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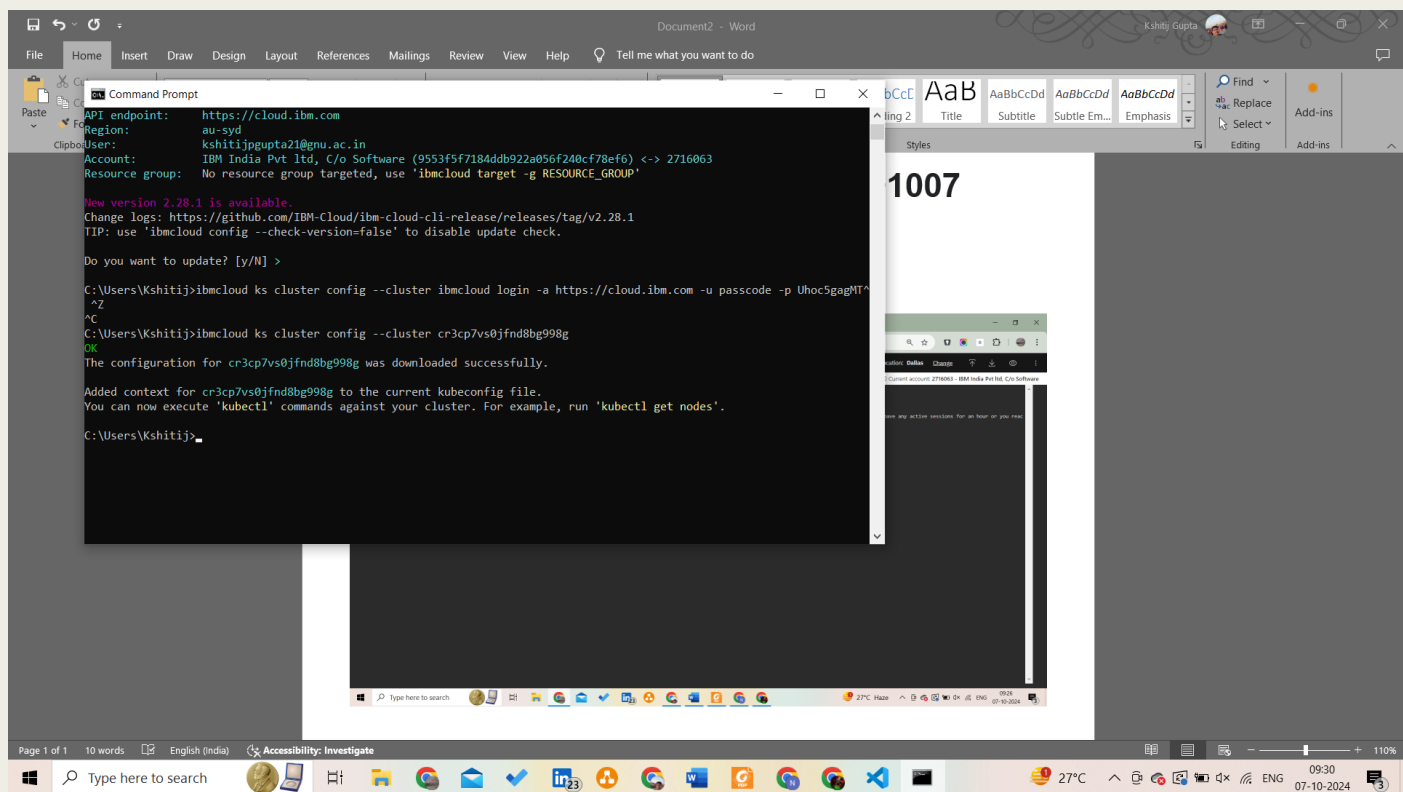
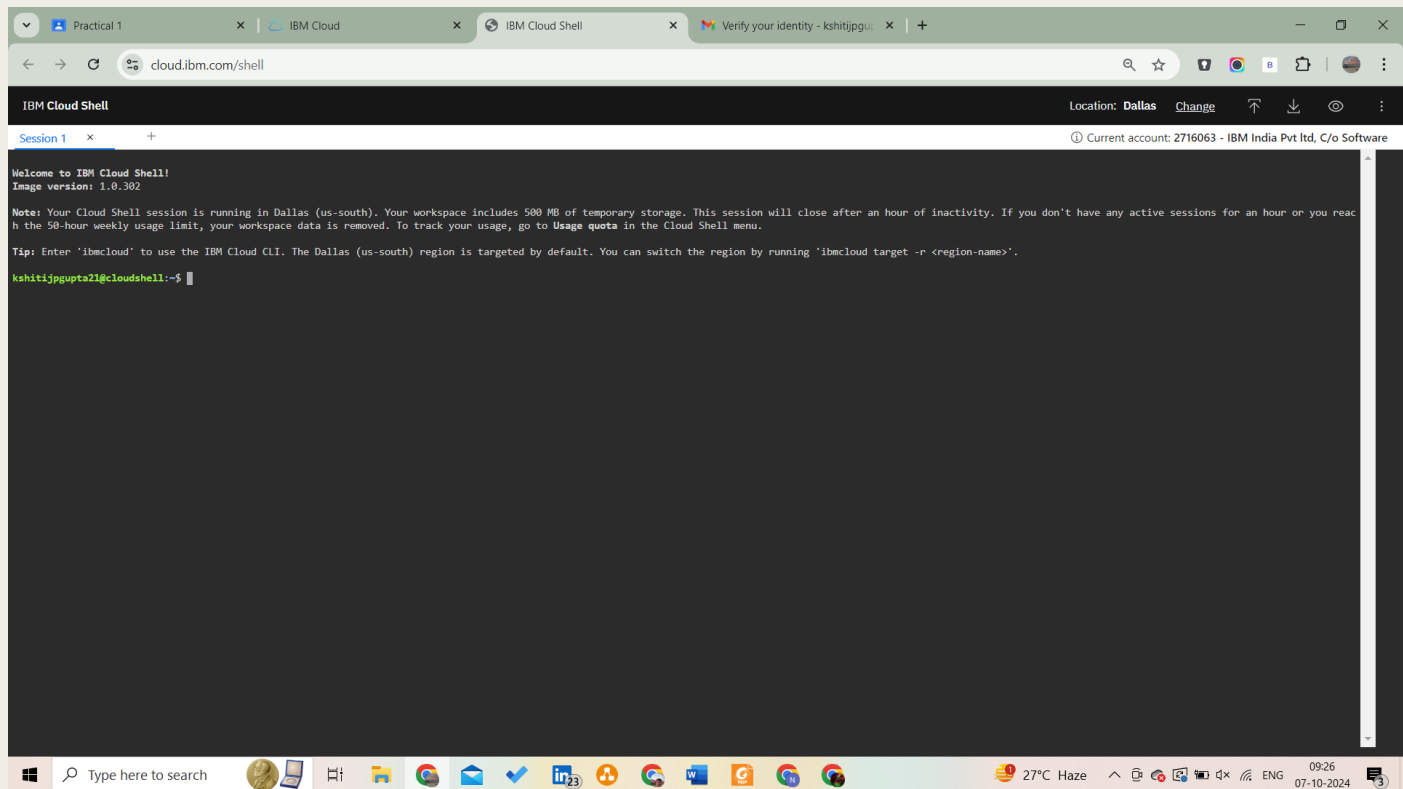
Practical – 9[Batch-71]

