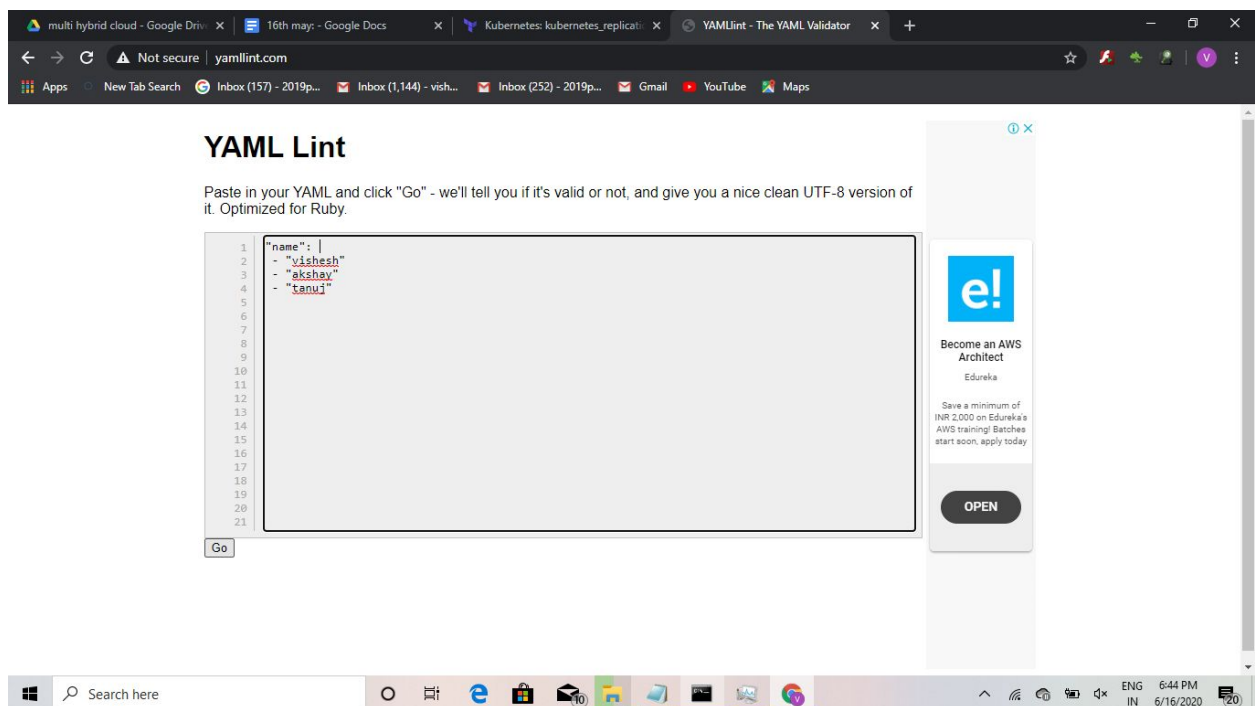
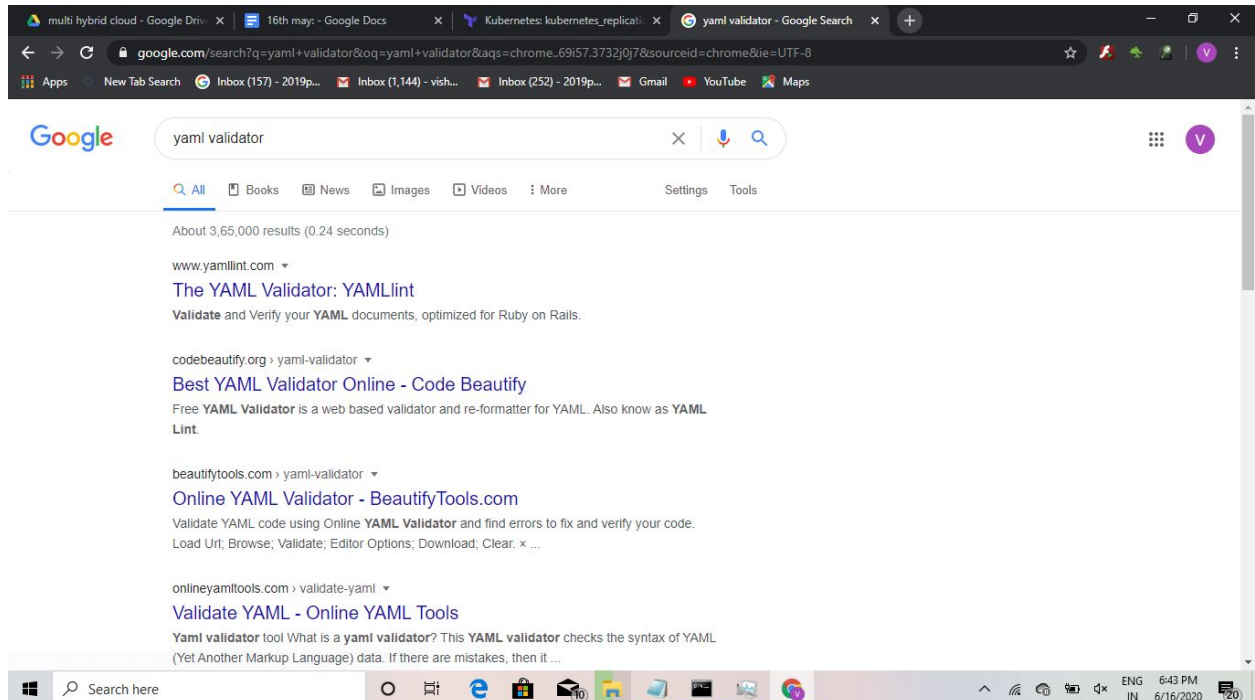


16th may:

.yaml :- extension for yaml file eg. xyz.yaml

Standard space is 4



The screenshot shows a web browser window with the URL `yamllint.com`. The page title is "YAML Lint". Below the title, it says: "Paste in your YAML and click 'Go' - we'll tell you if it's valid or not, and give you a nice clean UTF-8 version of it. Optimized for Ruby." There is a text area containing the following YAML code:

```
1 ---
2 name:
3   - vishesh
4   - akshay
5   - tanuj
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
```

Below the text area is a "Go" button. A green banner at the bottom of the text area says "Valid YAMLI". On the right side of the page, there is an advertisement for "AWS Architect Certification" by Edureka, with a button labeled "OPEN". The Windows taskbar at the bottom shows the search bar and several application icons.

