

SPRINT 4

TEAM ID: PNT2022TMID29827

PLASMA DONOR APPLICATION

OUTPUT

Kubernetes implemtation

The image shows a Windows PowerShell terminal window and a web browser displaying the IBM Cloud Kubernetes cluster creation process.

PowerShell Terminal Output:

```
PS C:\Users\Tharani N P\OneDrive\Desktop\PlasmaDonorApplication\PlasmaDonorApplication>
PS C:\Users\Tharani N P\OneDrive\Desktop\PlasmaDonorApplication\PlasmaDonorApplication> docker rename eager_grothendieck eager-grothendieck
PS C:\Users\Tharani N P\OneDrive\Desktop\PlasmaDonorApplication\PlasmaDonorApplication> ibmcloud plugin install container-service
Looking up 'container-service' from repository 'IBM Cloud'...
Plug-in 'container-service[kubernetes-service/ks] 1.0.459' found in repository 'IBM Cloud'
Attempting to download the binary file...
26.86 MiB / 26.86 MiB [=====] 100.00% 16s
28168192 bytes downloaded
Installing binary...
OK
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\Tharani N P\.bluemix\plugins\container-service. Use 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe plugin show container-service' to show its details.
PS C:\Users\Tharani N P\OneDrive\Desktop\PlasmaDonorApplication\PlasmaDonorApplication> ibmcloud ks cluster config --cluster cdrt3ilf0bb1n12h131g
OK
The configuration for cdrt3ilf0bb1n12h131g was downloaded successfully.

Added context for cdrt3ilf0bb1n12h131g to the current kubeconfig file.
You can now execute 'kubectl' commands against your cluster. For example, run 'kubectl get nodes'.
If you are accessing the cluster for the first time, 'kubectl' commands might fail for a few seconds while RBAC synchronizes.
PS C:\Users\Tharani N P\OneDrive\Desktop\PlasmaDonorApplication\PlasmaDonorApplication> kubectl get nodes
NAME                                STATUS    ROLES    AGE   VERSION
10.144.217.129 Ready    <none>   23h   v1.24.7+IKS
PS C:\Users\Tharani N P\OneDrive\Desktop\PlasmaDonorApplication\PlasmaDonorApplication> kubectl apply -f kubernetes/flask_deployment.yaml
deployment.apps/flask-app created
PS C:\Users\Tharani N P\OneDrive\Desktop\PlasmaDonorApplication\PlasmaDonorApplication> |
```

Web Browser (IBM Cloud) Output:

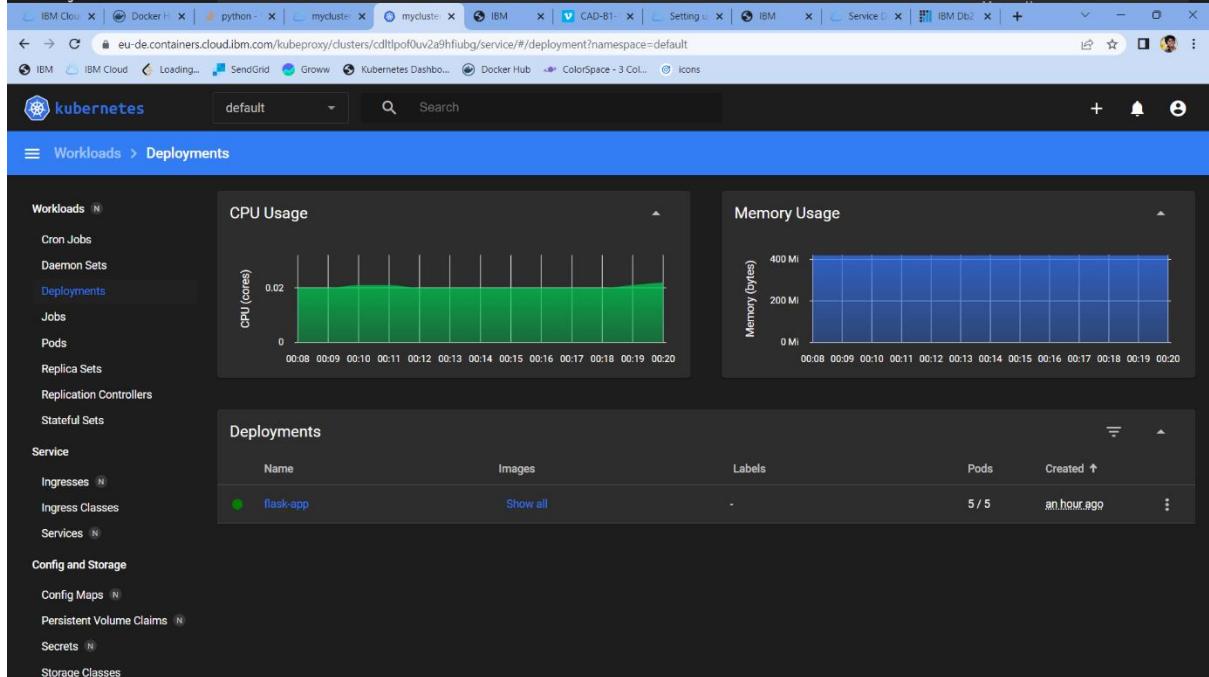
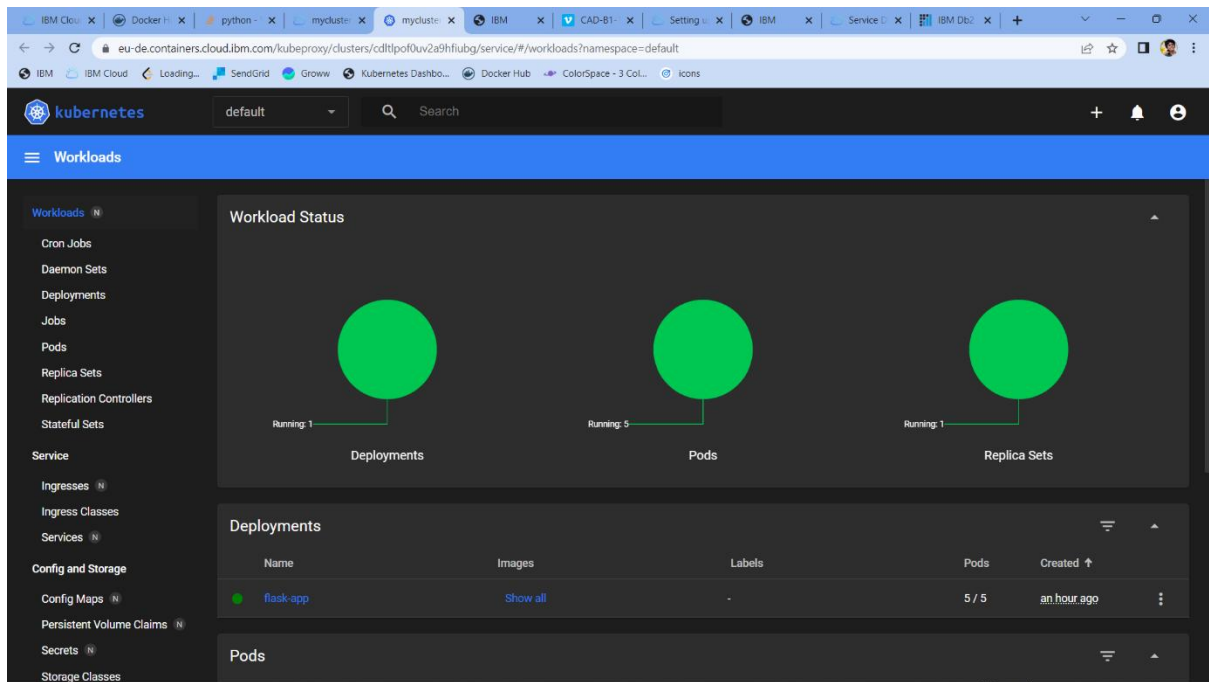
The browser shows the IBM Cloud Kubernetes cluster creation page. The cluster is named **cdrt3ilf0bb1n12h131g**. The plan is **Standard**. The infrastructure is **VPC**. The cluster is located in **United States**. The summary shows the following details:

Component	Price
Worker nodes	\$2.65/hr
Multizone load balancer	\$0.02/hr

Total estimated cost: \$1,919.52/mo

Additional charges for networking and bandwidth might apply. Actual monthly total will vary with tiered pricing. Estimate does not include costs for integrations.