Scenario : To restrict network access to an application deployed on Kubernetes, you can use Network Policies. A NetworkPolicy resource defines how groups of pods are allowed to communicate with each other and with other network endpoints. You can configure network policies to control both ingress and egress traffic, limiting access to your application only to the necessary services or pods.

Tasks :

- Review any default network policies applied by Calico or Kubernetes that might affect traffic in your cluster.
- Add new network policies to meet the security requirements outlined above.
- After testing the policies, clean up any temporary or redundant policies that are no longer needed.

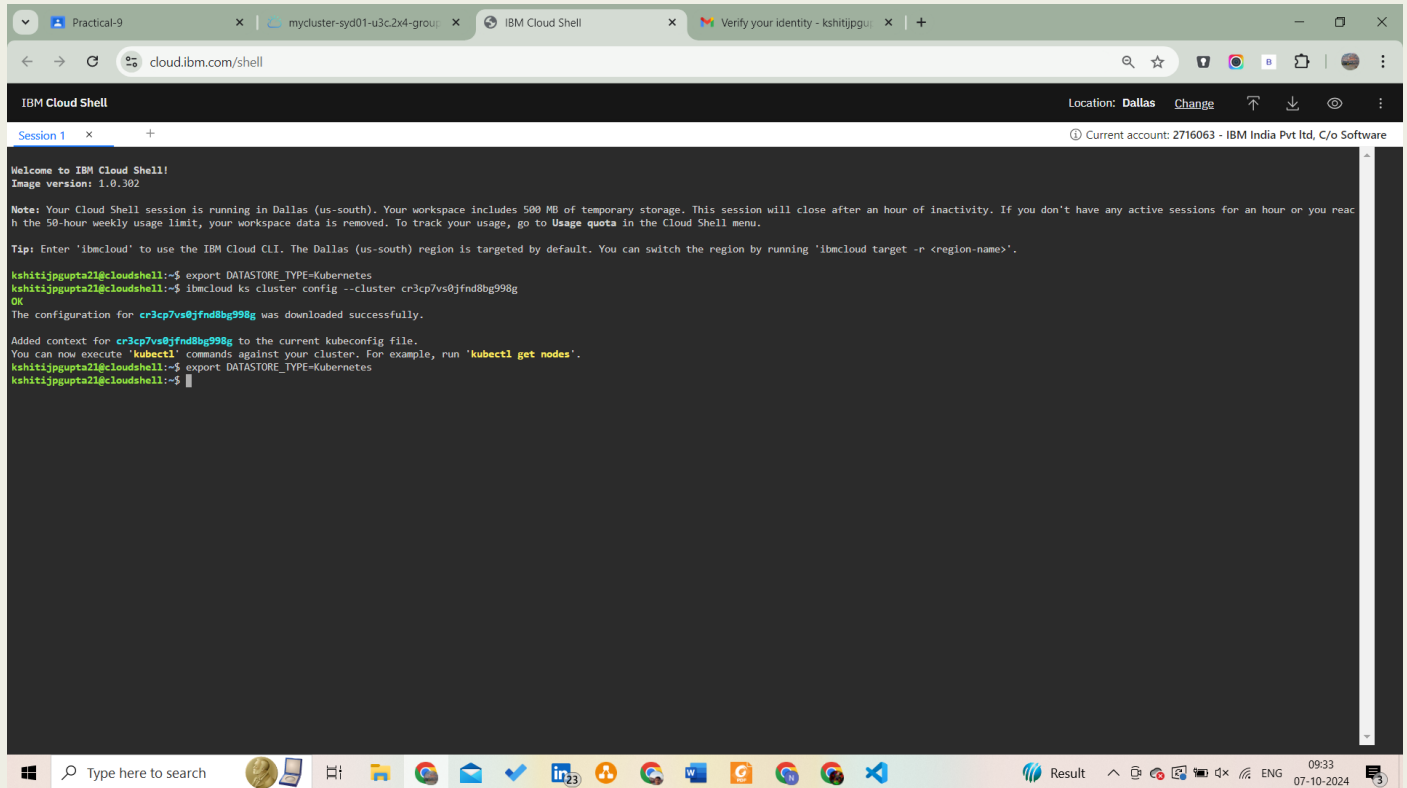
Open CLI using IBM cloud dashboard



Step-1: Configure k8s with admin access to network part also Set the DATASTORE_TYPE environment variable to Kubernetes