> we have to start the yaml with 3 hyphen and end with 1 hyphen

The screenshot shows a Notepad window titled "Untitled - Notepad". The text inside the window is:

```
-- --
"name": "vishesh"
"number": "9784*****"
"name": //to make it as a list
- "vishesh"
- "akshay"
- "tanuj"
-
```

C:\Users\user\Desktop\kube_code>kubectl get pods

No resources found in default namespace.

C:\Users\user\Desktop\kube_code>kubectl create deployment myweb

--image=vimal13/apache-webserver-php

deployment.apps/myweb created

C:\Users\user\Desktop\kube_code>kubectl get pods

NAME	READY	STATUS	RESTARTS	AGE
myweb-6bffb6b45c-ldfn7	1/1	Running	0	13s

C:\Users\user\Desktop\kube_code>kubectl delete pods myweb-6bffb6b45c-ldfn7
pod "myweb-6bffb6b45c-ldfn7" deleted

C:\Users\user\Desktop\kube_code>kubectl get pods

NAME	READY	STATUS	RESTARTS	AGE
myweb-6bffb6b45c-w7fv9	1/1	Running	0	10s

C:\Users\user\Desktop\kube_code>kubectl delete all --all

pod "myweb-6bffb6b45c-w7fv9" deleted
service "kubernetes" deleted
deployment.apps "myweb" deleted
replicaset.apps "myweb-6bffb6b45c" deleted

C:\Users\user\Desktop\kube_code>kubectl run myweb1

--image=vimal13/apache-webserver-php

pod/myweb1 created

C:\Users\user\Desktop\kube_code>kubectl get pods --show-labels

NAME	READY	STATUS	RESTARTS	AGE	LABELS
myweb1	1/1	Running	0	63s	run=myweb1

C:\Users\user\Desktop\kube_code>kubectl label pods myweb1 dc=IN

pod/myweb1 labeled

C:\Users\user\Desktop\kube_code>kubectl get pods --show-labels

NAME	READY	STATUS	RESTARTS	AGE	LABELS
myweb1	1/1	Running	0	117s	dc=IN,run=myweb1

C:\Users\user\Desktop\kube_code>kubectl label pods myweb1 env=prod

pod/myweb1 labeled

C:\Users\user\Desktop\kube_code>kubectl get pods --show-labels

NAME	READY	STATUS	RESTARTS	AGE	LABELS
myweb1	1/1	Running	0	2m26s	dc=IN,env=prod,run=myweb1

C:\Users\user\Desktop\kube_code>kubectl run myweb2

--image=vimal13/apache-webserver-php dc=US

pod/myweb2 created

C:\Users\user\Desktop\kube_code>kubectl get pods --show-labels

NAME	READY	STATUS	RESTARTS	AGE	LABELS
myweb1	1/1	Running	0	2m54s	dc=IN,env=prod,run=myweb1
myweb2	0/1	RunContainerError	0	9s	run=myweb2

C:\Users\user\Desktop\kube_code>kubectl label pods myweb2 dc=US
pod/myweb2 labeled

C:\Users\user\Desktop\kube_code>kubectl get pods --show-labels

NAME	READY	STATUS	RESTARTS	AGE	LABELS
myweb1	1/1	Running	0	3m21s	dc=IN,env=prod,run=myweb1
myweb2	0/1	CrashLoopBackOff	2	36s	dc=US,run=myweb2

C:\Users\user\Desktop\kube_code>kubectl delete pods myweb2
pod "myweb2" deleted

C:\Users\user\Desktop\kube_code>kubectl run myweb2
--image=vimal13/apache-webserver-php
pod/myweb2 created

C:\Users\user\Desktop\kube_code>kubectl label pods myweb2 dc=US
pod/myweb2 labeled

C:\Users\user\Desktop\kube_code>kubectl run myweb3
--image=vimal13/apache-webserver-php
pod/myweb3 created

C:\Users\user\Desktop\kube_code>kubectl label pods myweb3 env=testing
dc=US
pod/myweb3 labeled

C:\Users\user\Desktop\kube_code>kubectl get pods --show-labels

NAME	READY	STATUS	RESTARTS	AGE	LABELS
myweb1	1/1	Running	0	4m55s	dc=IN,env=prod,run=myweb1
myweb2	1/1	Running	0	49s	dc=US,run=myweb2
myweb3	1/1	Running	0	37s	dc=US,env=testing,run=myweb3

--selector

C:\Users\user\Desktop\kube_code>kubectl get pods --selector dc=US

NAME	READY	STATUS	RESTARTS	AGE
myweb2	1/1	Running	0	2m22s
myweb3	1/1	Running	0	2m10s

C:\Users\user\Desktop\kube_code>kubectl get pods --selector dc=US env=prod
error: name cannot be provided when a selector is specified

C:\Users\user\Desktop\kube_code>kubectl get pods --selector env=prod

NAME	READY	STATUS	RESTARTS	AGE
myweb1	1/1	Running	0	6m42s

C:\Users\user\Desktop\kube_code>kubectl get pods -l env=prod

NAME	READY	STATUS	RESTARTS	AGE
myweb1	1/1	Running	0	7m57s

C:\Users\user\Desktop\kube_code>kubectl get pods -l "labels in ("production","US")"

No resources found in default namespace.

