

Name : Anosh

Employee ID:206289

Devops Assignment

UBUNTU COMMANDS:

```
This message is shown once a day. To disable it please create the
/home/enosh/.hushlogin file.
enosh@LAPTOP-9T5BEIDD:~$ pwd
/home/enosh
enosh@LAPTOP-9T5BEIDD:~$ mkdir devops
enosh@LAPTOP-9T5BEIDD:~$ cd devops
enosh@LAPTOP-9T5BEIDD:~/devops$ pwd
/home/enosh/devops
enosh@LAPTOP-9T5BEIDD:~/devops$ touch file1.txt
enosh@LAPTOP-9T5BEIDD:~/devops$ echo "i am anosh" > file1.txt
enosh@LAPTOP-9T5BEIDD:~/devops$ cat file1.txt
i am anosh
enosh@LAPTOP-9T5BEIDD:~/devops$ touch file2.txt
enosh@LAPTOP-9T5BEIDD:~/devops$ cp file1.txt home/enosh/devops/file2.txt
cp: cannot create regular file 'home/enosh/devops/file2.txt': No such file or directory
enosh@LAPTOP-9T5BEIDD:~/devops$ cp file1.txt home/enosh/devops/file2
cp: cannot stat 'file1.txt': No such file or directory
enosh@LAPTOP-9T5BEIDD:~/devops$ cp file1 home/enosh/devops/file2
cp: cannot stat 'file1': No such file or directory
enosh@LAPTOP-9T5BEIDD:~/devops$ cp file1.txt home/enosh/devops/file2
cp: cannot create regular file 'home/enosh/devops/file2': No such file or directory
enosh@LAPTOP-9T5BEIDD:~/devops$ ls
file1.txt file2.txt
enosh@LAPTOP-9T5BEIDD:~/devops$ sudo adduser devops_person
[sudo] password for enosh:
Adding user 'devops_person' ...
Adding new group 'devops_person' (1012) ...
Adding new user 'devops_person' (1011) with group 'devops_person' ...
Creating home directory '/home/devops_person' ...
Copying files from '/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for devops_person
Enter the new value, or press ENTER for the default
Name: devops_person
enosh@LAPTOP-9T5BEIDD:~/devops$ su devops_person
Password:
devops_person@LAPTOP-9T5BEIDD:~/devops$ mkdir new folder
mkdir: cannot create directory 'new': Permission denied
mkdir: cannot create directory 'folder': Permission denied
devops_person@LAPTOP-9T5BEIDD:~/devops$ mkdir newfolder
mkdir: cannot create directory 'newfolder': Permission denied
devops_person@LAPTOP-9T5BEIDD:~/devops$ chmod rwx devops_person
chmod: invalid mode: 'rwx'
Try 'chmod --help' for more information.
devops_person@LAPTOP-9T5BEIDD:~/devops$ nano newfile.txt
devops_person@LAPTOP-9T5BEIDD:~/devops$ su enosh
Password:
enosh@LAPTOP-9T5BEIDD:~/devops$ nano newfile
enosh@LAPTOP-9T5BEIDD:~/devops$ cat newfile
name=enosh
course=devops
enosh@LAPTOP-9T5BEIDD:~/devops$ rm file2.txt
enosh@LAPTOP-9T5BEIDD:~/devops$ ls
file1.txt newfile
enosh@LAPTOP-9T5BEIDD:~/devops$ find -type d -name "d*"
enosh@LAPTOP-9T5BEIDD:~/devops$ find . -type d -name "d*"
enosh@LAPTOP-9T5BEIDD:~/devops$ cd ..
enosh@LAPTOP-9T5BEIDD:~$ find . -type d -name "d*"
./devops
./devopsrole
./devopsrole/defaults
./enosh-playbook/install-tomcat/defaults
./enosh-playbook/start-tomcat/defaults
enosh@LAPTOP-9T5BEIDD:~$ free
              total        used        free      shared  buff/cache   available
Mem:            8123000      686384      937264       17720      229352      1032884
Swap:            2516304       110892      2405592
enosh@LAPTOP-9T5BEIDD:~$ uptime
 09:36:06 up 10 min,  0 users,  load average: 0.00, 0.00, 0.00
enosh@LAPTOP-9T5BEIDD:~$ df
filesystem            1K-blocks      Used Available Use% Mounted on
rootfs                209777660 106442708 103334952  51% /
none                  209777660 106442708 103334952  51% /dev
none                  209777660 106442708 103334952  51% /run
none                  209777660 106442708 103334952  51% /run/lock
none                  209777660 106442708 103334952  51% /run/shm
none                  209777660 106442708 103334952  51% /run/user
tmpfs                 209777660 106442708 103334952  51% /sys/fs/cgroup
c:\                    209777660 106442708 103334952  51% /mnt/c
D:\                    383180796  109144  383071652   1% /mnt/d
E:\                    382974972  109132  382865840   1% /mnt/e
enosh@LAPTOP-9T5BEIDD:~$ man df
enosh@LAPTOP-9T5BEIDD:~$ df -ah
filesystem      Size  Used Avail Use% Mounted on
rootfs          201G  102G   99G   51% /
none            201G  102G   99G   51% /dev
sysfs            0     0     0    -  /sys
proc            0     0     0    -  /proc
devpts          0     0     0    -  /dev/pts
none            201G  102G   99G   51% /run
none            201G  102G   99G   51% /run/lock
none            201G  102G   99G   51% /run/shm
none            201G  102G   99G   51% /run/user
binfmt_misc     0     0     0    -  /proc/sys/fs/binfmt_misc
tmpfs           201G  102G   99G   51% /sys/fs/cgroup
cgroup          0     0     0    -  /sys/fs/cgroup/devices
c:\             201G  102G   99G   51% /mnt/c
D:\             366G  107M  366G   1% /mnt/d
E:\             366G  107M  366G   1% /mnt/e
enosh@LAPTOP-9T5BEIDD:~$
```

