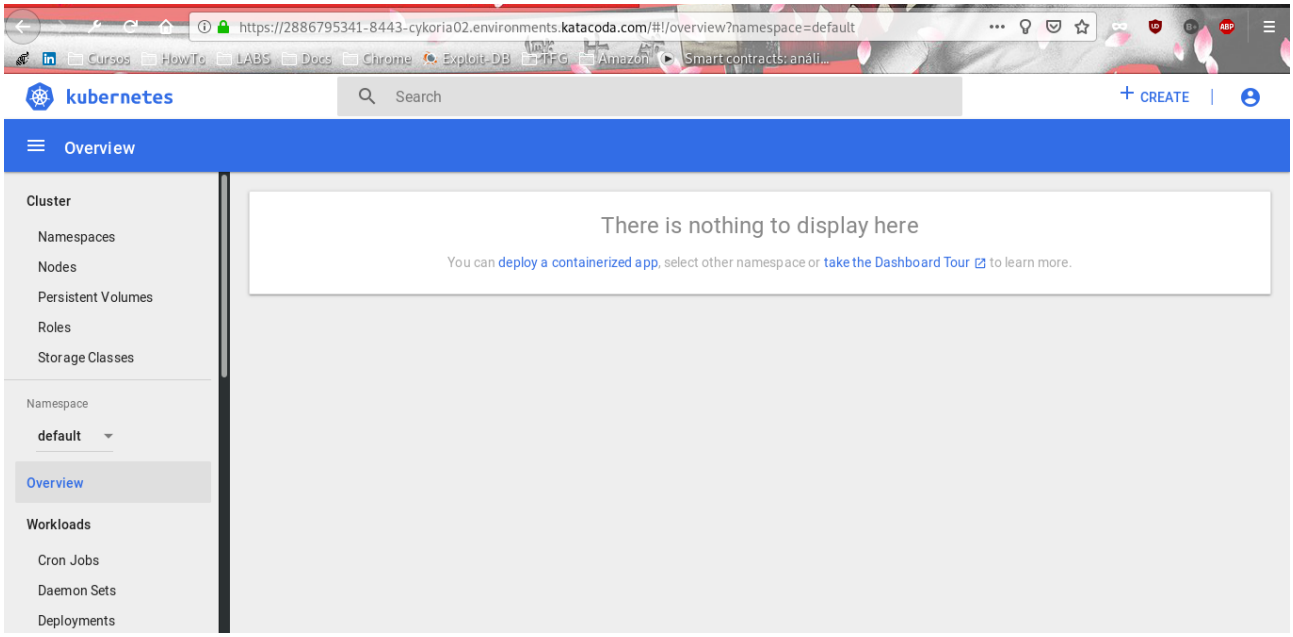
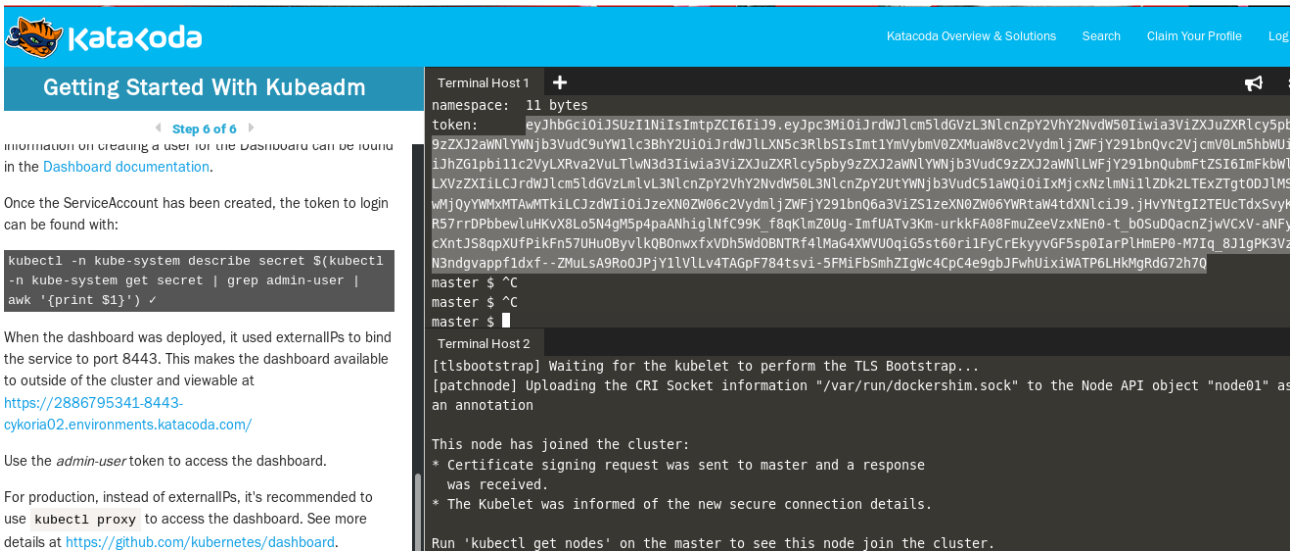
Práctica 7
CPD

Por: Rubén Calvo Villazán

II.a) Captura del Dashboard.
II.b) Captura donde aparece el puerto modificado.
II.c) Captura donde se muestran los Deployment y Services.
II.d) Captura donde aparece personalizado el NodePort.
II.e) Captura donde personalizamos el enrutamiento de nivel 4.
II.f) Captura donde personalizamos el mensaje de salida en el almacenamiento persistente.
II.g) Captura de la ejecución de la automatización con forge