C:\Users\user\Desktop\kube_code>kubectl get pods --selector env=prod,dc=US
No resources found in default namespace.

C:\Users\user\Desktop\kube_code>kubectl get pods --selector env=prod,dc=US --show-labels

No resources found in default namespace.

C:\Users\user\Desktop\kube_code>kubectl get pods --selector env=prod,dc=IN --show-labels

NAME	READY	STATUS	RESTARTS	AGE	LABELS
myweb1	1/1	Running	0	9m12s	dc=IN,env=prod,run=myweb1

C:\Users\user\Desktop\kube_code>kubectl get pods -l "labels in ("production","IN")"

No resources found in default namespace.

C:\Users\user\Desktop\kube_code>kubectl get pods -l dc=US,dc=IN

No resources found in default namespace.

C:\Users\user\Desktop\kube_code>kubectl get pods -l "dc in ("US","IN")"

NAME	READY	STATUS	RESTARTS	AGE
myweb1	1/1	Running	0	11m
myweb2	1/1	Running	0	6m56s
myweb3	1/1	Running	0	6m44s

C:\Users\user\Desktop\kube_code>kubectl get pods -l "env in ("prod","IN")"

NAME	READY	STATUS	RESTARTS	AGE
myweb1	1/1	Running	0	11m

C:\Users\user\Desktop\kube_code>kubectl get pods -l "env notin ("prod","US")"

NAME	READY	STATUS	RESTARTS	AGE
myweb2	1/1	Running	0	7m55s
myweb3	1/1	Running	0	7m43s

C:\Users\user\Desktop\kube_code>kubectl get pods -l "env in ("prod","IN"),env=prod"

NAME	READY	STATUS	RESTARTS	AGE
myweb1	1/1	Running	0	12m

C:\Users\user\Desktop\kube_code>kubectl get pods -l "dc in ("US","IN"),env=prod"

NAME	READY	STATUS	RESTARTS	AGE
myweb1	1/1	Running	0	13m

C:\Users\user\Desktop\kube_code>kubectl delete pods --selector env=prod
pod "myweb1" deleted

C:\Users\user\Desktop\kube_code>kubectl get pods --show-labels

NAME	READY	STATUS	RESTARTS	AGE	LABELS
myweb2	1/1	Running	0	10m	dc=US,run=myweb2
myweb3	1/1	Running	0	10m	dc=US,env=testing,run=myweb3

C:\Users\user\Desktop\kube_code>kubectl delete pods myweb2
pod "myweb2" deleted

C:\Users\user\Desktop\kube_code>kubectl get pods

NAME	READY	STATUS	RESTARTS	AGE
myweb3	1/1	Running	0	12m

REPLICATION CONTROLLER:

The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile 'visheshgargavi' from 'Mumbai'. The main content area shows the 'Instances' page for the 'ap-south-1' region. A table lists one instance: 'i-0c0acab1eef85196f' of type 't2.micro' in 'ap-south-1a' availability zone, with a state of 'running'. Below the table, the instance details for 'i-0c0acab1eef85196f' are shown, including its Public DNS: 'ec2-13-127-148-179.ap-south-1.compute.amazonaws.com'. The 'Add/Edit Tags' dialog is open, showing a form to add tags. The dialog contains the following text: 'Apply tags to your resources to help organize and identify them. A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. Learn more about tagging your Amazon EC2 resources.' The form has three rows: 'NAME' with value 'os1', 'App' with value 'web', and 'Env' with value 'dev'. Each row has a 'Show Column' link. At the bottom of the dialog are 'Create Tag', 'Cancel', and 'Save' buttons.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
	i-0c0acab1eef85196f	t2.micro	ap-south-1a	running	Initializing	None	ec2-13-127-148-179.ap-south-1.compute.amazonaws.com

Instance: i-0c0acab1eef85196f Public DNS: ec2-13-127-148-179.ap-south-1.compute.amazonaws.com

Add/Edit Tags

Apply tags to your resources to help organize and identify them.

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. [Learn more](#) about tagging your Amazon EC2 resources.

Key	Value	
NAME	os1	Show Column
App	web	
Env	dev	

Create Tag Cancel Save

multi hybrid cloud - Google Drive | 16th may - Google Docs | Kubernetes: kubernetes_replica... | Instances | EC2 Management Co... | +

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:sort=desc:statusChecks

Services | Resource Groups | visheshgargavi | Mumbai | Support

New EC2 Experience
Tell us what you think

EC2 Dashboard **New**
Events **New**
Tags
Reports
Limits

INSTANCES
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts **New**
Capacity Reservations

IMAGES
AMIs

Launch Instance | Connect | Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
	i-0c0acab1eef85196f	t2.micro	ap-south-1a	running	Initializing	None	ec2-13-127-148-179...