Command: export DATASTORE_TYPE=Kubernetes

Command: ibmcloud ks cluster config --cluster <cluster_name_or_ID> --admin --network



```
Welcome to IBM Cloud Shell!
Image version: 1.0.302

Note: Your Cloud Shell session is running in Dallas (us-south). Your workspace includes 500 MB of temporary storage. This session will close after an hour of inactivity. If you don't have any active sessions for an hour or you reach the 50-hour weekly usage limit, your workspace data is removed. To track your usage, go to Usage quota in the Cloud Shell menu.

Tip: Enter 'ibmcloud' to use the IBM Cloud CLI. The Dallas (us-south) region is targeted by default. You can switch the region by running 'ibmcloud target -r <region-name>'.

kshitijpgupta21@cloudshell:~$ export DATASTORE_TYPE=Kubernetes
kshitijpgupta21@cloudshell:~$ ibmcloud ks cluster config --cluster cr3cp7vs0jfd8bg998g
OK
The configuration for cr3cp7vs0jfd8bg998g was downloaded successfully.

Added context for cr3cp7vs0jfd8bg998g to the current kubeconfig file.
You can now execute 'kubectl' commands against your cluster. For example, run 'kubectl get nodes'.
kshitijpgupta21@cloudshell:~$ export DATASTORE_TYPE=Kubernetes
kshitijpgupta21@cloudshell:~$
```

Move the Calico configuration file that you previously downloaded to the directory.

Command: cp /Users/<user>/.bluemix/plugins/container-service/clusters/<cluster_name>-admin/calicoctl.cfg /etc/calico

```
You can now execute 'kubectl' commands against your cluster. For example, run 'kubectl get nodes'.
kshitijpgupta21@cloudshell:~$ export DATASTORE_TYPE=Kubernetes
kshitijpgupta21@cloudshell:~$ ibmcloud ks cluster config --cluster cr3cp7vs0jfd8bg998g --admin --network
OK
The configuration for cr3cp7vs0jfd8bg998g was downloaded successfully.

Network Config:

/tmp/ic/-1/.bluemix/plugins/container-service/clusters/mycluster-syd01-u3c.2x4-group2-cr3cp7vs0jfd8bg998g-admin/calicoctl.cfg

Added context for cr3cp7vs0jfd8bg998g to the current kubeconfig file.
You can now execute 'kubectl' commands against your cluster. For example, run 'kubectl get nodes'.
kshitijpgupta21@cloudshell:~$ cp /tmp/ic/-1/.bluemix/plugins/container-service/clusters/mycluster-syd01-u3c.2x4-group2-cr3cp7vs0jfd8bg998g-admin/calicoctl.cfg /etc/calico
kshitijpgupta21@cloudshell:~$
```

Verify that the Calico configuration is working correctly. Using calicoctl get nodes

```
kshitijpgupta21@cloudshell:~$ cp /tmp/ic/-1/.bluemix/plugins/container-service/clusters/mycluster-syd01-u3c.2x4-group2-cr3cp7vs0jfd8bg998g-admin/calicoctl.cfg /etc/calico
kshitijpgupta21@cloudshell:~$ calicoctl get nodes
Failed to get resources: Version mismatch.
Client Version: v3.24.5
Cluster Version: 3.27.4
Use --allow-version-mismatch to override.

kshitijpgupta21@cloudshell:~$ calicoctl get nodes --allow-version-mismatch
NAME
10.210.8.251

kshitijpgupta21@cloudshell:~$
```

Use alise to remove writing same code every time

```
kshitijpgupta21@cloudshell:~$ alias calicoctl='calicoctl --allow-version-mismatch'
kshitijpgupta21@cloudshell:~$ calicoctl get nodes
NAME
10.210.8.251

kshitijpgupta21@cloudshell:~$
```

Viewing network policies:

1. View the Calico host endpoint.

Command:

calicoctl get hostendpoint -o yaml

```
kshitijpgupta21@cloudshell:~$ calicoctl get hostendpoint -o yaml
apiVersion: projectcalico.org/v3
items:
- apiVersion: projectcalico.org/v3
  kind: HostEndpoint
  metadata:
    annotations:
      kubectl.kubernetes.io/last-applied-configuration: |
        [{"apiVersion": "crd.projectcalico.org/v1", "kind": "HostEndpoint", "metadata": {"annotations": {}, "creationTimestamp": null, "labels": {"addonmanager.kubernetes.io/mode": "Reconcile", "arch": "amd64", "beta.kubernetes.io/arch": "amd64", "beta.kubernetes.io/instance-type": "u3c.2x4.encrypted", "beta.kubernetes.io/os": "linux", "failure-domain.beta.kubernetes.io/region": "au-syd", "failure-domain.beta.kubernetes.io/zone": "syd01", "ibm-cloud.kubernetes.io/encrypted-docker-data": "true", "ibm-cloud.kubernetes.io/external-ip": "159.23.67.199", "ibm-cloud.kubernetes.io/ha-worker": "true", "ibm-cloud.kubernetes.io/iaas-provider": "softlayer", "ibm-cloud.kubernetes.io/interface-name": "eth0", "ibm-cloud.kubernetes.io/internal-ip": "10.210.8.251", "ibm-cloud.kubernetes.io/machine-type": "u3c.2x4.encrypted", "ibm-cloud.kubernetes.io/os": "UBUNTU_20_64", "ibm-cloud.kubernetes.io/region": "au-syd", "ibm-cloud.kubernetes.io/sgx-enabled": "false", "ibm-cloud.kubernetes.io/worker-id": "k8s-cr3cp7vs0jfd8bg998g-myclustersy-default-000001dc", "ibm-cloud.kubernetes.io/worker-pool-id": "cr3cp7vs0jfd8bg998g-929880a", "ibm-cloud.kubernetes.io/worker-pool-name": "default", "ibm-cloud.kubernetes.io/worker-version": "1.30.3_1533", "ibm-cloud.kubernetes.io/zone": "syd01", "ibm.role": "worker-private", "kubernetes.io/arch": "amd64", "kubernetes.io/hostname": "10.210.8.251", "kubernetes.io/os": "linux", "node.kubernetes.io/instance-type": "u3c.2x4.encrypted", "privateVLAN": "3438703", "publicVLAN": "3438701", "topology.kubernetes.io/region": "au-syd", "topology.kubernetes.io/zone": "syd01"}, "name": "k8s-cr3cp7vs0jfd8bg998g-myclustersy-default-000001dc-worker-private"}, {"spec": {"expectedIPs": ["10.210.8.251"], "interfaceName": "eth0", "node": "10.210.8.251"}}
      creationTimestamp: "2024-08-22T05:46:11Z"
  labels:
    addonmanager.kubernetes.io/mode: Reconcile
    arch: amd64
    beta.kubernetes.io/arch: amd64
    beta.kubernetes.io/instance-type: u3c.2x4.encrypted
    beta.kubernetes.io/os: linux
    failure-domain.beta.kubernetes.io/region: au-syd
    failure-domain.beta.kubernetes.io/zone: syd01
    ibm-cloud.kubernetes.io/encrypted-docker-data: "true"
    ibm-cloud.kubernetes.io/external-ip: 159.23.67.199
    ibm-cloud.kubernetes.io/ha-worker: "true"
    ibm-cloud.kubernetes.io/iaas-provider: softlayer
    ibm-cloud.kubernetes.io/interface-name: eth0
    ibm-cloud.kubernetes.io/internal-ip: 10.210.8.251
    ibm-cloud.kubernetes.io/machine-type: u3c.2x4.encrypted
    ibm-cloud.kubernetes.io/os: UBUNTU_20_64
    ibm-cloud.kubernetes.io/region: au-syd
    ibm-cloud.kubernetes.io/sgx-enabled: "false"
    ibm-cloud.kubernetes.io/worker-id: k8s-cr3cp7vs0jfd8bg998g-myclustersy-default-000001dc
    ibm-cloud.kubernetes.io/worker-pool-id: cr3cp7vs0jfd8bg998g-929880a
    ibm-cloud.kubernetes.io/worker-pool-name: default
    ibm-cloud.kubernetes.io/worker-version: 1.30.3_1533
```

