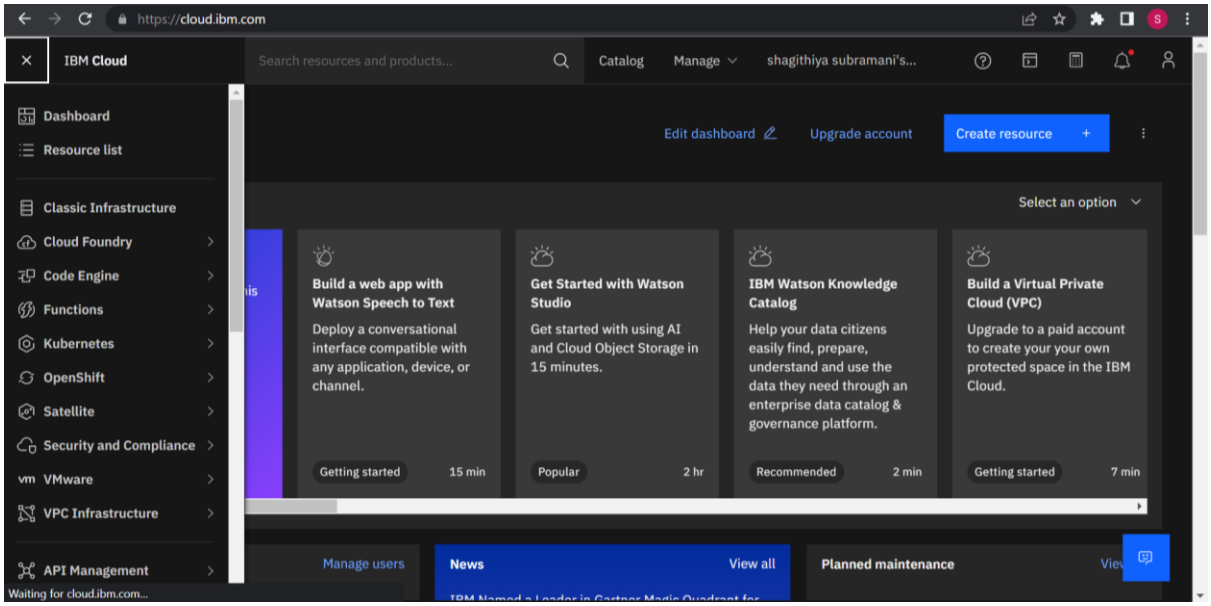
DEPLOYMENT OF APP IN IBM CLOUD
DEPLOY IN KUBERNETES CLUSTERS

Date	15 November 2022
Team ID	PNT2022TMID35589
Project Name	Containment zone alerting application