PYTHON:

```

enosh@LAPTOP-9T5BEIDD:~$ python3
Python 3.8.10 (default, Jun  2 2021, 10:49:15)
[GCC 9.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> "hello"
'hello'
>>> 234/4
58.5
>>> name="enosh"
>>> no=123
>>> city="vij"
>>> print(name,no,city)
enosh 123 vij

```

```

SyntaxError: invalid syntax
>>> if(1<10):
... print("good")
    File "<stdin>", line 2
        print("good")
        ^
IndentationError: expected an indented block
>>> if(1<10):
...     print("good")
... else:
...     print("bad")
... ed
    File "<stdin>", line 5
        ed
        ^
SyntaxError: invalid syntax
>>> f=[1,2,34,5]
>>> pirnt(f[2])
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'pirnt' is not defined
>>> print(f[2])

```

```

SyntaxError: invalid syntax
>>> f=[1,2,34,5]
>>> pirnt(f[2])
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'pirnt' is not defined
>>> print(f[2])
34
>>> name=input("Enter name")
Enter name enosh
>>> print(name)
enosh
>>> def hello(n,m):
...     if(n>m):
...         print("Good")
...     else:
...         print("Bad")
...
>>> hello(1,2)
Bad
>>> hello(99,89)
Good
>>> class product:
...     def set(self,name):
...         self.name=name
...     def get(self):
...         print(self.name)

```

```

...         print( 'Bad' )
...
>>> hello(1,2)
Bad
>>> hello(99,89)
Good
>>> class product:
...     def set(self,name):
...         self.name=name
...     def get(self):
...         print(self.name)
...
>>> obj=product()
>>> obj.set("enosh")
>>> obj.get()
enosh
>>> print(sqrt(64))
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'sqrt' is not defined
>>> from math import *
>>> print(pow(6,2))
36.0
>>> print(sqrt(64))
8.0
>>> print(round(12.456))
12
>>> print(floor(34.6789))
34
>>> print(ceil(23.56))
24
>>>

```

ANSIBLE:

```

enosh@LAPTOP-9T5BEIDD:~$ ansible all -m ping --ask-all
usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME_METHOD]
               [--become-user BECOME_USER] [-k] [-i INVENTORY]
               [--list-hosts] [-l SUBSET] [-P POLL_INTERVAL] [-B SECONDS]
               [-o] [-t TREE] [-k] [--private-key PRIVATE_KEY_FILE]
               [-u REMOTE_USER] [-c CONNECTION] [-T TIMEOUT]
               [--ssh-common-args SSH_COMMON_ARGS]
               [--sftp-extra-args SFTP_EXTRA_ARGS]
               [--scp-extra-args SCP_EXTRA_ARGS]
               [--ssh-extra-args SSH_EXTRA_ARGS] [-C] [--syntax-check] [-D]
               [-e EXTRA_VARS] [--vault-id VAULT_IDS]
               [--ask-vault-password | --vault-password-file VAULT_PASSWORD_F
IFS1

```

```

enosh@LAPTOP-9T5BEIDD:~$ bash --version
GNU bash, version 5.0.17(1)-release (x86_64-pc-linux-gnu)
Copyright (C) 2019 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>