Network policies are scoped to specific namespaces:

Command: calicoctl get NetworkPolicy --all-namespaces -o wide

```
kshitijpgupta21@cloudshell:~$ calicoctl get NetworkPolicy --all-namespaces -o wide
NAMESPACE   NAME   ORDER   SELECTOR

kshitijpgupta21@cloudshell:~$
```

```
resourceVersion: "4770762"
kshitijpgupta21@cloudshell:~$ kubectl get networkpolicies --all-namespaces
NAMESPACE   NAME                               POD-SELECTOR   AGE
kube-system  dashboard-metrics-scraper        k8s-app=dashboard-metrics-scraper  45d
kube-system  kubernetes-dashboard              k8s-app=kubernetes-dashboard        45d
kshitijpgupta21@cloudshell:~$ calicoctl get NetworkPolicy --all-namespaces -o wide -v
```

View the details of all global network policies for the cluster.

Command: `calicoctl get GlobalNetworkPolicy -o yaml`

```
kshitijpgupta21@cloudshell:~$  
kshitijpgupta21@cloudshell:~$ calicoctl get GlobalNetworkPolicy -o yaml  
apiVersion: projectcalico.org/v3  
items:  
- apiVersion: projectcalico.org/v3  
  kind: GlobalNetworkPolicy  
  metadata:  
    creationTimestamp: "2024-08-22T05:37:54Z"  
    name: allow-all-outbound  
    resourceVersion: "662352"  
    uid: 96fc725e-a625-48e6-93b8-a455857f8223  
  spec:  
    egress:  
      - action: Allow  
        destination: {}  
        source: {}  
        order: 1900  
        selector: ibm.role == 'worker_public'  
        types:  
          - Egress  
- apiVersion: projectcalico.org/v3  
  kind: GlobalNetworkPolicy  
  metadata:  
    creationTimestamp: "2024-08-22T05:37:55Z"  
    name: allow-all-private-default  
    resourceVersion: "662360"  
    uid: 885d6e54-3d82-4a95-ae57-c90ae0ddf6db  
  spec:  
    egress:  
      - action: Allow  
        destination: {}  
        source: {}  
    ingress:  
      - action: Allow  
        destination: {}  
        source: {}  
        order: 100000
```

Adding network policies

```
kshitijpgupta21@cloudshell:~$ kubectl create ns advanced-policy-kshitijs  
namespace/advanced-policy-kshitijs created  
kshitijpgupta21@cloudshell:~$ kubectl create deployment --namespace=advanced-policy-kshitijs nginx --image=nginx  
deployment.apps/nginx created
```

```
kshitijpgupta21@cloudshell:~$ kubectl create deployment --namespace=advanced-policy-kshitijs nginx --image=nginx  
deployment.apps/nginx created  
kshitijpgupta21@cloudshell:~$ kubectl expose --namespace=advanced-policy-demo deployment nginx --port=80  
Error from server (NotFound): deployments.apps "nginx" not found  
kshitijpgupta21@cloudshell:~$
```

```
kshitijpgupta21@cloudshell:~$ kubectl expose --namespace=advanced-policy-kshitijs deployment nginx --port=80  
service/nginx exposed  
kshitijpgupta21@cloudshell:~$
```

```
Session 1 x Session 2 x + ⓘ Current account: 2716063 - IBM India Pvt Ltd, C/o Software
kshitijpgupta21@cloudshell:~$ kubectl create ns advanced-policy-kshiti7
namespace/advanced-policy-kshiti7 created
kshitijpgupta21@cloudshell:~$ kubectl create deployment --namespace=advanced-policy-kshiti7 nginx --image=nginx
deployment.apps/nginx created
kshitijpgupta21@cloudshell:~$ kubectl expose --namespace=advanced-policy-kshiti7 deployment nginx --port = 80
strconv.Atoi: parsing "=: invalid syntax
Error from server (NotFound): deployments.apps "80" not found
kshitijpgupta21@cloudshell:~$ kubectl expose --namespace=advanced-policy-kshiti7 deployment nginx --por =80
error: unknown flag: --por
See 'kubectl expose --help' for usage.
kshitijpgupta21@cloudshell:~$ kubectl expose --namespace=advanced-policy-kshiti7 deployment nginx --port=80
service/nginx exposed
kshitijpgupta21@cloudshell:~$
```