Instance: i-0c0acab1eef85196f Public DNS: ec2-13-127-148-179.ap-south-1.compute.amazonaws.com

Description | Status Checks | Monitoring | **Tags**

Add/Edit Tags

Key	Value	
App	web	Show Column
Env	dev	Show Column
NAME	os1	Show Column

Feedback | English (US) | © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy | Terms of Use

Search here

multi hybrid cloud - Google Drive | 16th may - Google Docs | Kubernetes: kubernetes_replica... | Instances | EC2 Management Co... | +

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:sort=desc:tag:Name

Services | Resource Groups | visheshgargavi | Mumbai | Support

New EC2 Experience
Tell us what you think

EC2 Dashboard **New**
Events **New**
Tags
Reports
Limits

INSTANCES
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts **New**
Capacity Reservations

IMAGES
AMIs

Launch Instance | Connect | Actions

Filter by tags and attributes or search by keyword

Show/Hide Columns

Your Tag Keys

- ☒ Name
- ☐ App
- ☐ Env
- ☐ NAME

Instance Attributes

- ☒ Instance ID
- ☒ Instance Type
- ☒ Availability Zone
- ☒ Instance State
- ☒ Status Checks
- ☒ Alarm Status
- ☒ Public DNS (IPv4)
- ☒ IPv4 Public IP
- ☒ IPv6 IPs
- ☒ Key Name
- ☒ Monitoring
- ☒ Launch Time
- ☒ Security Groups
- ☐ VPC ID

Close

Feedback | English (US) | © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy | Terms of Use

Search here

multi hybrid cloud - Google Drive x 16th may - Google Docs x Kubernetes: kubernetes_replicat... x Instances | EC2 Management Co... x +

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:sort=desc:tag:Name

aws Services Resource Groups visheshgargavi Mumbai Support

New EC2 Experience Tell us what you think

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

NAME	Name	App	Env	Instance ID	Instance Type	Availability Zone	Instance State	Status
os1		web	dev	i-0c0acab1ee85196f	t2.micro	ap-south-1a	running	2%

Description Status Checks Monitoring Tags

Instance ID i-0c0acab1ee85196f Public DNS (IPv4) ec2-13-127-148-179.ap-south-1.compute.amazonaws.com

Instance state running IPv4 Public IP 13.127.148.179

Instance type t2.micro IPv6 IPs -

Finding Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#) Elastic IPs

Private DNS ip-172-31-44-95.ap-south-1.compute.internal Availability zone ap-south-1a

Feedback English (US) © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Search here

multi hybrid cloud - Google Drive x 16th may - Google Docs x Kubernetes: kubernetes_replicat... x Instances | EC2 Management Co... x +

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:sort=desc:tag:Name

aws Services Resource Groups visheshgargavi Mumbai Support

New EC2 Experience Tell us what you think

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

NAME	Name	App	Env	Instance ID	Instance Type	Availability Zone	Instance State	Status
os1		web	dev	i-0c0acab1ee85196f	t2.micro	ap-south-1a	running	2%

Description Status Checks Monitoring Tags

Instance ID i-0c0acab1ee85196f Public DNS (IPv4) ec2-13-127-148-179.ap-south-1.compute.amazonaws.com

Instance state running IPv4 Public IP 13.127.148.179

Instance type t2.micro IPv6 IPs -

Finding Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#) Elastic IPs

Private DNS ip-172-31-44-95.ap-south-1.compute.internal Availability zone ap-south-1a

Feedback English (US) © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Search here

Show/Hide Columns

Your Tag Keys

- ☒ Name
- ☒ App
- ☒ Env
- ☒ NAME

Instance Attributes

- ☒ Instance ID
- ☒ Instance Type
- ☒ Availability Zone
- ☒ Instance State
- ☒ Status Checks
- ☒ Alarm Status
- ☒ Public DNS (IPv4)
- ☒ IPv4 Public IP
- ☒ IPv6 IPs
- ☒ Key Name
- ☒ Monitoring
- ☒ Launch Time
- ☒ Security Groups
- ☐ VPC ID

Close

```
pod1 - Notepad
File Edit Format View Help
apiVersion: v1
kind: Pod

metadata:
  name: mypod1
  labels:
    env: IN
    dc: dev

spec:
  containers:
  - name: "myconf1"
    image: "vimal13/apache-webserver-php"
```

```
C:\Users\user\Desktop\kube_cloud>kubectl create --validate=false -f pod1.yml
pod/mypod1 created
```

```
C:\Users\user\Desktop\kube_cloud>kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
mypod1	1/1	Running	0	7s

```
C:\Users\user\Desktop\kube_cloud>kubectl get pods --show-labels
```

NAME	READY	STATUS	RESTARTS	AGE	LABELS
mypod1	1/1	Running	0	2m59s	dc=dev,env=IN