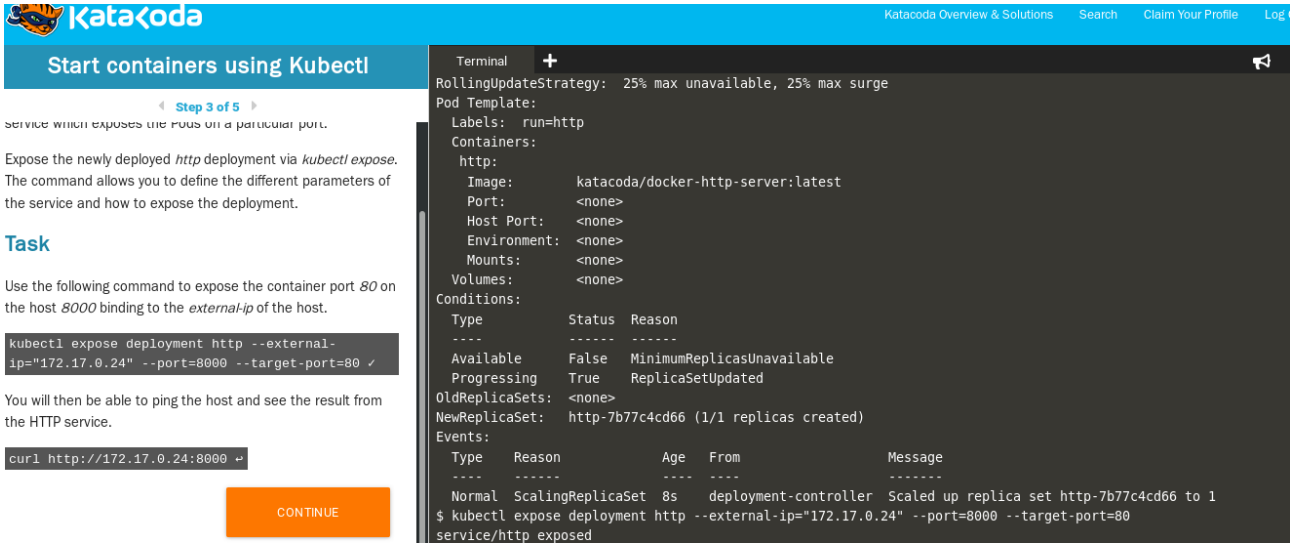
Launch a multi-node cluster using Kubeadm
II.a) Captura del Dashboard.

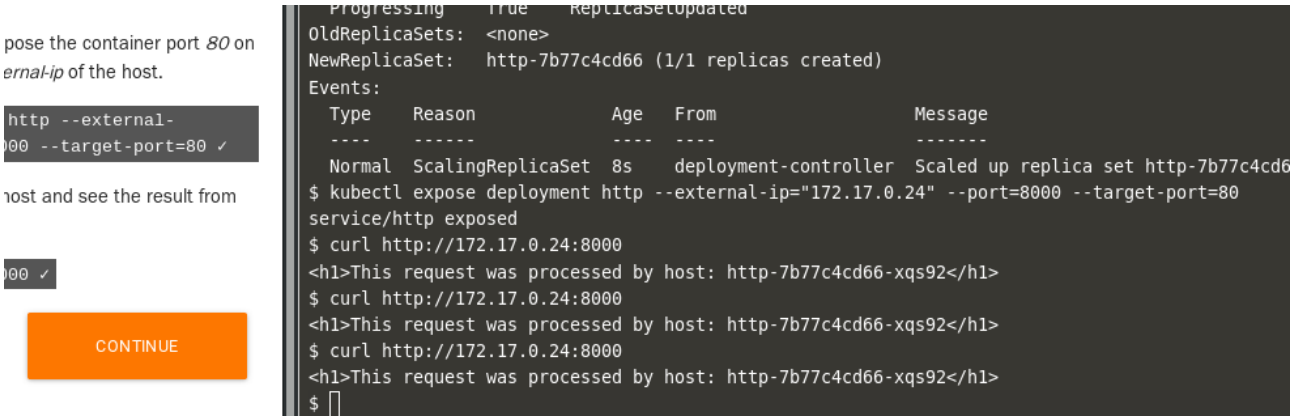


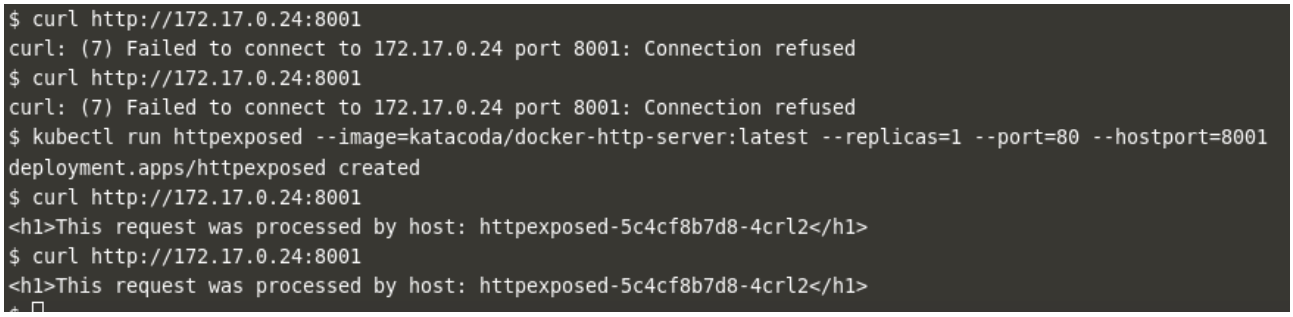


Deploy Containers Using Kubectl

II.b) Captura donde aparece el puerto modificado.