Verify access – allowed all ingress and egress

Command:

```
kubectl run --namespace=advanced-policy-demo access --rm -ti --image busybox /bin/sh
```

This will open the second shell session inside the busybox, where we can test our policies.

```
IBM Cloud Shell Location: Frankfurt Change ↕ ⬇ 🔍 ⋮

Session 1 × Session 2 × + ⓘ Current account: 2716063 - IBM India Pvt Ltd, C/o Software

Welcome to IBM Cloud Shell!
Image version: 1.0.305

Note: Your Cloud Shell session is running in Frankfurt (eu-de). Your workspace includes 500 MB of temporary storage. This session will close after an hour of inactivity. If you don't have any active sessions for an hour or you reach the 50-hour weekly usage limit, your workspace data is removed. To track your usage, go to Usage quota in the Cloud Shell menu.

Tip: Enter 'ibmcloud' to use the IBM Cloud CLI. The Frankfurt (eu-de) region is targeted by default. You can switch the region by running 'ibmcloud target -r <region-name>'.

kshitijpgupta21@cloudshell:~$ kubectl run --namespace=advanced-policy-kshiti7 access --rm -ti --image busybox /bin/sh
If you don't see a command prompt, try pressing enter.
/ # wget -q --timeout=5 nginx -O -
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

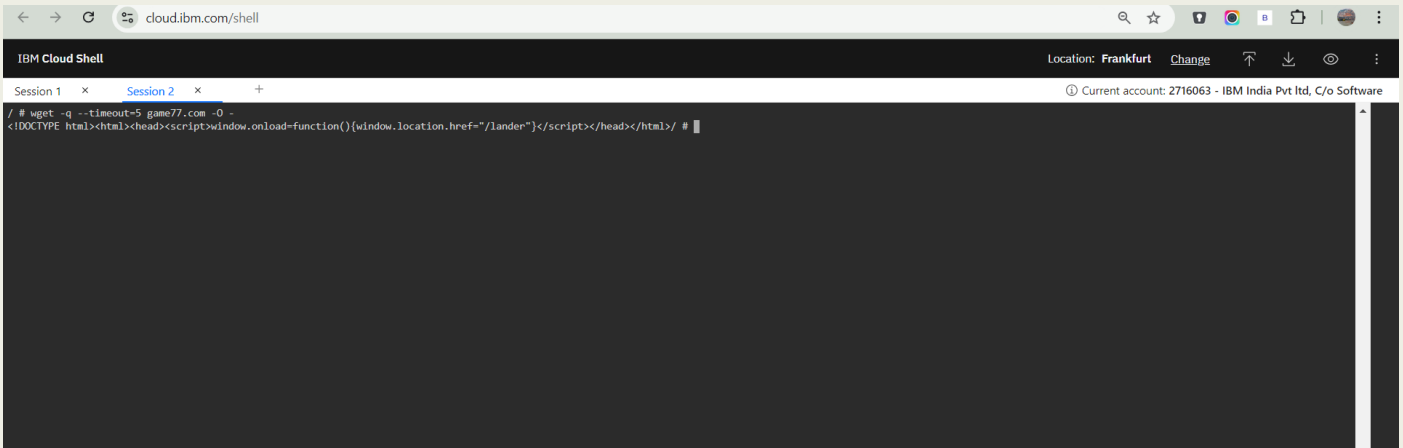
<p><em>Thank you for using nginx.</em></p>
</body>
</html>
/ #
```