```
C:\Users\user\Desktop\kube_cloud>kubectl describe pods
```

```
Name:      mypod1
Namespace: default
Priority:   0
Node:      minikube/192.168.99.100
Start Time: Tue, 16 Jun 2020 19:54:21 +0530
Labels:    dc=dev
           env=IN
Annotations: <none>
Status:     Running
IP:         172.17.0.6
IPs:
  IP: 172.17.0.6
```

Containers:

myconf1:

Container ID:

docker://6862e3c5d638c691ebc0750465682526080e76dbf13bd9d02400f717165d1b33

Image: vimal13/apache-webserver-php

Image ID:

docker-pullable://vimal13/apache-webserver-php@sha256:faed0a5afaf9f04b6915d73f7247f6f5a71db9274ca44118d38f4601c0080a91

Port: <none>

Host Port: <none>

State: Running

Started: Tue, 16 Jun 2020 19:54:26 +0530

Ready: True

Restart Count: 0

Environment: <none>

Mounts:

/var/run/secrets/kubernetes.io/serviceaccount from default-token-8llwm (ro)

Conditions:

Type Status

Initialized True

Ready True

ContainersReady True

PodScheduled True

Volumes:

default-token-8llwm:

Type: Secret (a volume populated by a Secret)

SecretName: default-token-8llwm

Optional: false

QoS Class: BestEffort

Node-Selectors: <none>

Tolerations: node.kubernetes.io/not-ready:NoExecute for 300s

node.kubernetes.io/unreachable:NoExecute for 300s

Events:

Type	Reason	Age	From	Message
------	--------	-----	------	---------

----	-----	----	----	-----
------	-------	------	------	-------

Normal Scheduled 3m21s default-scheduler Successfully assigned default/mypod1 to minikube

Normal Pulling 3m20s kubelet, minikube Pulling image "vimal13/apache-webserver-php"

Normal Pulled 3m16s kubelet, minikube Successfully pulled image
"vimal13/apache-webserver-php"

Normal Created 3m16s kubelet, minikube Created container myconf1

Normal Started 3m16s kubelet, minikube Started container myconf1

C:\Users\user\Desktop\kube_cloud>kubectl delete pods mypod1

pod "mypod1" deleted

C:\Users\user\Desktop\kube_cloud>kubectl get pods --show-labels

No resources found in default namespace.

C:\Users\user\Desktop\kube_cloud>kubectl create --validate=false -f pod1.yml

pod/mypod1 created

C:\Users\user\Desktop\kube_cloud>kubectl create -f rc1.yml

replicationcontroller/myweb-rc created

C:\Users\user\Desktop\kube_cloud>kubectl get pods

NAME	READY	STATUS	RESTARTS	AGE
mypod1	1/1	Running	0	5m31s
myweb-rc-btxtl	1/1	Running	0	8s

C:\Users\user\Desktop\kube_cloud>kubectl get rc

NAME	DESIRED	CURRENT	READY	AGE
myweb-rc	1	1	1	22s

C:\Users\user\Desktop\kube_cloud>kubectl get all

NAME	READY	STATUS	RESTARTS	AGE
pod/mypod1	1/1	Running	0	6m36s
pod/myweb-rc-btxtl	1/1	Running	0	73s

NAME	DESIRED	CURRENT	READY	AGE
replicationcontroller/myweb-rc	1	1	1	73s

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
service/kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	28m

C:\Users\user\Desktop\kube_cloud>kubectl delete pods myweb-rc-btxtl

pod "myweb-rc-btxtl" deleted

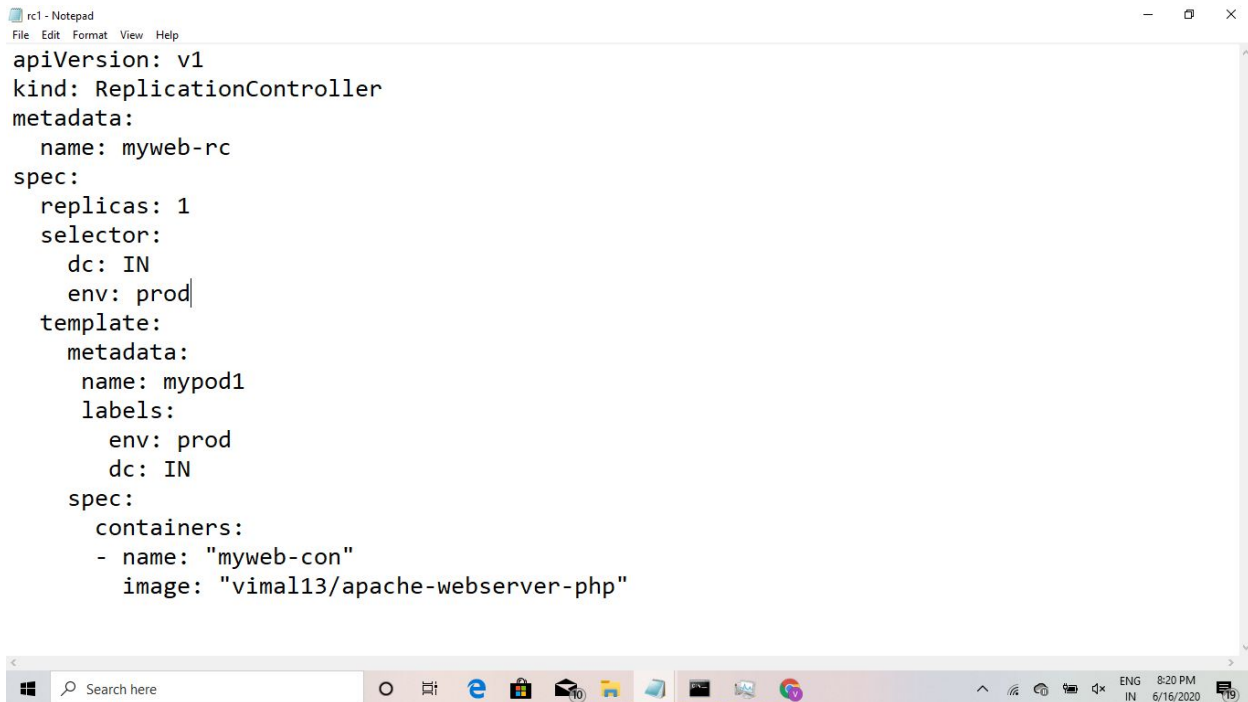
C:\Users\user\Desktop\kube_cloud>kubectl get pods

NAME	READY	STATUS	RESTARTS	AGE
mypod1	1/1	Running	0	7m11s
myweb-rc-kml8q	1/1	Running	0	7s

C:\Users\user\Desktop\kube_cloud>kubectl create -f rc1.yml

replicationcontroller/myweb-rc created

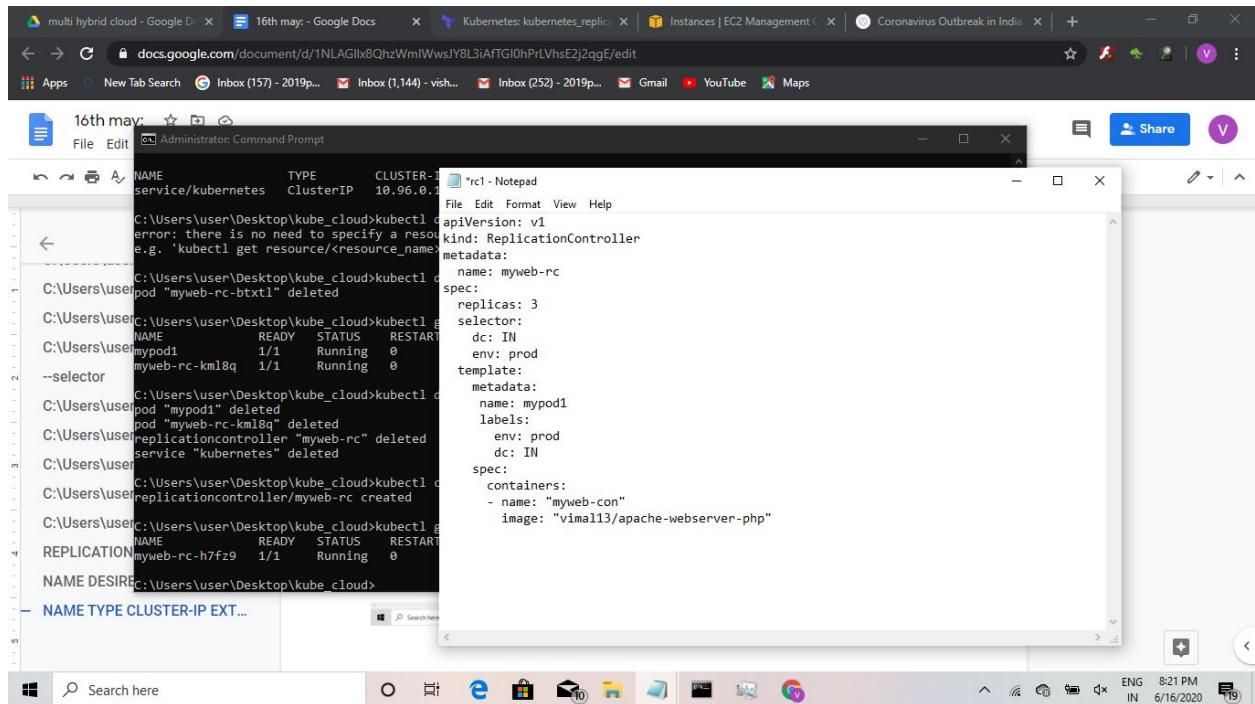
```
C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME          READY  STATUS   RESTARTS  AGE
myweb-rc-h7fz9 1/1    Running  0         6s
```

A screenshot of a Notepad window titled 'rc1 - Notepad'. The window contains the following YAML configuration for a ReplicationController:

```
apiVersion: v1
kind: ReplicationController
metadata:
  name: myweb-rc
spec:
  replicas: 1
  selector:
    dc: IN
    env: prod
  template:
    metadata:
      name: mypod1
      labels:
        env: prod
        dc: IN
    spec:
      containers:
      - name: "myweb-con"
        image: "vimal13/apache-webserver-php"
```

The Notepad window has a standard menu bar with 'File', 'Edit', 'Format', 'View', and 'Help'. The Windows taskbar is visible at the bottom, showing the search bar, task view button, and several application icons. The system tray on the right shows the language as 'ENG IN', the time as '8:20 PM', and the date as '6/16/2020'.

```
C:\Users\user\Desktop\kube_cloud>kubectl create -f rc1.yml
Error from server (AlreadyExists): error when creating "rc1.yml": replicationcontrollers
"myweb-rc" already exists
```



```
C:\Users\user\Desktop\kube_cloud>kubectl replace -f rc1.yml
replicationcontroller/myweb-rc replaced
```

```
C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME          READY  STATUS             RESTARTS  AGE
myweb-rc-b4tx 0/1    ContainerCreating  0         2s
myweb-rc-h7fz 1/1    Running            0         97s
myweb-rc-mq68 0/1    ContainerCreating  0         2s
C:\Users\user\Desktop\kube_cloud>kubectl delete pods myweb-rc-mq687
pod "myweb-rc-mq687" deleted
```

```
C:\Users\user\Desktop\kube_cloud>kubectl get pods
NAME          READY  STATUS             RESTARTS  AGE
myweb-rc-b4tx 1/1    Running            0         61s
myweb-rc-h7fz 1/1    Running            0         2m36s
myweb-rc-jkz2 1/1    Running            0         15s
C:\Users\user\Desktop\kube_cloud>cd ..
```