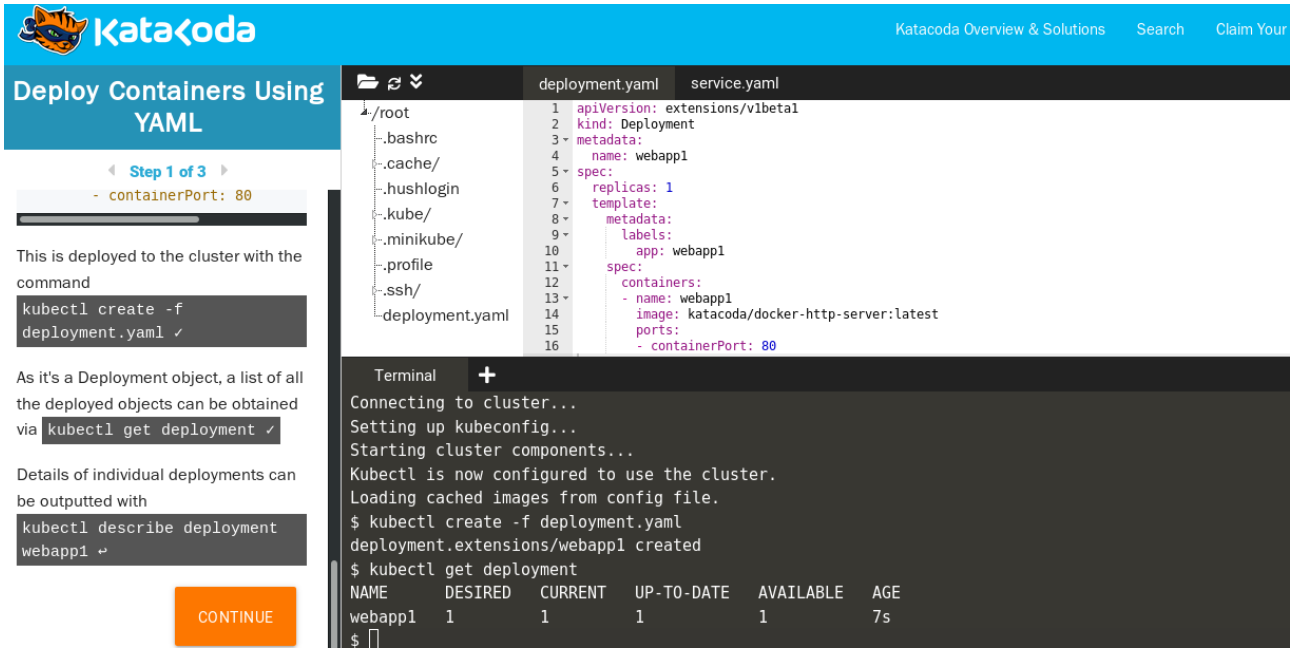


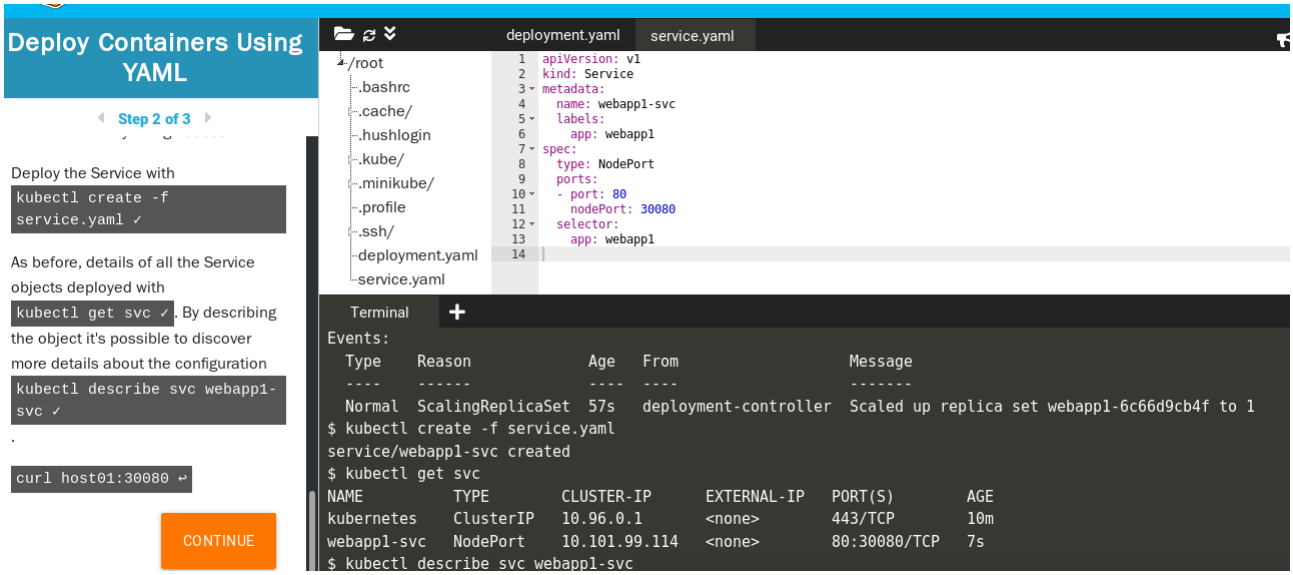




Deploy Containers Using YAML

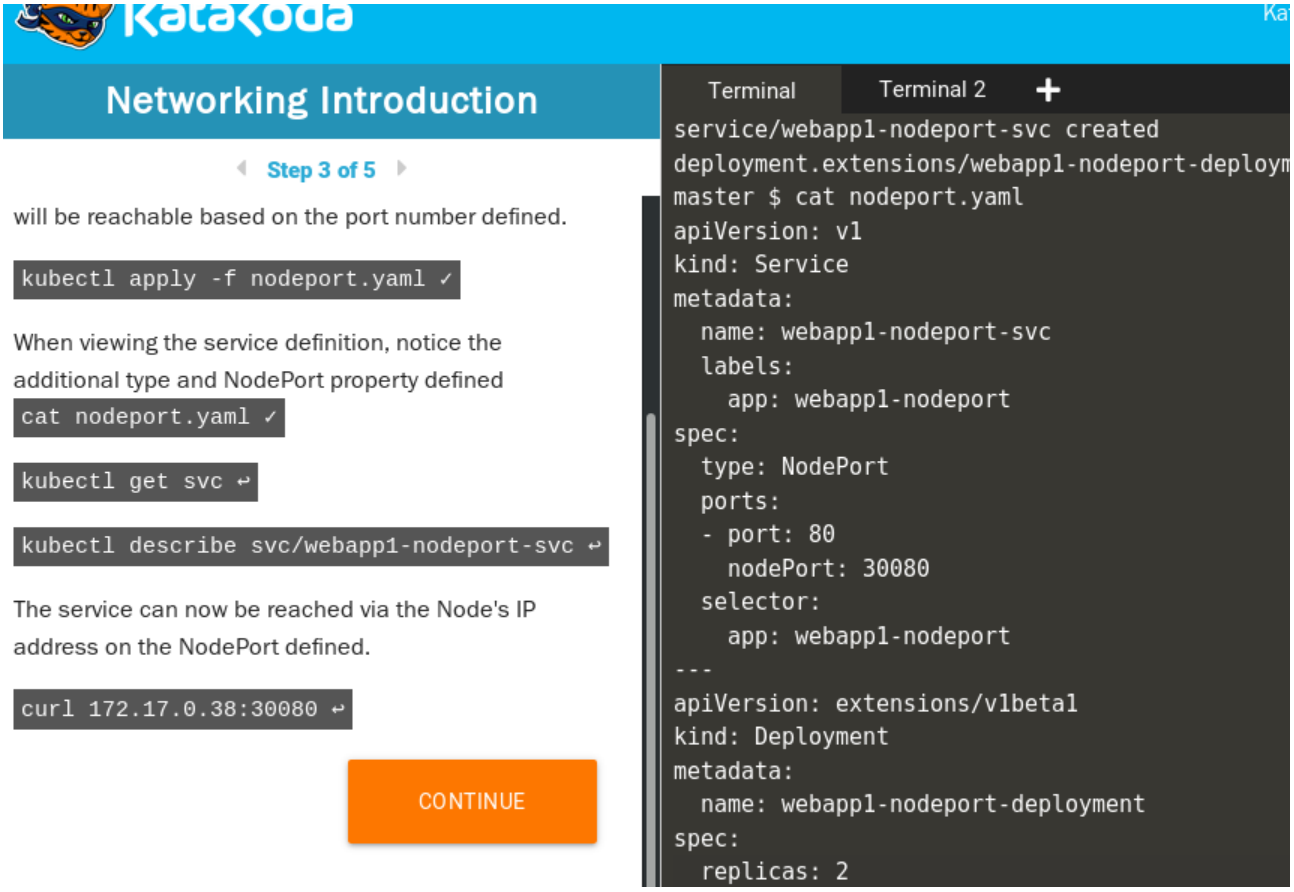