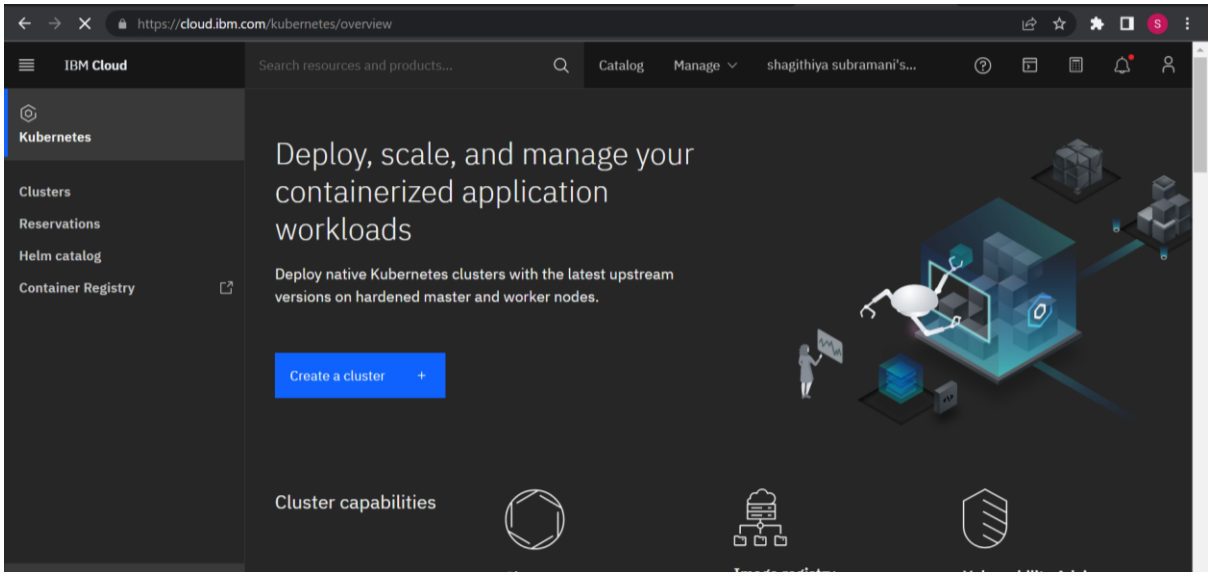
CREATE A KUBERNETES CLUSTERS

Procedure:

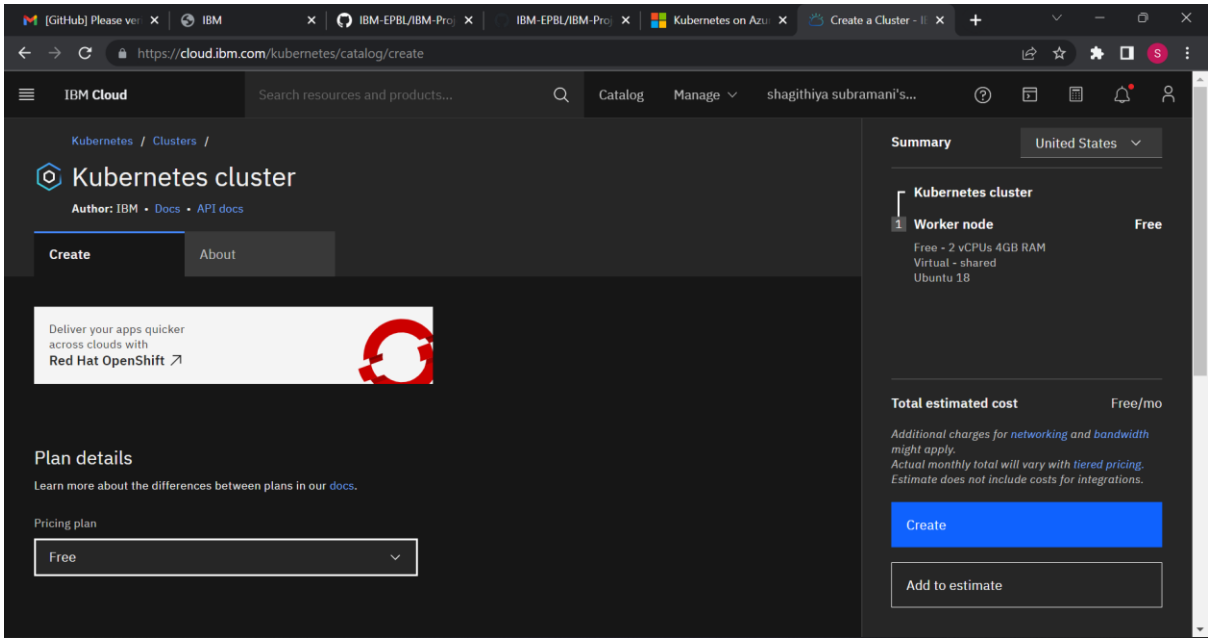
- Sign in to your IBM Cloud Dashboard.
- Open IBM Kubernetes Service.