```
C:\Users\user\Desktop>cd terraform
```

```
C:\Users\user\Desktop\terraform>mkdir kuberc
```

```
C:\Users\user\Desktop\terraform>cd kuberc
```

```
C:\Users\user\Desktop\terraform\kuberc>dir
```

Volume in drive C is vishesh

Volume Serial Number is 1CF6-F84B

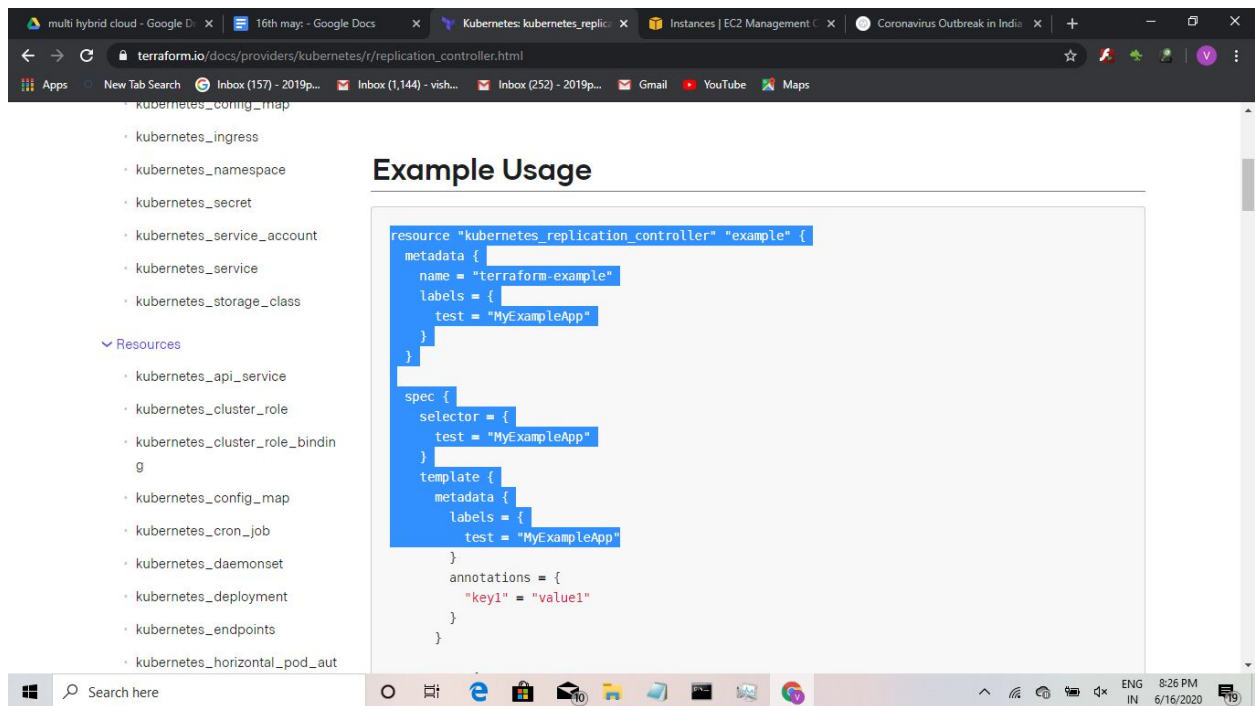
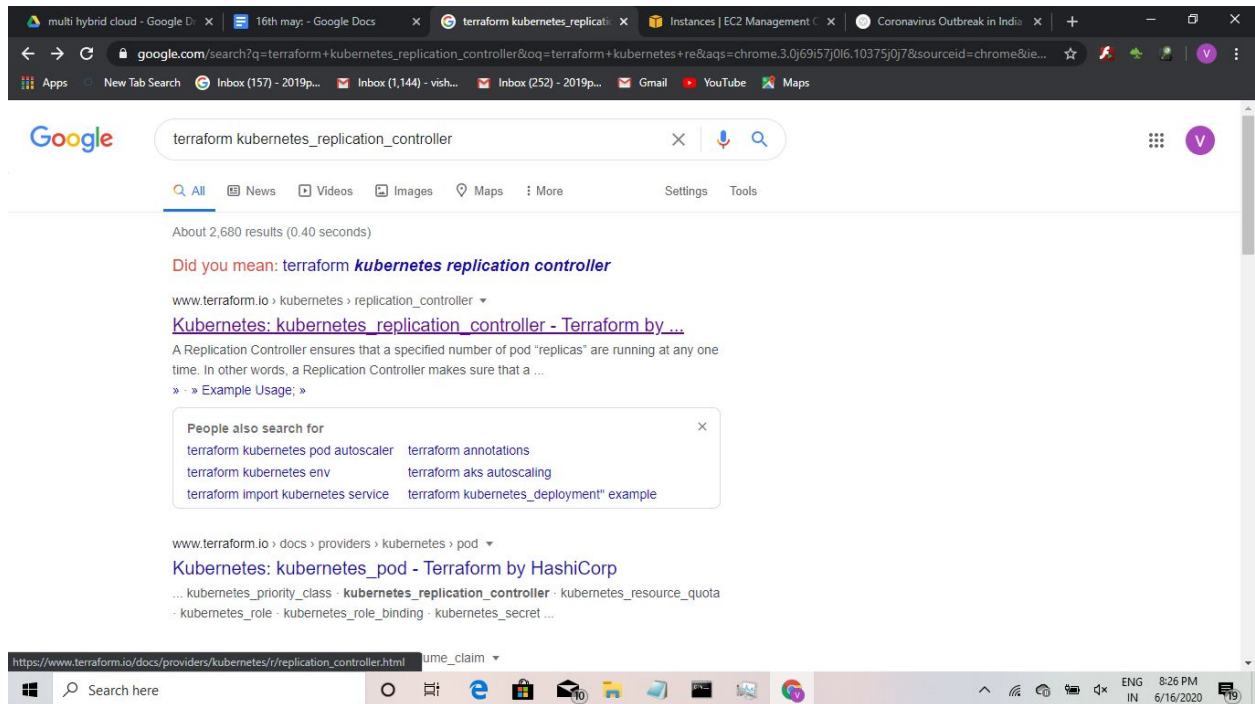
Directory of C:\Users\user\Desktop\terraform\kuberc

```
06/16/2020 08:25 PM <DIR>      .
```

```
06/16/2020 08:25 PM <DIR>      ..
```

```
0 File(s)          0 bytes
```

```
2 Dir(s) 165,634,973,696 bytes free
```



C:\Users\user\Desktop\kube_cloud>cd ..

C:\Users\user\Desktop>cd terraform

C:\Users\user\Desktop\terraform>mkdir kuberc


```
C:\Users\user\Desktop\terraform>cd kuberc
```

```
C:\Users\user\Desktop\terraform\kuberc>dir
```

Volume in drive C is vishesh

Volume Serial Number is 1CF6-F84B

Directory of C:\Users\user\Desktop\terraform\kuberc