II.c) Captura donde se muestran los Deployment y Services.

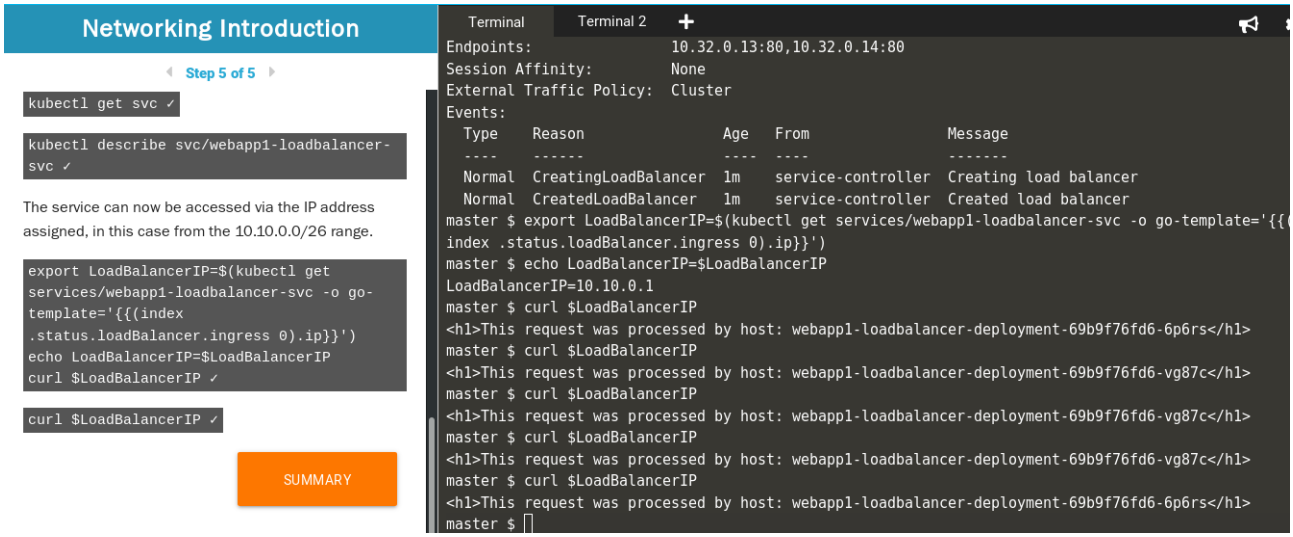




Modificando el número de replicas a 4:

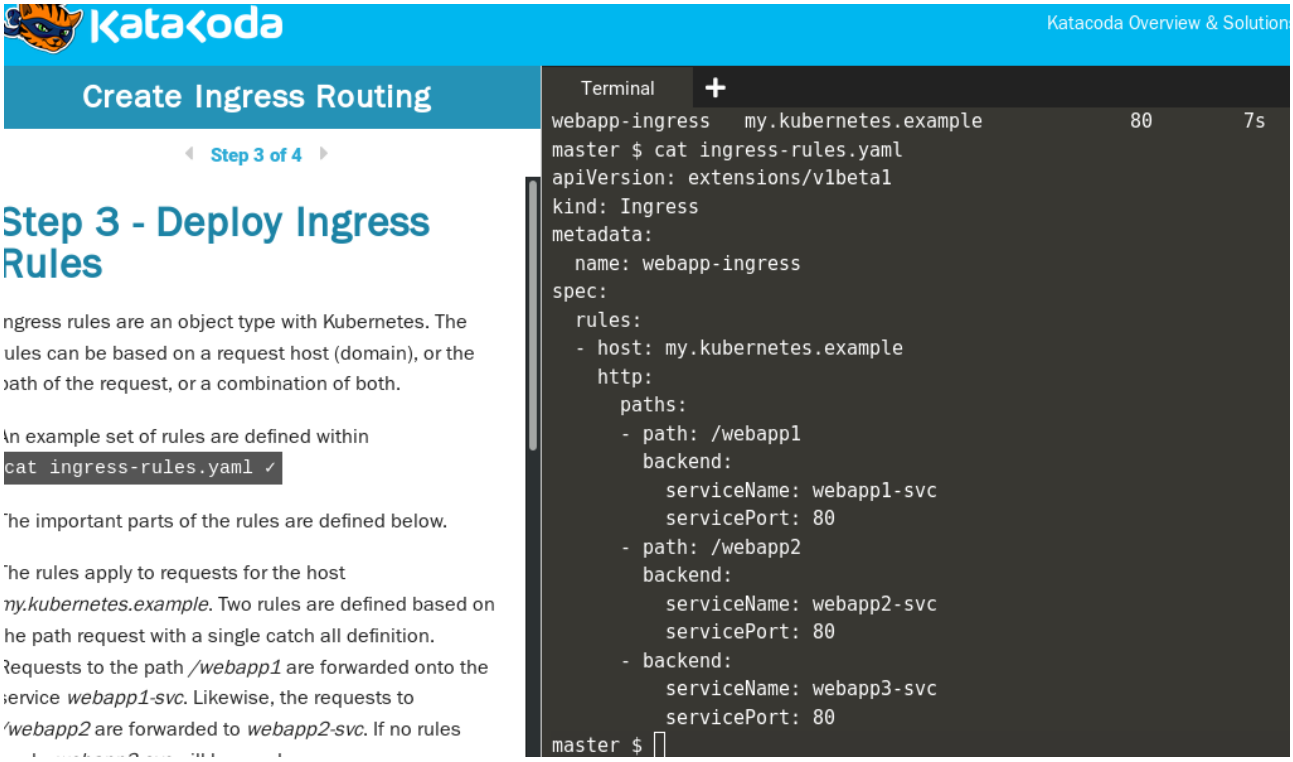
Kubernetes - Networking Introduction
II.d) Captura donde aparece personalizado el NodePort.

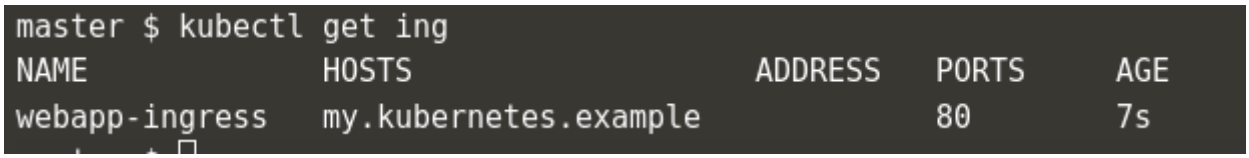


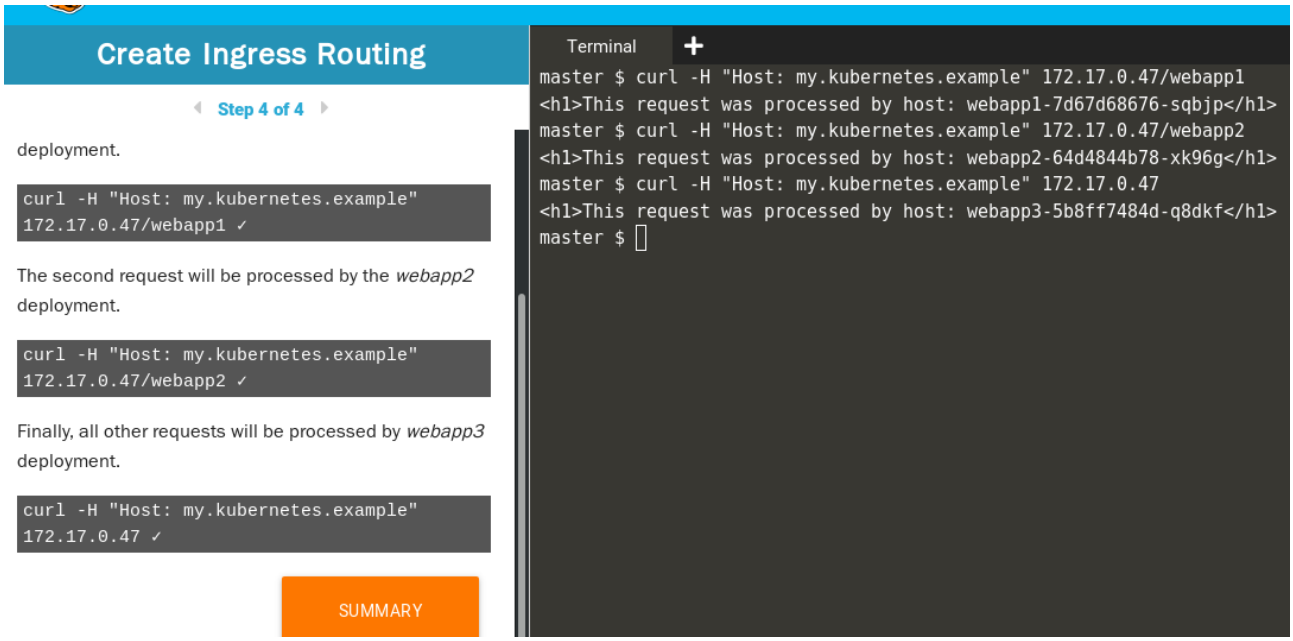


Create Ingress Routing

II.e) Captura donde personalizamos el enrutamiento de nivel 4.