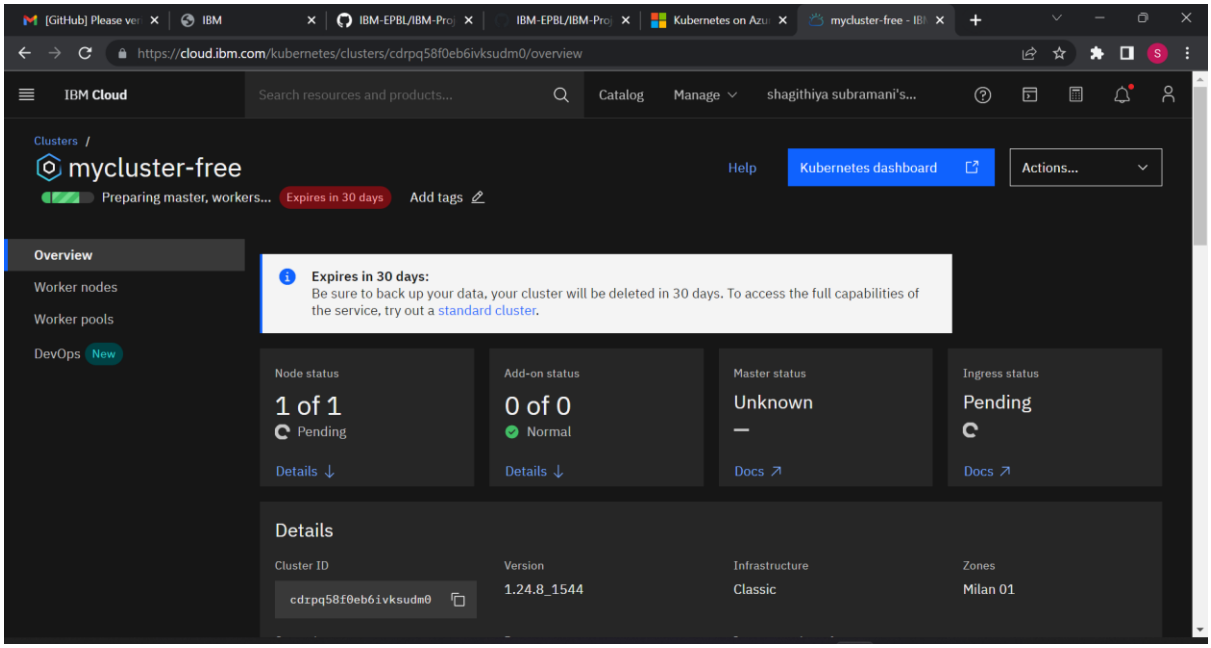
- Select on kubernetes and click on create cluster



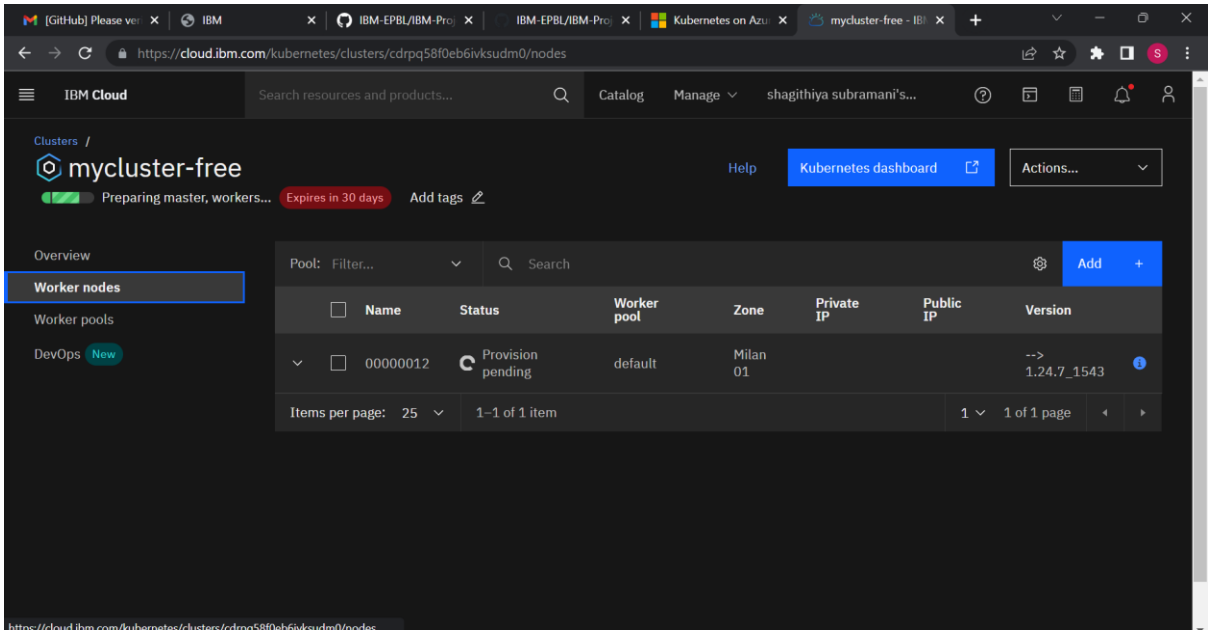
- Select the Region where you want to deploy the cluster, name your cluster, click Create Cluster.
- Select the appropriate cluster type depending on your account