```
06/16/2020  08:25 PM    <DIR>        .
```

```
06/16/2020  08:25 PM    <DIR>        ..
```

```
0 File(s)          0 bytes
```

```
2 Dir(s) 165,634,973,696 bytes free
```

```
C:\Users\user\Desktop\terraform\kuberc>terraform init
```

Initializing the backend...

Initializing provider plugins...

- Checking for available provider plugins...

- Downloading plugin for provider "kubernetes" (hashicorp/kubernetes) 1.11.3...

The following providers do not have any version constraints in configuration, so the latest version was installed.

To prevent automatic upgrades to new major versions that may contain breaking changes, it is recommended to add version = "..." constraints to the corresponding provider blocks in configuration, with the constraint strings suggested below.

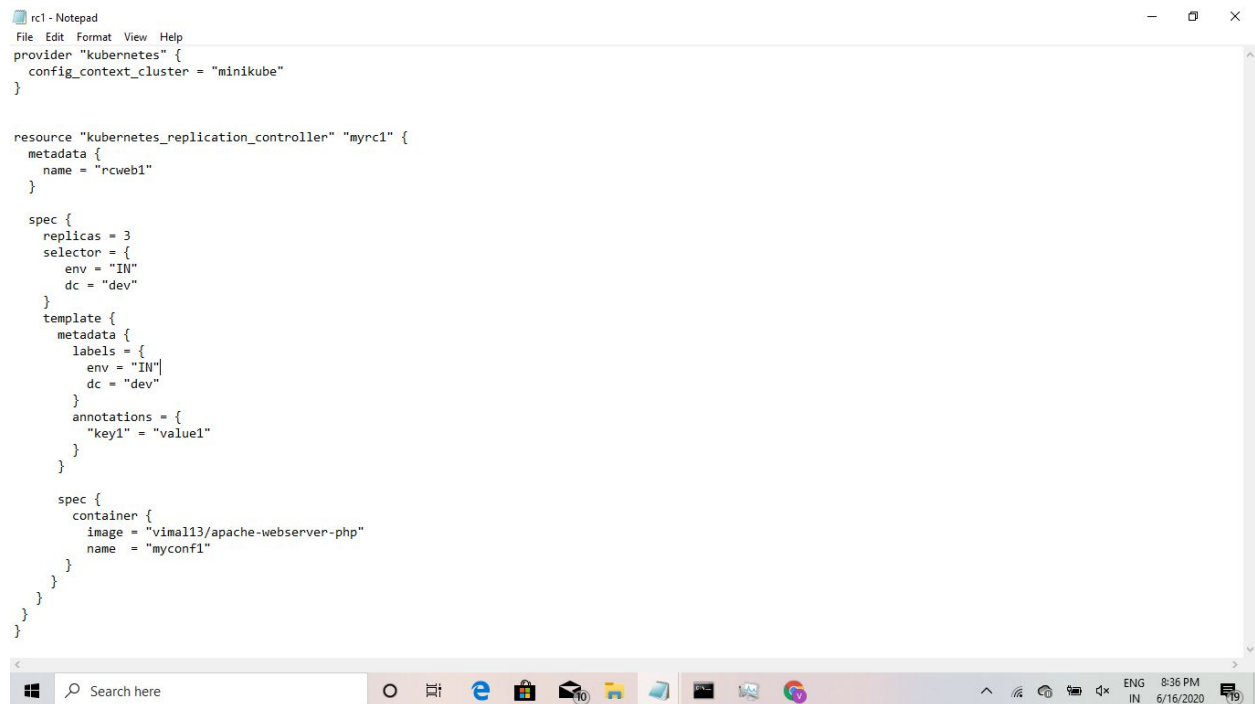
```
* provider.kubernetes: version = "~> 1.11"
```

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.

If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.

```
C:\Users\user\Desktop\terraform\kuberc>kubectl delete all --all
pod "myweb-rc-b4xtx" deleted
pod "myweb-rc-h7fz9" deleted
pod "myweb-rc-jkz2s" deleted
replicationcontroller "myweb-rc" deleted
service "kubernetes" deleted
```



The screenshot shows a Notepad window titled 'rc1 - Notepad' with a menu bar (File, Edit, Format, View, Help). The text content is a Terraform configuration for a Kubernetes replication controller. The configuration includes a provider for 'kubernetes' with 'config_context_cluster' set to 'minikube'. A resource 'kubernetes_replication_controller' named 'myrc1' is defined with metadata (name 'rcweb1'), a spec with 3 replicas, a selector (env 'IN', dc 'dev'), and a template with labels (env 'IN', dc 'dev'), annotations (key1 'value1'), and a container named 'myconf1' using the image 'vimal13/apache-webserver-php'.

```
rc1 - Notepad
File Edit Format View Help
provider "kubernetes" {
  config_context_cluster = "minikube"
}

resource "kubernetes_replication_controller" "myrc1" {
  metadata {
    name = "rcweb1"
  }

  spec {
    replicas = 3
    selector = {
      env = "IN"
      dc = "dev"
    }
    template {
      metadata {
        labels = {
          env = "IN"
          dc = "dev"
        }
        annotations = {
          "key1" = "value1"
        }
      }
      spec {
        container {
          image = "vimal13/apache-webserver-php"
          name = "myconf1"
        }
      }
    }
  }
}
```

```
C:\Users\user\Desktop\terraform\kuberc>terraform validate
Success! The configuration is valid.
```

```
C:\Users\user\Desktop\terraform\kuberc>terraform apply --auto-approve
kubernetes_replication_controller.myrc1: Creating...
kubernetes_replication_controller.myrc1: Creation complete after 2s [id=default/rcweb1]
```

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.

```
C:\Users\user\Desktop\terraform\kuberc>kubectl get pods
NAME          READY   STATUS    RESTARTS   AGE
rcweb1-26qcq  1/1     Running   0           67s
rcweb1-57xxl  1/1     Running   0           67s
rcweb1-hlwmp  1/1     Running   0           67s
```