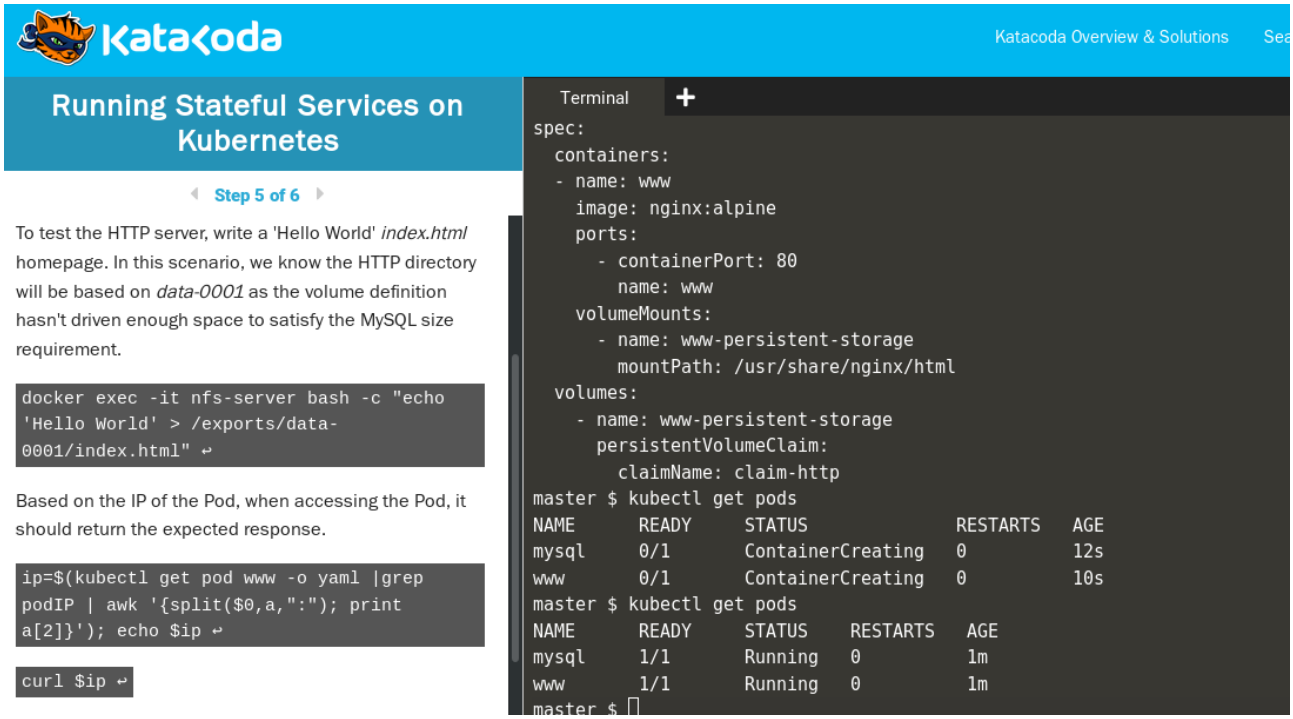




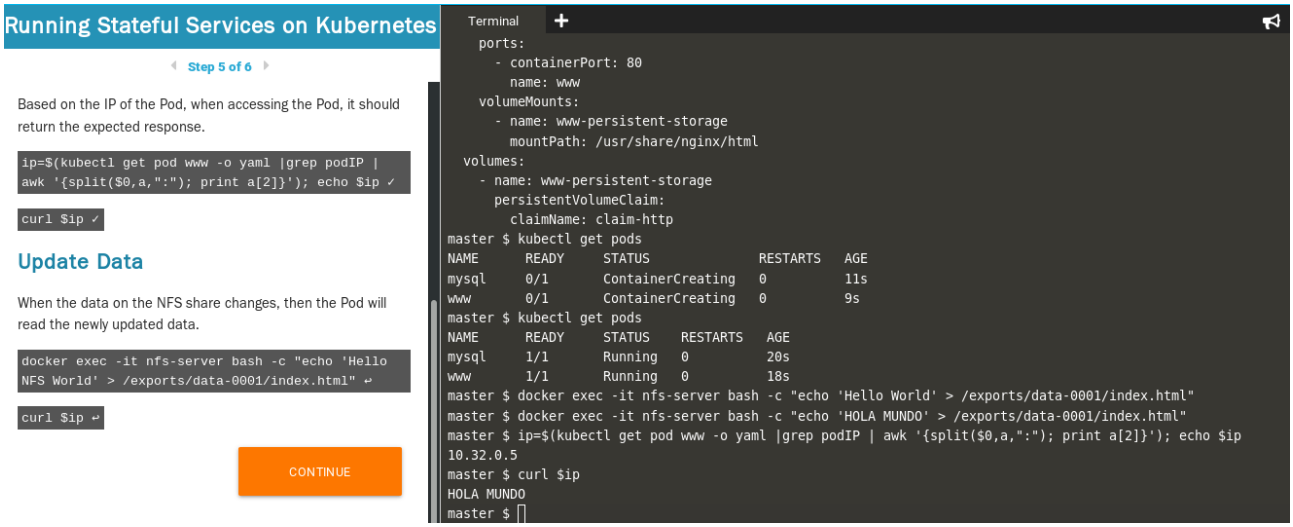


Running Stateful Services on Kubernetes

II.f) Captura donde personalizamos el mensaje de salida en el almacenamiento persistente.