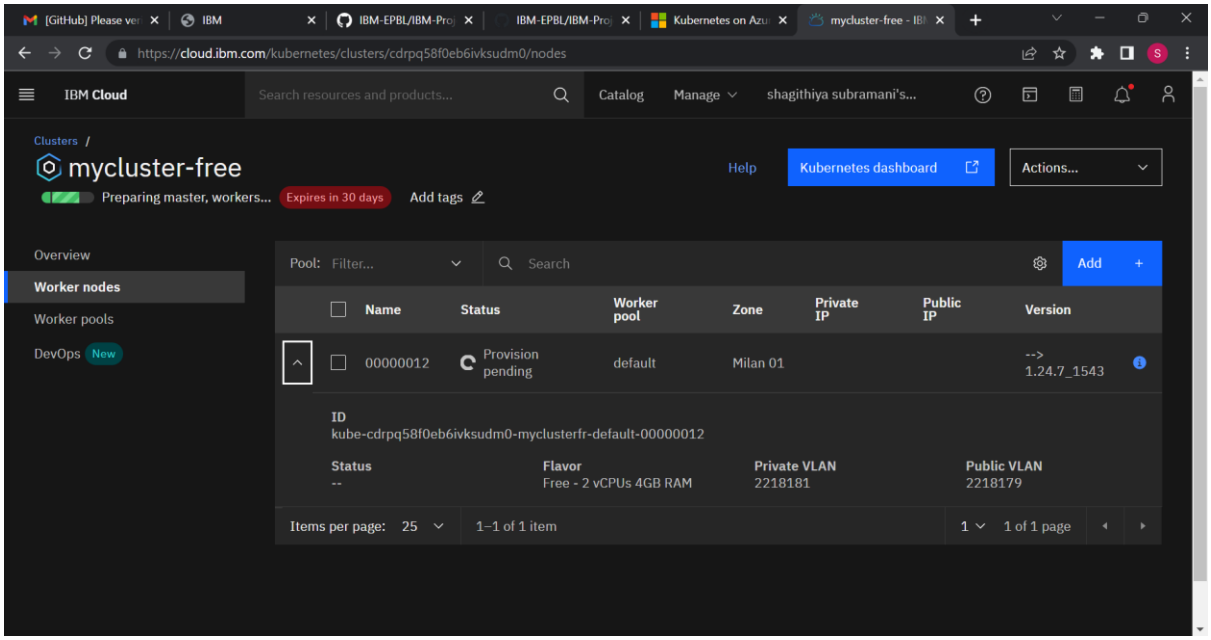


- Once the cluster is ready, click on your cluster's name and you will be redirected to a new page with information about your cluster and worker node.



