

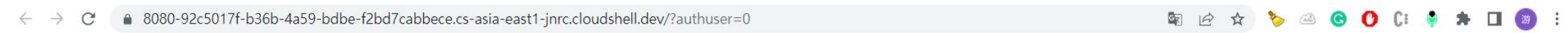
設計以及架構建置K8s自有 叢集 - Lab (第8組)

Lab1-2-7

```
CLOUD SHELL
Terminal (nycu-lab-8) X + ▾
Open Editor

remote: Total 24 (delta 7), reused 24 (delta 7), pack-reused 0
Receiving objects: 100% (24/24), done.
Resolving deltas: 100% (7/7), done.
a103502049@cloudshell:~/git (nycu-lab-8)$ ls
nycu-k8s-lab
a103502049@cloudshell:~/git (nycu-lab-8)$ cd nycu-k8s-lab/
.git/      lab1/      lab2/      lab3/      lab-bonus/
a103502049@cloudshell:~/git (nycu-lab-8)$ cd nycu-k8s-lab/
.git/      lab1/      lab2/      lab3/      lab-bonus/
a103502049@cloudshell:~/git (nycu-lab-8)$ cd nycu-k8s-lab/lab1/
a103502049@cloudshell:~/git/nycu-k8s-lab/lab1 (nycu-lab-8)$ ls
pod-nginx.yaml
a103502049@cloudshell:~/git/nycu-k8s-lab/lab1 (nycu-lab-8)$ kubectl apply -f pod-nginx.yaml
pod/nginx-standalone-pod created
a103502049@cloudshell:~/git/nycu-k8s-lab/lab1 (nycu-lab-8)$ kubectl get pod
NAME                READY   STATUS    RESTARTS   AGE
nginx-standalone-pod 1/1     Running   0           12s
a103502049@cloudshell:~/git/nycu-k8s-lab/lab1 (nycu-lab-8)$
```

Lab1-3-3



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

Lab2-1-8

```
a103502049@cloudshell:~ (nycu-lab-8)$ kubectl exec -it pod/bastion -- bash
[root@bastion /]# curl 192.199.0.10
<!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>
[root@bastion /]#
```

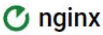
Lab2-2-5


```
[root@bastion /]# curl nginx
<!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>
```

Lab2-3-4

[←](#) Ingress Details [REFRESH](#) [EDIT](#) [DELETE](#) [KUBECTL](#) [▼](#)

Last refreshed: Just now

 nginx

 Creating ingress

DETAILS

TELEMETRY

LOGS

EVENTS

YAML

Cluster

[nycu-lab-8-cluster](#)

Namespace

lab

Created

Mar 16, 2022, 8:15:58 PM

Labels

No labels set

Annotations

ingress.kubernetes.io/backends: {"k8s1-51f416d6-lab-nginx-80-ebe779fd":"Unknown"}

ingress.kubernetes.io/forwarding-rule: k8s2-fr-fk632s20-lab-nginx-xvgeg9sg

ingress.kubernetes.io/target-proxy: k8s2-tp-fk632s20-lab-nginx-xvgeg9sg

ingress.kubernetes.io/url-map: k8s2-um-fk632s20-lab-nginx-xvgeg9sg

Type

Ingress

Load balancer

External HTTP(S) LB


IP address

[34.149.169.193](#) [↗](#)

Routes

Route	Service	Pod selector	Clusters	Pods
34.149.169.193/* ↗	nginx	app = nginx	nycu-lab-8-cluster	2/2

Serving pods

Service	Name	Status	Restarts	Created on ↑
nginx	nginx-2	 Running	0	Mar 16, 2022, 8:04:10 PM

Lab2-3-5

← → ↻ ⚠ 不安全 | 34.149.169.193



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

Lab3-1-3

```
a103502049@cloudshell:~/git/nycu-k8s-lab/lab3 (nycu-lab-8)$ kubectl get all
```

NAME	READY	STATUS	RESTARTS	AGE
pod/bastion	1/1	Running	0	43m
pod/nginx-1	1/1	Running	0	42m
pod/nginx-2	1/1	Running	0	42m
pod/nginx-585449566-2rkx8	1/1	Running	0	12s
pod/nginx-585449566-c259w	1/1	Running	0	12s
pod/nginx-585449566-qmckn	1/1	Running	0	12s

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
service/nginx	NodePort	192.199.11.104	<none>	80:31556/TCP	37m

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
deployment.apps/nginx	3/3	3	3	13s

NAME	DESIRED	CURRENT	READY	AGE
replicaset.apps/nginx-585449566	3	3	3	12s

Lab3-2-5

```
a103502049@cloudshell:~/git/nycu-k8s-lab/lab3 (nycu-lab-8)$ kubectl get pod
```

NAME	READY	STATUS	RESTARTS	AGE
bastion	1/1	Running	0	46m
nginx-1	1/1	Running	0	45m
nginx-2	1/1	Running	0	45m
nginx-585449566-2rkx8	1/1	Running	0	3m52s
nginx-585449566-c259w	1/1	Running	0	3m52s
nginx-585449566-lh48d	1/1	Running	0	2s
nginx-585449566-srfgg	1/1	Running	0	2s

Lab3-3-3

```
a103502049@cloudshell:~/git/nycu-k8s-lab/lab3 (nycu-lab-8)$ kubectl get pod
```

NAME	READY	STATUS	RESTARTS	AGE
bastion	1/1	Running	0	49m
nginx-1	1/1	Running	0	48m
nginx-2	1/1	Running	0	48m
nginx-585449566-2rkx8	1/1	Running	0	6m12s

Bonus

