

## CONFIGURATION (18%)

The recommend time for this section is **21,6 minutes** or less.

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1. Create a configmap named config with values foo=lala,foo2=lolo

2. Display its values

3. Create and display a configmap from a file

Create the file with

```
echo -e "foo3=lili\nfoo4=lele" > config.txt
```

4. Create and display a configmap from a .env file

Create the file with the command

```
echo -e "var1=val1\n# this is a comment\n\nvar2=val2\n#anothercomment" > config.env
```

5. Create and display a configmap from a file, giving the key 'special'

Create the file with `echo -e "var3=val3\nvar4=val4" > config4.txt`

6. Create a configMap called 'options' with the value var5=val5. Create a new nginx pod that loads the value from variable 'var5' in an env variable called 'option'

7. Create a configMap 'anotherone' with values 'var6=val6', 'var7=val7'. Load this configMap as env variables into a new nginx pod

8. Create a configMap 'cmvolume' with values 'var8=val8', 'var9=val9'. Load this as a volume inside an nginx pod on path '/etc/lala'. Create the pod and 'ls' into the '/etc/lala' directory.

9. Create the YAML for an nginx pod that runs with the user ID 101. No need to create the pod

10. Create the YAML for an nginx pod that has the capabilities "NET\_ADMIN", "SYS\_TIME" added on its single container

12. Create an nginx pod with requests cpu=100m,memory=256Mi and limits cpu=200m,memory=512Mi

15. Create a secret called mysecret with the values password=mypass

16. Create a secret called mysecret2 that gets key/value from a file

For this, first create the file called username with the value admin:

```
echo -n admin > username
```

17. Get the value of mysecret2

18. Create an nginx pod that mounts the secret mysecret2 in a volume on path /etc/foo

19. Delete the pod you just created and mount the variable 'username' from secret mysecret2 onto a new nginx pod in env variable called 'USERNAME'

20. See all the service accounts of the cluster in all namespaces

21. Create a new serviceaccount called 'myuser'

22. Create an nginx pod that uses 'myuser' as a service account