



# Intro Lab

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# Lab – Create a Web Server in Kerbernetes

# Lab

- Connect to your lab environment
  - Ssh to your assigned IP
    - Username: ubuntu
    - Password: LinuxFoundation!

# Create a template file

- Create a text file named nginx.yaml

- Contents of the file:

```
apiVersion: v1
```

```
kind: Pod
```

```
metadata:
```

```
  name: nginx
```

```
spec:
```

```
  containers:
```

```
  - image: nginx
```

```
    imagePullPolicy: Always
```

```
    name: nginx
```

# Launch the pod

- Launch:
  - `kubectl create -f nginx.yaml`
- Examine the pod:
  - `kubectl get pod`
- Get more information:
  - `kubectl describe pod nginx`

# Test the web server

- Find the server IP:
  - `kubectl describe pod nginx | grep IP`
- Test the webserver
  - `curl http://<IP from previous step>`
    - Output should be the default nginx server page.

# Look at what kubernetes provides:

- `kubectl get pod --all-namespaces`

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    - Third level
      - Fourth level
        - » Fifth level