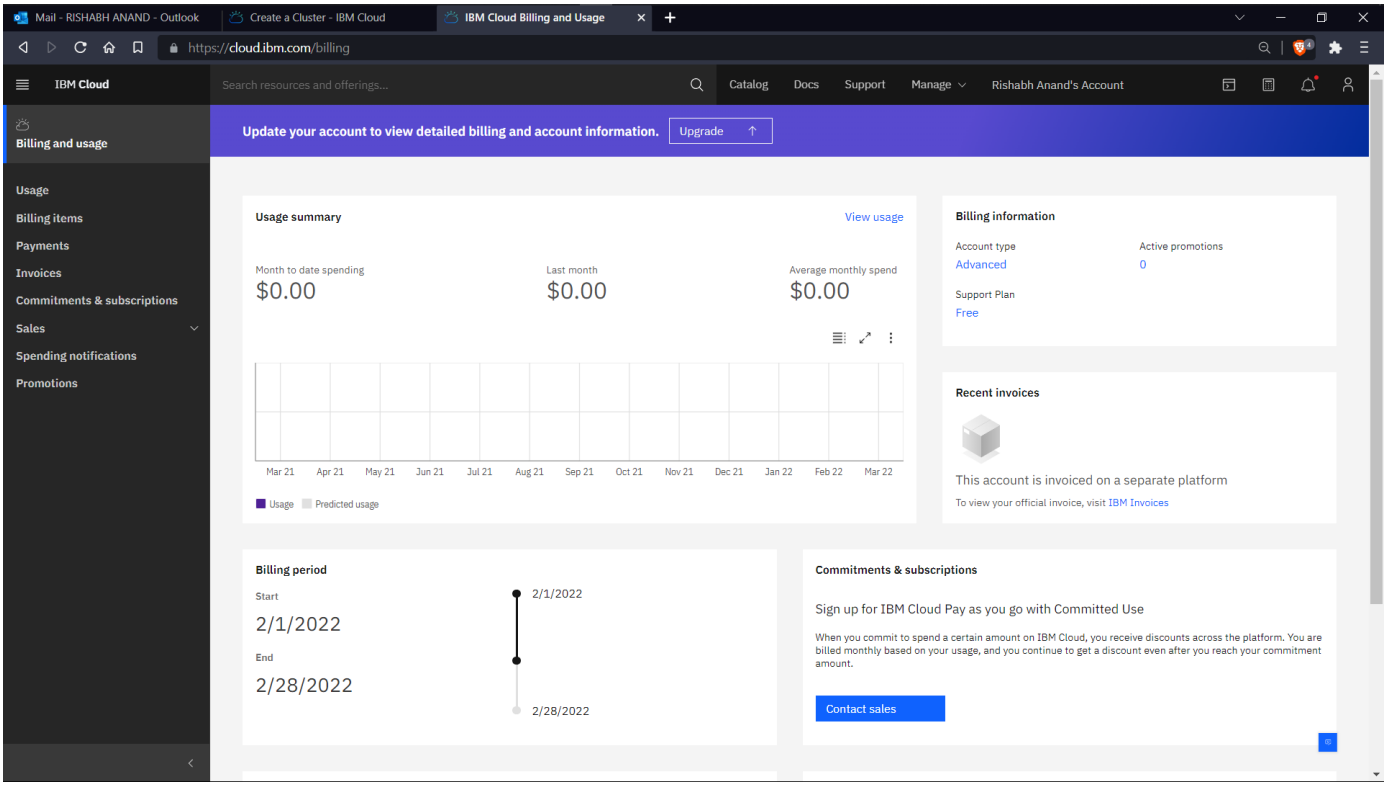
This third-party product does not include an IBM pricing plan. You can obtain it from the third party under the terms of use agreement. The third party might charge you for use of the service.
Configure your resource
Service name
Alloy-lj
Choose an organization
rishabhanandxz@gmail.com
Choose a space
dev
Summary
Alloy
Org: rishabhanandxz@gmail.com
Space: dev
I have read and agree to the following third party terms:
Terms
Create

- Billing and usage



Learning outcomes (What I have learnt):

1.We learnt how to create IBM Cloud account and explored it.

2. We learnt how to work on IBM cloud and create cluster.

3. How to add services from catalog and how to do billing.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			