Command: `wget -q --timeout=5 nginx -O -`

This would redirect to the HTML welcome page of nginx.

```
<a href="http://nginx.com/">nginx.com</a>.</p>
<p><em>Thank you for using nginx.</em></p>
</body>
</html>
/ # wget -q --timeout=5 google.com -O -
<!doctype html><html itemscope="" itemtype="http://schema.org/WebPage" lang="en"><head><meta content="Search the world's information, including webpages, images, videos and more. Google has many special features to help you find exactly what you're looking for." name="description"><meta content="noindex, nofollow" name="robots"><meta content="text/html; charset=UTF-8" http-equiv="Content-Type"><meta content="/images/branding/googlelogo/1x/googlelogo_color_128dp.png" itemprop="image"><title>Google</title><script nonce="16je_1Qyn_M8M4tgrkmZhg">(function(){var g={key:"26EMZ-WMO-mL1-gPvq3uAE",kEXPI:"0,3700369,1075,541533,2891,89155,18161,162095,342,23024,6708,110644,13669,2006,8155,23350,22436,9779,38678,23980,36746,3801,2412,33249,15816,1804,7734,18080,575,20675,242,1201,29278,27083,5203197,6230,3249,1020,599258,2830954,1178,11,17,7,3,6,19,13,7439958,16496112,4043709,1007,15666,43886,3,1603,3,2124363,23029351,7954,1,2,88,4636,16436,2727,58854,19392,3072,11640,10983,884,14288,8182,28846,20583,9235,9776,2658,2483,1,1,1,950,3319,155,1,1,1,2481,13504,7736,7033,2195,4680,328,3217,4,1235,1769,5786,5,13010,13023,686,7292,504,3,1,3014,9066,4191,5784,113,4,212,5402,8246,54,2205,7,12,5214,2,6,1,4050,4134,2382,1482,980,525,4,1706,1060,1,670,3785,1929,1381,1910,4825,2026,1539,4175,50,747,3034,5649,1,6096,2,4,2084,7114,2222,1330,1837,2308,285,1,1,2,3,6587,1517,251,597,1802,913,128,280,859,5,355,1814,25,1496,1474,1799,3896,1,1,2,3,273,2,1176,41,228,1,1699,1,1,2,3,1179,175,2,2250,1586,1388,2538,828,1159,199,400,1,1616,138,201,1297,11,1098,1,560,1044,442,715,983,1,31,2,1345,1361,559,1,3,60,146,988,441,1,78,816,1224,12,1432,4,1,6,726,1,1017,221,1866,1528,155,64,97,43,366,179,845,1146,497,417,566,354,328,1873,476,287,478,2,239,484,154,2,267,15,1537,334,19,3,890,677,388,27,27,25,711,146,3,154,294,131,42,350,889,619,240,281,39,17,3,133,23,492,25,9,3,44,74,3,7,109,40,27,481,120,80,302,449,5,27,298,2,10,115,4,787,130,169,93,581,99,49,97,647,684,13,384,314,407,1,405,680,116,161,215,170,137,4,729,58,1,60,834,483,466,2,618,4,830,193,252,382,3,240,21,725,267,418,182,144,918,178,551,101,73,292,367,18,326,952,96,2,2613,2120667,4294,3,15901,3,7328,9665,21,459,132,1414,1480,988,307,354,14,1441,732701e,"kBL":x83W,"kOPI":89978449});(function(){var a;((a=window.google)!=null?window.google:"")>google.kEI=g.kEI.window.google.call(this));})();(function(){google.sn=webhp;google.kHL="en"});(function(){var h=this;if(self,function l(){return window.google!=void 0&&window.google.kOPI!=void 0&&window.google.kOPI!=0&&window.google.kOPI!=null;var m,n=[];function p(a){for(var b;a&&(a.getAttribute("l")!==(b=a.getAttribute("eid"))));a=a.parentNode;return b}[m]=function q(a){for(var b=null;a&&(a.getAttribute("l")!==(b=a.getAttribute("leid"))));a=a.parentNode;return b}function r(a){if(!http://i.test(a)&&window.location.protocol=="https:"&&google.ml&&google.ml(Error("a")),1),(s rc:a,glmm:1)),a="");return a}function t(a,b,c,d,k){var e="";e=search("&ei=")===-1&&(e=search("&ei="p(d),b.search("&lei=")===-1&&(d=q(d))&&(e="&lei="+d);d="";var g=b.search("&cschid=")===-1&&a!=""&&f.push(["zx",Date.now(),toString()]);h._cschid&&g&&f.push(["cschid",h._cschid]);c=c();c=null&&f.push(["opi",c.toString()]);for(c=0;c<f.length;c++){if(c==0){<0>d="&";d+=f[c][0]+f[c][1];return"/"+(k||"gen_204")+"?atyp=i&ct="+String(a)+"&cad="+b(eid));}=google.kEI;google.getEI=p;google.g
```

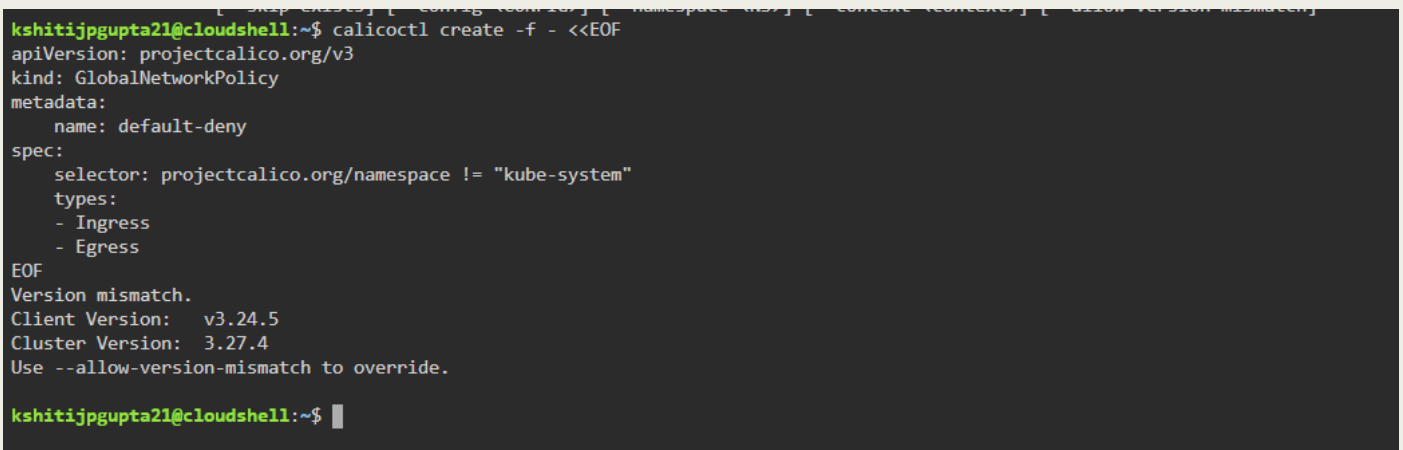
Now we add unknown address so file does not open and give the error



```
cloud.ibm.com/shell
IBM Cloud Shell
Location: Frankfurt
Session 1 x Session 2 x +
① Current account: 2716063 - IBM India Pvt Ltd, C/o Software

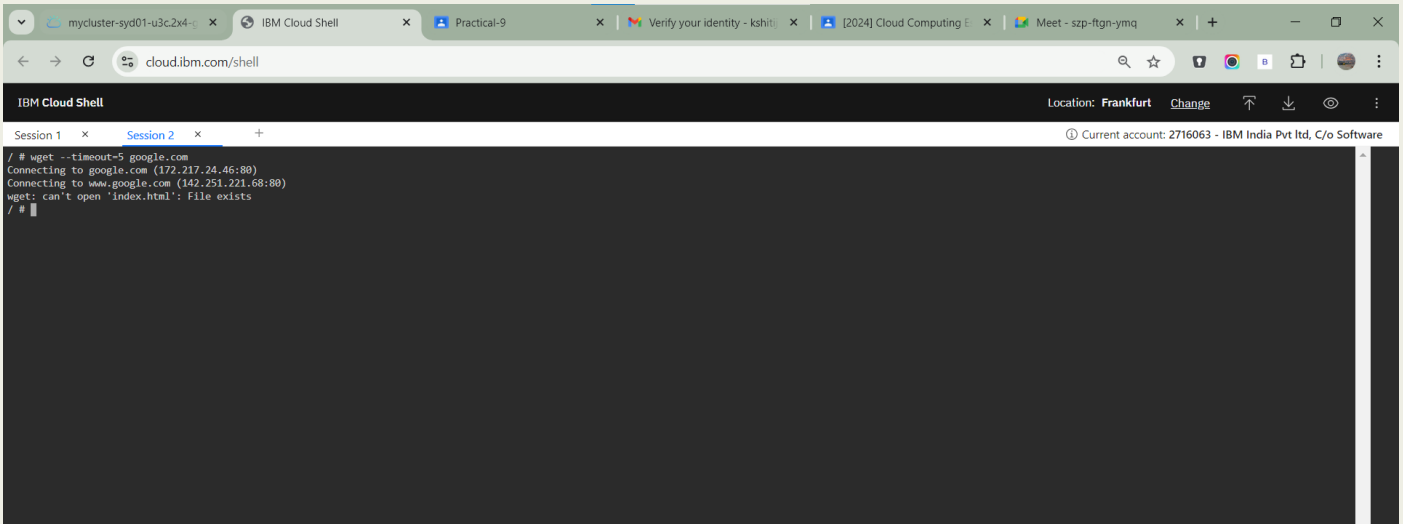
/ # wget -q --timeout=5 game77.com -O -
<!DOCTYPE html><html><head><script>window.onload=function(){window.location.href="/lander"}</script></head></html>/ #
```