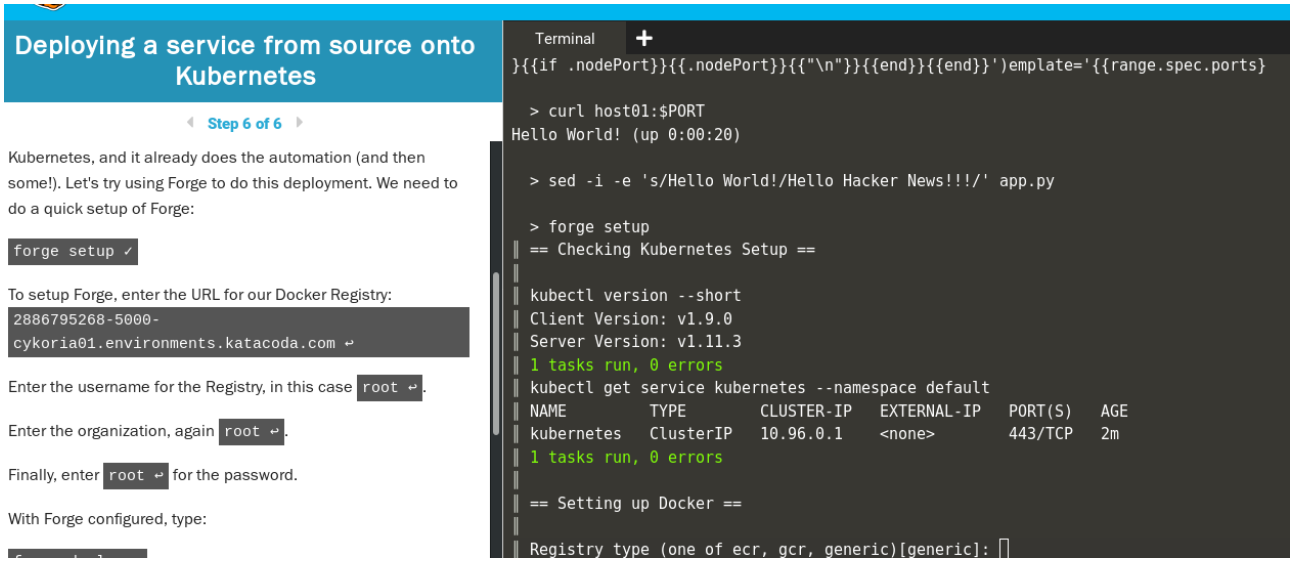


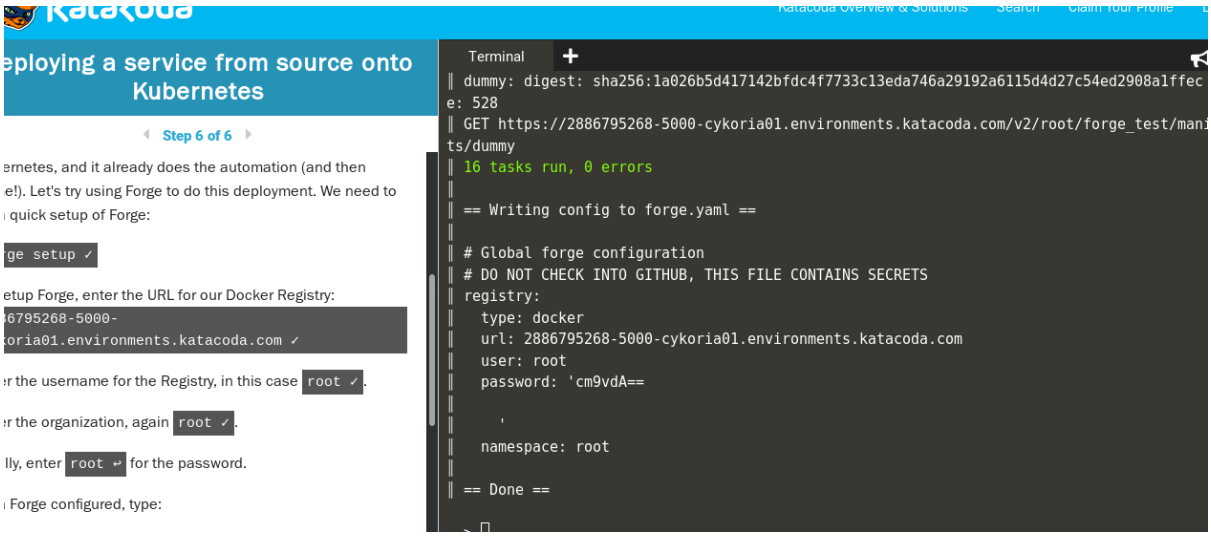
Modificando el “HOLA MUNDO”.