- Click on the Worker Nodestab to note the cluster's Public IP





- Thus the Kubernetes cluster is created

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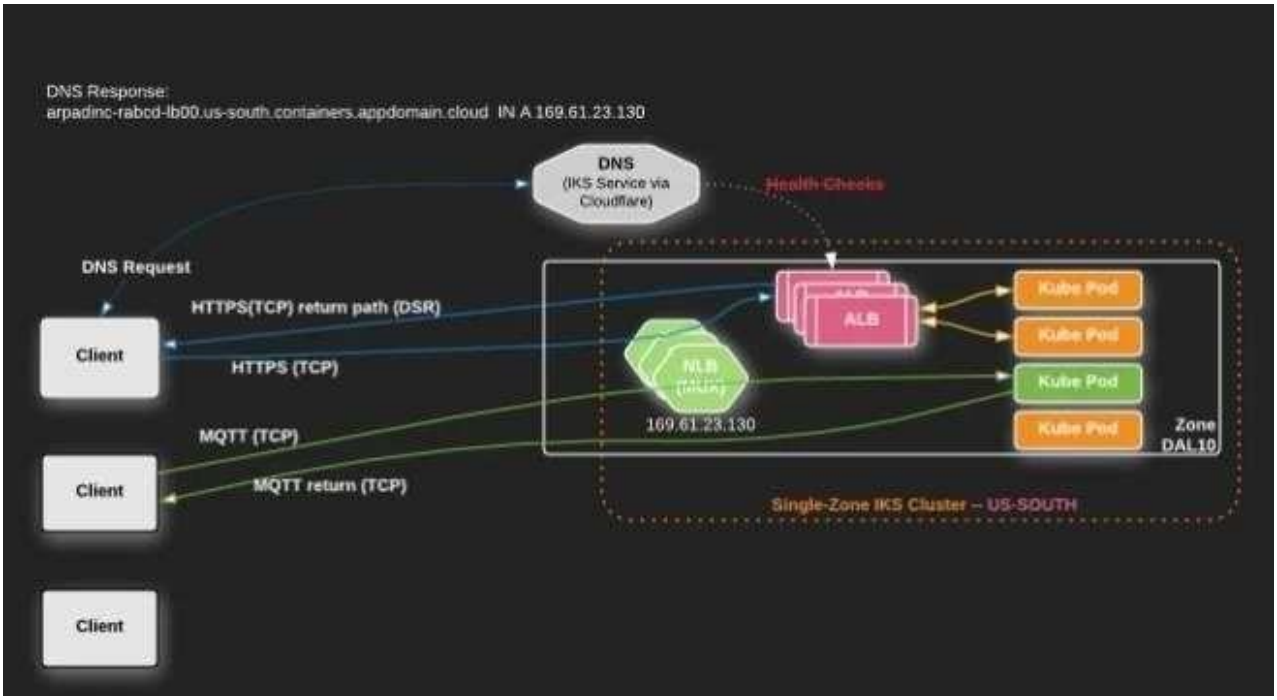


```
Hostname: echoserver-deployment-859b75d8c4-w75jn

Pod Information:
        node name:      10.94.21.13
        pod name:       echoserver-deployment-859b75d8c4-w75jn
        pod namespace:  default
        pod IP: 172.30.45.7

Server values:
        server_version=nginx: 1.13.3 - lua: 10008

Request Information:
        client_address=172.30.45.5
        method=GET
        real path=/
        query=
        request_version=1.1
        request_scheme=http
        request_uri=http://echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud:8080/

Request Headers:
        accept=*/*
        host=echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud
        user-agent=curl/7.54.0
        x-forwarded-for=195.21[redacted]
        x-forwarded-host=echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud
        x-forwarded-port=443
        x-forwarded-proto=https
        x-global-k8fdic-transaction-id=fc9b6d1faac1b7b63bf96abf02396378
        x-real-ip=195.21[redacted]

Request Body:
        -no body in request-
```

```
$ curl http://169.61.18.4:1884


Hostname: echoserver-deployment-859b75d8c4-r6s62

Pod Information:
        node name:      10.73.115.27
        pod name:       echoserver-deployment-859b75d8c4-r6s62
        pod namespace:  default
        pod IP: 172.30.154.209

Server values:
        server_version=nginx: 1.13.3 - lua: 10008

Request Information:
        client_address=195.21[redacted]
        method=GET
        real path=/
        query=
        request_version=1.1
        request_scheme=http
        request_uri=http://169.61.18.4:8080/

Request Headers:
        accept=*/*
        host=169.61.18.4:1884
        user-agent=curl/7.54.0

Request Body:
        -no body in request-
```

```
$ curl https://echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud


Hostname: echoserver-deployment-859b75d8c4-d6fdx

Pod Information:
        node name:      10.73.115.19
        pod name:       echoserver-deployment-859b75d8c4-d6fdx
        pod namespace:  default
        pod IP: 172.30.116.132

Server values:
        server_version=nginx: 1.13.3 - lua: 10008

Request Information:
        client_address=172.30.119.129
        method=GET
        real path=/
        query=
        request_version=1.1
        request_scheme=http
        request_uri=http://echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud:8080/

Request Headers:
        accept=*/*
        host=echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud
        user-agent=curl/7.54.0
        x-forwarded-for=10.184.100.58
        x-forwarded-host=echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud
        x-forwarded-port=443
        x-forwarded-proto=https
        x-global-k8fdic-transaction-id=838e8708691877ea4ac7448370362e22
        x-real-ip=10.184.100.58

Request Body:
        -no body in request-
```