Now create global network policy to deny all traffic



```
kshitijpgupta21@cloudshell:~$ calicoctl create -f - <<EOF
apiVersion: projectcalico.org/v3
kind: GlobalNetworkPolicy
metadata:
  name: default-deny
spec:
  selector: projectcalico.org/namespace != "kube-system"
  types:
    - Ingress
    - Egress
EOF
Version mismatch.
Client Version: v3.24.5
Cluster Version: 3.27.4
Use --allow-version-mismatch to override.

kshitijpgupta21@cloudshell:~$
```



```
mycluster-syd01-u3c2x4-... x IBM Cloud Shell x Practical-9 x Verify your identity - kshiti x [2024] Cloud Computing E x Meet - szp-ftgn-ymq x +
cloud.ibm.com/shell
IBM Cloud Shell
Location: Frankfurt
Session 1 x Session 2 x +
① Current account: 2716063 - IBM India Pvt Ltd, C/o Software

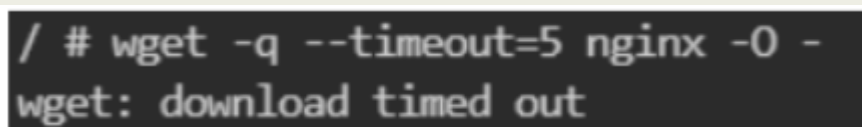
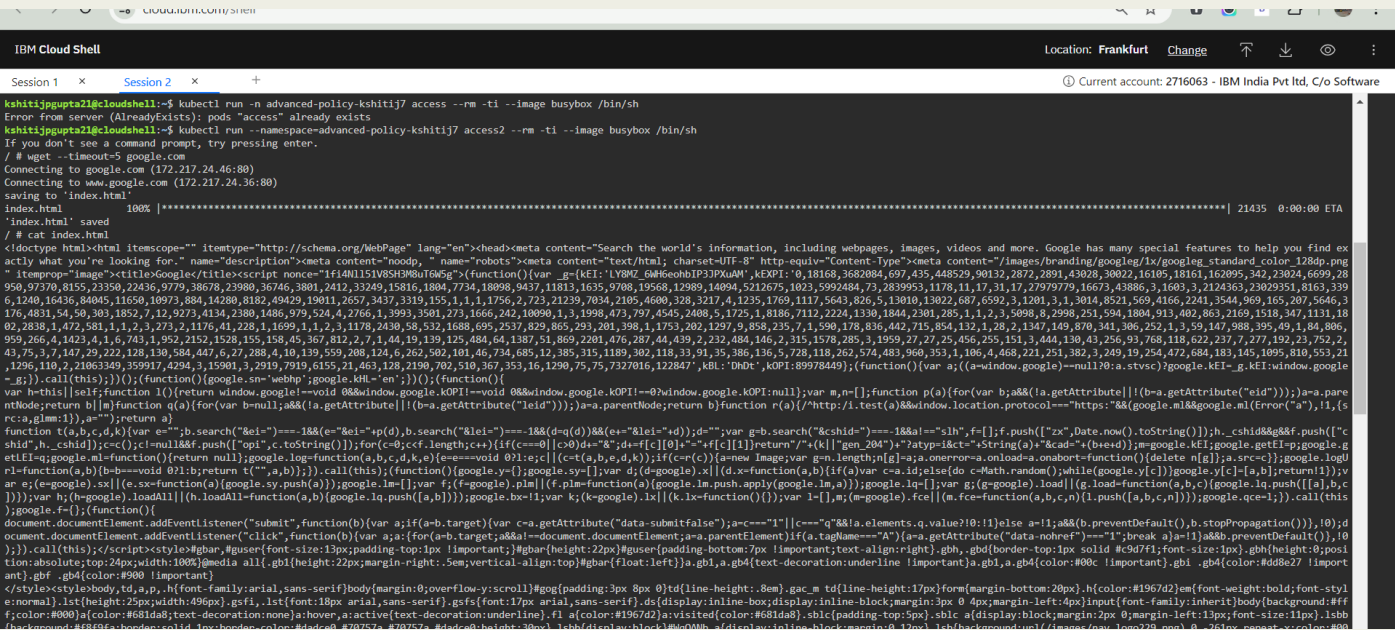
/ # wget --timeout=5 google.com
Connecting to google.com (172.217.24.46:80)
Connecting to www.google.com (142.251.221.68:80)
wget: can't open 'index.html': File exists
/ #
```


