

Informe de resultados Kubernetes Local – Victor Hernandez

```
• Verifying Kubernetes components...
  • Using image docker.io/kubernetesui/dashboard:v2.7.0
  • Using image docker.io/kubernetesui/metrics-scraper:v1.0.8
  • Using image registry.k8s.io/metrics-server/metrics-server:v0.7.2
  • Using image gcr.io/k8s-minikube/storage-provisioner:v5
• Some dashboard features require the metrics-server addon. To enable all features please run:

    minikube addons enable metrics-server

• Complementos habilitados: storage-provisioner, default-storageclass, metrics-server, dashboard
• Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default

❯ pwsh - main
❯ kubectl get nodes
NAME        STATUS    ROLES    AGE   VERSION
minikube    Ready     control-plane  98s   v1.31.0

❯ pwsh - main
❯ kubectl create deployment nginx-deploy --image=nginx
deployment.apps/nginx-deploy created

❯ pwsh - main
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->
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```
> kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deploy-5fd7574f9f-gvszd      1/1     Running   0           35s
```

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```
> kubectl expose deployment nginx-deploy --type=NodePort --port=80
service/nginx-deploy exposed
```

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```
> kubectl expose deployment nginx-deploy --type=NodePort --port=80
service/nginx-deploy exposed
> kubectl get services
```

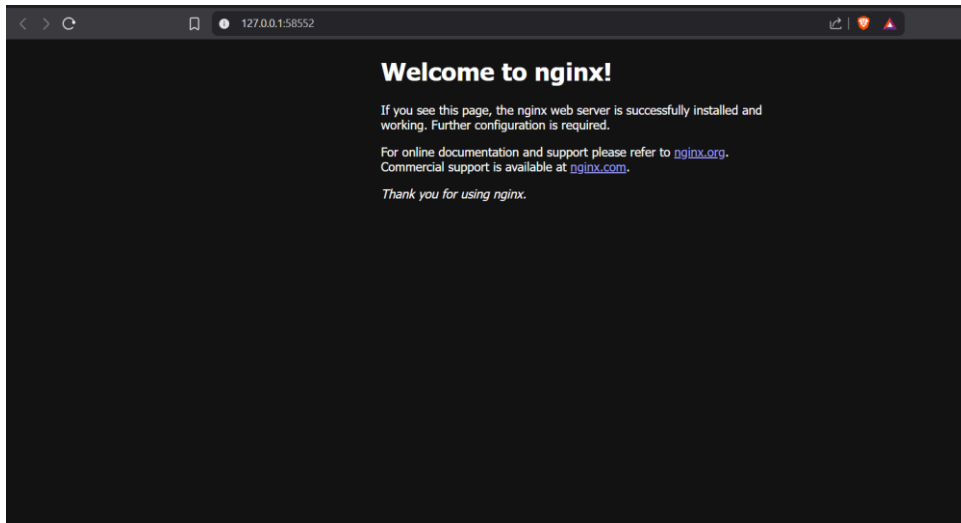
NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	3m2s
nginx-deploy	NodePort	10.110.41.107	<none>	80:31160/TCP	17s

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Starting tunnel for service nginx-deploy.
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NAMESPACE	NAME	TARGET PORT	URL
default	nginx-deploy		http://127.0.0.1:58552

```
Opening service default/nginx-deploy in default browser...
! Porque estás usando controlador Docker en windows, la terminal debe abrirse para ejecutarlo.
```



```
> kubectl scale deployment nginx-deploy --replicas=3
deployment.apps/nginx-deploy scaled
> kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
nginx-deploy-5fd7574f9f-58rqv	0/1	ContainerCreating	0	2s
nginx-deploy-5fd7574f9f-g4nzf	0/1	ContainerCreating	0	2s
nginx-deploy-5fd7574f9f-gvszd	1/1	Running	0	3m32s

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```
> kubectl scale deployment nginx-deploy --replicas=3
deployment.apps/nginx-deploy scaled
> kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
nginx-deploy-5fd7574f9f-58rqv	0/1	ContainerCreating	0	2s
nginx-deploy-5fd7574f9f-g4nzf	0/1	ContainerCreating	0	2s
nginx-deploy-5fd7574f9f-gvszd	1/1	Running	0	3m32s

```
> kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
nginx-deploy-5fd7574f9f-58rqv	1/1	Running	0	22s
nginx-deploy-5fd7574f9f-g4nzf	1/1	Running	0	22s
nginx-deploy-5fd7574f9f-gvszd	1/1	Running	0	3m52s

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