```

```

enosh@LAPTOP-9T5BEIDD:~$ ansible --version
ansible [core 2.11.7]
  config file = /etc/ansible/ansible.cfg
  configured module search path = ['/home/enosh/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  ansible collection location = /home/enosh/.ansible/collections:/usr/share/ansible/collections
  executable location = /usr/bin/ansible
  python version = 3.8.10 (default, Jun 2 2021, 10:49:15) [GCC 9.4.0]
  jinja version = 2.10.1
  libyaml = True
enosh@LAPTOP-9T5BEIDD:~$ ansible -galaxy -h

```

```

mosh@LAPTOP-9T5BEIDD:~$ ansible-galaxy init --force --offline hprole
- Role hprole was created successfully
mosh@LAPTOP-9T5BEIDD:~$ tree hprole/
hprole/
├── README.md
├── defaults
│   └── main.yml
├── files
├── handlers
│   └── main.yml
├── meta
│   └── main.yml
├── tasks
│   └── main.yml
├── templates
├── tests
│   ├── inventory
│   └── test.yml
├── vars
│   └── main.yml

```

SHELL SCRIPTING:

```
enosh@LAPTOP-9T5BEIDD:~$ echo $SHELL
/bin/bash
enosh@LAPTOP-9T5BEIDD:~$ echo hello worls
hello worls
enosh@LAPTOP-9T5BEIDD:~$ nano bash.sh
enosh@LAPTOP-9T5BEIDD:~$ chmod +x bash.sh
enosh@LAPTOP-9T5BEIDD:~$ ./bash.sh
enosh vijayawada
enosh@LAPTOP-9T5BEIDD:~$
```

GIT:

```
Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\HP\OneDrive\Desktop\Devops> git status
On branch master
nothing to commit, working tree clean
PS C:\Users\HP\OneDrive\Desktop\Devops> git add status.txt
fatal: pathspec 'status.txt' did not match any files
PS C:\Users\HP\OneDrive\Desktop\Devops> git add file1.txt
PS C:\Users\HP\OneDrive\Desktop\Devops> git commit
On branch master
```

[illegible]

```
Resolving deltas: 100% (837/837), done.
PS C:\Users\HP\OneDrive\Desktop\Devops> cd .\ticgit\
PS C:\Users\HP\OneDrive\Desktop\Devops\ticgit> git remote
origin
PS C:\Users\HP\OneDrive\Desktop\Devops\ticgit> git fetch pb
fatal: 'pb' does not appear to be a git repository
fatal: Could not read from remote repository.
```

```
Please make sure you have the correct access rights
and the repository exists.
PS C:\Users\HP\OneDrive\Desktop\Devops\ticgit> git branch
* master
```

```

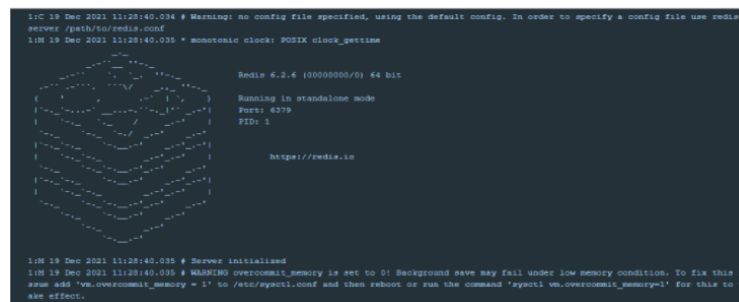
57), 244.01 KiB | 448.00 KiBReceiving objects: 100% (1857/1857), 244.01 KiB | 448.0
Resolving deltas: 100% (837/837), done.
PS C:\Users\HP\OneDrive\Desktop\Devops> cd .\ticgit\
PS C:\Users\HP\OneDrive\Desktop\Devops\ticgit> git remote
origin
PS C:\Users\HP\OneDrive\Desktop\Devops\ticgit> git fetch pb
fatal: 'pb' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
PS C:\Users\HP\OneDrive\Desktop\Devops\ticgit> git branch
* master
PS C:\Users\HP\OneDrive\Desktop\Devops\ticgit> git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
PS C:\Users\HP\OneDrive\Desktop\Devops\ticgit>

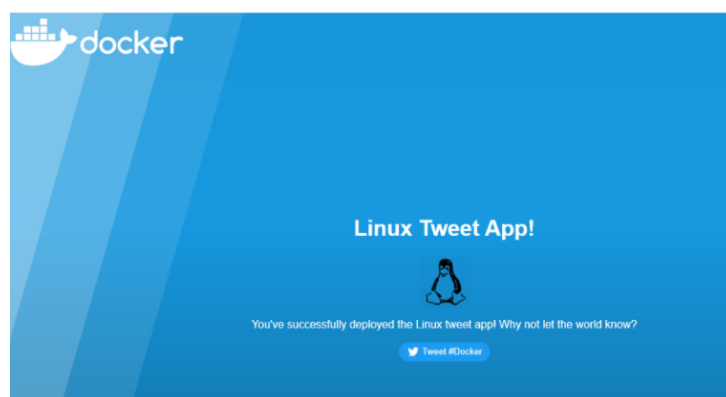
```

DOCKER:



8247498654 / **linux_tweet_app**
Updated 13 days ago

Not Scanned ☆ 0 18 Public



Play with Docker classroom

```
docker image build --tag $DOCKERID/linux_tweet_app:2.0 .
```

Notice how fast that built! This is because Docker only modified the portion of the image that changed vs. rebuilding the whole image.