Now create a policy to allow our pod's egress traffic

```
Use --allow-version-mismatch to override.

kshitiyjpgupta21@cloudshell:~$ calicoctl create -f - <<EOF
apiVersion: projectcalico.org/v3
kind: NetworkPolicy
metadata:
  name: allow-busybox-egress
  namespace: advanced-policy-demo
spec:
  selector: run == 'access2'
  types:
  - Egress
  egress:
  - action: Allow
EOF

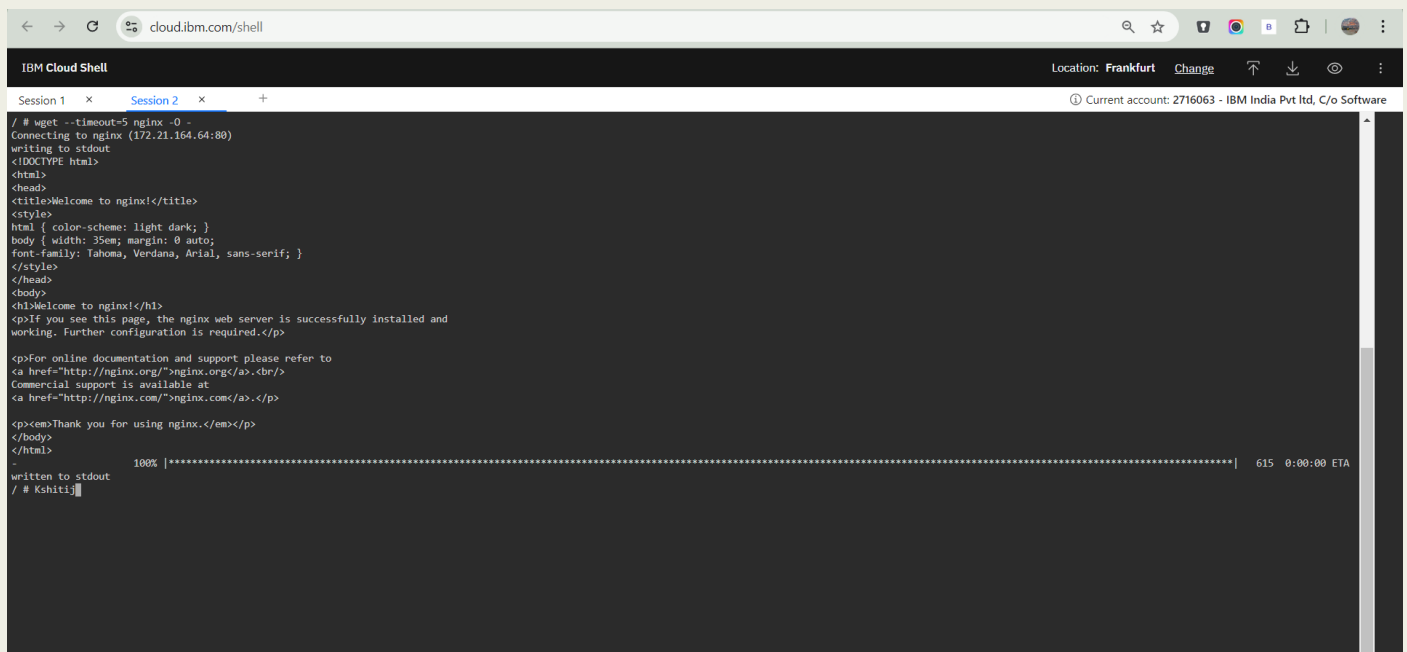
Version mismatch.
Client Version: v3.24.5
Cluster Version: 3.27.4
Use --allow-version-mismatch to override.
```



Ingress traffic is still blocked so create a new policy to allow communication between these pods

```
kshitijpgupta21@cloudshell:~$ calicoctl create -f - <<EOF
> apiVersion: projectcalico.org/v3
> kind: NetworkPolicy
> metadata:
>   name: allow-nginx-ingress
>   namespace: advanced-policy-kshitij7
> spec:
>   selector: app == "nginx"
>   types:
>   - Ingress
>   ingress:
>   - action: Allow
>   source:
>     selector: run == "access2"
> EOF
Version mismatch.
Client Version:   v3.24.5
Cluster Version:  3.27.4
Use --allow-version-mismatch to override.
```

```
kshitijpgupta21@cloudshell:~$
```



The screenshot shows a web browser window with the address bar displaying "cloud.ibm.com/shell". The browser's address bar includes search, star, and various extension icons. Below the address bar, the page title is "IBM Cloud Shell". The main content area shows a terminal window with the following text:

```
Session 1 x Session 2 x +
Location: Frankfurt Change
Current account: 2716063 - IBM India Pvt Ltd, C/o Software

/ # wget --timeout=5 nginx -O -
Connecting to nginx (172.21.164.64:80)
writing to stdout
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
100% |*****| 615 0:00:00 ETA
written to stdout
/ # kshitij
```

Now delete everything created in this practical

```
Session 1 x Session 2 x +
kshitijpgupta21@cloudshell:~$ calicoctl delete policy allow-busybox-egress -n advanced-policy-kshiti7
Version mismatch.
Client Version: v3.24.5
Cluster Version: 3.27.4
Use --allow-version-mismatch to override.

kshitijpgupta21@cloudshell:~$ calicoctl delete policy allow-nginx-ingress -n advanced-policy-kshiti7
Version mismatch.
Client Version: v3.24.5
Cluster Version: 3.27.4
Use --allow-version-mismatch to override.

kshitijpgupta21@cloudshell:~$ calicoctl delete policy allow-nginx-ingress -n advanced-policy-kshiti7
Version mismatch.
Client Version: v3.24.5
Cluster Version: 3.27.4
Use --allow-version-mismatch to override.

kshitijpgupta21@cloudshell:~$ calicoctl delete gnp default-deny
Version mismatch.
Client Version: v3.24.5
Cluster Version: 3.27.4
Use --allow-version-mismatch to override.

kshitijpgupta21@cloudshell:~$ kubectl delete ns advanced-policy-kshiti7
namespace "advanced-policy-kshiti7" deleted
```