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IBM Cloud

Docker Hub

python

mycluster

mycluster

IBM

CAD-B1

Setting

IBM

Service

IBM Db2

eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdltpof0uv2a9hfiubg/service/#/pod?namespace=default

IBMIBM CloudLoading...SendGridGrowwKubernetes Dashbo...Docker HubColorSpace - 3 Col...icons

kubernetes

default

Search

+🔔👤

Workloads > Pods

Workloads

Cron Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses

Ingress Classes

Services

Config and Storage

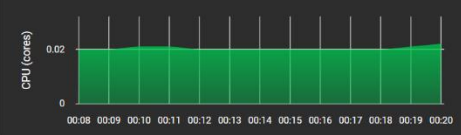
Config Maps

Persistent Volume Claims


Secrets

Storage Classes

CPU Usage



Memory Usage



Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
flask-app-856977c65d-59hzt	Show all	Show all	10.144.214.101	Running	0	4.00m	83.08Mi	an hour ago
flask-app-856977c65d-9ftc5	Show all	Show all	10.144.214.101	Running	0	5.00m	82.93Mi	an hour ago
flask-app-856977c65d-gwkq6	Show all	Show all	10.144.214.101	Running	0	5.00m	86.67Mi	an hour ago
flask-app-856977c65d-lrzm2	Show all	Show all	10.144.214.101	Running	0	4.00m	83.84Mi	an hour ago
flask-app-856977c65d-x1769	Show all	Show all	10.144.214.101	Running	0	4.00m	83.85Mi	an hour ago

kubernetes

default

Search

+🔔👤

Service > Services

Workloads

Cron Jobs

Daemon Sets

Deployments

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Pods

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses

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Services

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Services

Name	Labels	Type	Cluster IP	Internal Endpoints	External Endpoints	Created
kubernetes	Show all	ClusterIP	172.21.0.1	kubernetes:443 TCP kubernetes:0 TCP	-	10 days ago

Instead of sendgrid we use fast 2 sms

The screenshot displays the Fast2SMS dashboard in a web browser. The browser's address bar shows the URL `fast2sms.com/dashboard/sms/bulk`. The dashboard has a dark sidebar on the left with a balance of ₹154.00 and an 'ADD CREDIT' button. The sidebar menu includes options like Bulk SMS, DLT SMS, Quick SMS, Address Book, Delivery Reports, Transactions, Dev API, Settings, and Help. The main content area features a 'PROMOTIONAL' tab and a form for sending SMS. The form includes fields for Sender ID (FastSM), Mobile Number (+91), and Message (Dearuseryourotp:). It also has buttons for CONTACT, LIST, EXCEL, and ENGLISH. At the bottom of the form are 'SEND' and 'SCHEDULE' buttons. To the right of the form is a 'FEATURES' section titled 'For Marketing & Promotional SMS' with a list of benefits: No DLT Registration Required, Only for Non DND numbers, SMS Delivery After Approval, Send SMS from 10 AM - 9 PM, and Personal SMS not allowed.

Account Info 12:26:48 AM Rishiragul...

FAST2SMS

₹154.00
ADD CREDIT

Bulk SMS

DLT SMS

Quick SMS

Address Book

Delivery Reports

Transactions

Dev API

Settings

Help

PROMOTIONAL SERVICE

Sender ID
FastSM

Mobile Number
+91

Message (maximum 60 characters)
Dearuseryourotp:

CONTACT LIST EXCEL ENGLISH

- Sent via ftwsms 35 / 1 SMS

SEND OR SCHEDULE

FEATURES

For Marketing & Promotional SMS

- No DLT Registration Required
- Only for Non DND numbers
- SMS Delivery After Approval
- Send SMS from 10 AM - 9 PM
- Personal SMS not allowed

10:36

VoLTE 6.31 KB/s 4G 44%

← VM-FTWSMS



yourotp:

Argent.....There is a demand for your blood group. We request you to donate your blood in



- Sent via FTWSMS

yourotp:

Argent.....There is a demand for your blood group. We request you to donate your blood in



- Sent via FTWSMS

yourotp:

Argent.....There is a demand for your blood group. We request you to donate your blood in



- Sent via FTWSMS

47 min • SIM 2

Can't reply to this short code

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