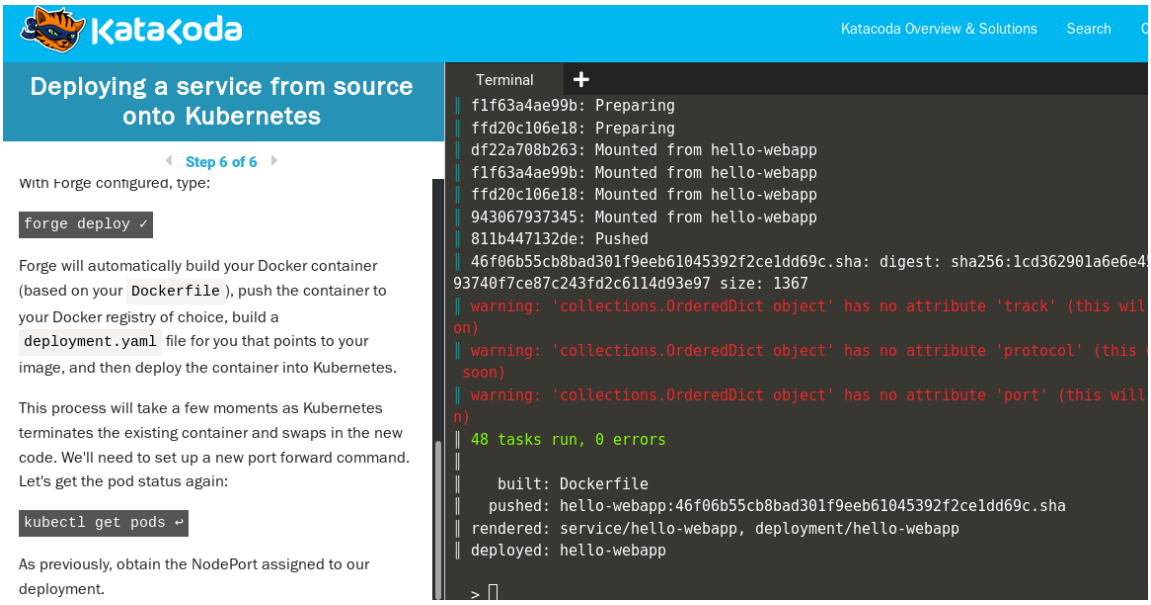


Deploying a service from source onto Kubernetes

II.g) Captura de la ejecución de la automatización con forge




eploying a service from source onto Kubernetes
Step 6 of 6
ernetes, and it already does the automation (and then
e!). Let's try using Forge to do this deployment. We need to
quick setup of Forge:
ge setup ✓
etup Forge, enter the URL for our Docker Registry:
6795268-5000-
oria01.environments.katacoda.com ✓
r the username for the Registry, in this case root ✓.
r the organization, again root ✓.
lly, enter root ↵ for the password.
Forge configured, type:
Terminal
dummy: digest: sha256:1a026b5d417142bfdc4f7733c13eda746a29192a6115d4d27c54ed2908a1ffec
e: 528
GET https://2886795268-5000-cykoria01.environments.katacoda.com/v2/root/forge_test/mani
ts/dummy
16 tasks run, 0 errors
== Writing config to forge.yaml ==
Global forge configuration
DO NOT CHECK INTO GITHUB, THIS FILE CONTAINS SECRETS
registry:
type: docker
url: 2886795268-5000-cykoria01.environments.katacoda.com
user: root
password: 'cm9vdA=='
'
namespace: root
== Done ==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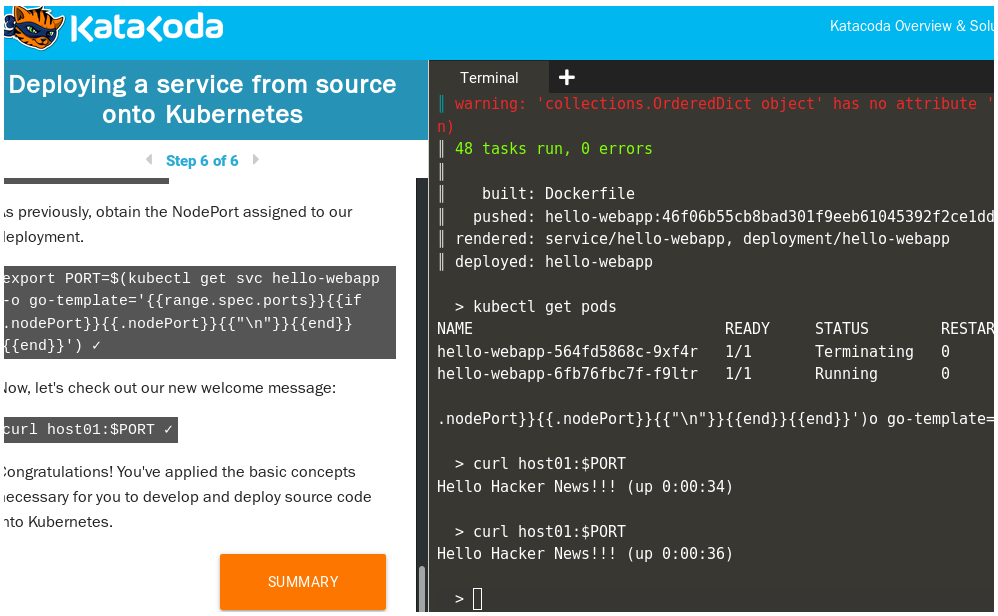
Deploying a service from source onto Kubernetes
Step 6 of 6
With Forge configured, type:
forge deploy ✓
Forge will automatically build your Docker container (based on your Dockerfile), push the container to your Docker registry of choice, build a deployment.yaml file for you that points to your image, and then deploy the container into Kubernetes.
This process will take a few moments as Kubernetes terminates the existing container and swaps in the new code. We'll need to set up a new port forward command. Let's get the pod status again:
kubectl get pods ↵
As previously, obtain the NodePort assigned to our deployment.
Terminal
f1f63a4ae99b: Preparing
ffd20c106e18: Preparing
df22a708b263: Mounted from hello-webapp
f1f63a4ae99b: Mounted from hello-webapp
ffd20c106e18: Mounted from hello-webapp
943067937345: Mounted from hello-webapp
811b447132de: Pushed
46f06b55cb8bad301f9eeb61045392f2ce1dd69c.sha: digest: sha256:1cd362901a6e6e4
93740f7ce87c243fd2c6114d93e97 size: 1367
warning: 'collections.OrderedDict object' has no attribute 'track' (this wil
on)
warning: 'collections.OrderedDict object' has no attribute 'protocol' (this
soon)
warning: 'collections.OrderedDict object' has no attribute 'port' (this will
n)
48 tasks run, 0 errors
built: Dockerfile
pushed: hello-webapp:46f06b55cb8bad301f9eeb61045392f2ce1dd69c.sha
rendered: service/hello-webapp, deployment/hello-webapp
deployed: hello-webapp


Katacoda
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Deploying a service from source onto Kubernetes
Step 6 of 6
s previously, obtain the NodePort assigned to our
eployment.
export PORT=$(kubectl get svc hello-webapp
-o go-template='{{range.spec.ports}}{{if
.nodePort}}{{.nodePort}}{{"\n"}}{{end}}
{{end}}') ✓
low, let's check out our new welcome message:
curl host01:$PORT ✓
ongratulations! You've applied the basic concepts
ecessary for you to develop and deploy source code
nto Kubernetes.
SUMMARY
Terminal
warning: 'collections.OrderedDict object' has no attribute '
n)
48 tasks run, 0 errors
built: Dockerfile
pushed: hello-webapp:46f06b55cb8bad301f9eeb61045392f2ce1dd
rendered: service/hello-webapp, deployment/hello-webapp
deployed: hello-webapp
> kubectl get pods
NAME READY STATUS RESTAR
hello-webapp-564fd5868c-9xf4r 1/1 Terminating 0
hello-webapp-6fb76fbc7f-f9ltr 1/1 Running 0
.nodePort}}{{.nodePort}}{{"\n"}}{{end}}{{end}}')o go-template=
> curl host01:$PORT
Hello Hacker News!!! (up 0:00:34)
> curl host01:$PORT
Hello Hacker News!!! (up 0:00:36)