2. Let's look at the images on the system.

```
docker image ls
```

You now have both versions of the web app on your host.

REPOSITORY	TAG	IMAGE ID	CREATED
<docker id>/linux_tweet_app	2.0	01612e05312b	16 seconds a
go	108MB		
<docker id>/linux_tweet_app	1.0	bb32b5783cd3	4 minutes ag
o	108MB		
mysql	latest	b4e78b89bcf3	2 weeks ago
412MB			
ubuntu	latest	2d696327ab2e	2 weeks ago
122MB			
nginx	latest	da5939581ac8	3 weeks ago
108MB			
alpine	latest	76da55c8019d	3 weeks ago
3.97MB			

About

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the window.

```
$ docker rm --force linux_tweet_app
docker rm --force linux_tweet_app
linux_tweet_app
[node1] (local) root@192.168.0.13 ~/linux_tweet_app
$ docker rm --force linux_tweet_app
Error: No such container: linux_tweet_app
[node1] (local) root@192.168.0.13 ~/linux_tweet_app
$ docker image build --tag $DOCKERID/linux_tweet_app:2.0 .
Sending build context to Docker daemon 92.16kB
Step 1/5 : FROM nginx:latest
--> 605c77e624dd
Step 2/5 : COPY index.html /usr/share/nginx/html
--> 6d3c16a1bde9
Step 3/5 : COPY linux.png /usr/share/nginx/html
--> 9972e9b02f74
Step 4/5 : EXPOSE 80 443
--> Running in 0f5c0be85493
Removing intermediate container 0f5c0be85493
--> 58dd00708320
Step 5/5 : CMD ["nginx", "-g", "daemon off;"]
--> Running in 8057880e66c4
```

docker build automated

[f](#) [t](#) [v](#)

Play with Docker classroom

```
docker image build --tag $DOCKERID/linux_tweet_app:2.0 .
```

Notice how fast that built! This is because Docker only modified the portion of the image that changed vs. rebuilding the whole image.

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REPOSITORY	TAG	IMAGE ID	CREATED
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o	108MB		
mysql	latest	b4e78b89bcf3	2 weeks ago
412MB			
ubuntu	latest	2d696327ab2e	2 weeks ago
122MB			
nginx	latest	da5939581ac8	3 weeks ago
108MB			
alpine	latest	76da55c8019d	3 weeks ago
3.97MB			

About

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
Removing intermediate container 8057880e66c4
--> 15b1769d19ad
Successfully built 15b1769d19ad
Successfully tagged 9656562186/linux_tweet_app:2.0
[node1] (local) root@192.168.0.13 ~/linux_tweet_app
$ docker image ls
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
9656562186/linux_tweet_app  2.0          15b1769d19ad      2 seconds ago    142MB
9656562186/linux_tweet_app  1.0          cd976c0d34b9      59 seconds ago   142MB
ubuntu               latest       d13c942271d6      27 hours ago     72.4MB
nginx                 latest       605c77e624dd      9 days ago       141MB
mysql                 latest       3218b38490ce      2 weeks ago      516MB
alpine                latest       c059bf8aa849c     6 weeks ago      5.5MB
$
```

docker build automated

[f](#) [t](#) [v](#)

Play with Docker classroom

412MB	ubuntu	latest	2d696327ab2e	2 weeks ago
122MB	nginx	latest	da5939581ac8	3 weeks ago
108MB	alpine	latest	76da55c8019d	3 weeks ago
3.97MB				

Test the new version

1. Run a new container from the new version of the image.

```
docker container run \
--detach \
--publish 80:80 \
--name linux_tweet_app \
$DOCKERID/linux_tweet_app:2.0
```

2. Check the new version of the [website](#) (You may need to refresh your browser to get the new version to load).

The web page will have an orange background.

We can run both versions side by side. The only thing we need to be aware of is that we cannot have two containers using port 80 on the same host.

About

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
9656562186/linux_tweet_app  2.0          15b1769d19ad      2 seconds ago    142MB
9656562186/linux_tweet_app  1.0          cd976c0d34b9      59 seconds ago   142MB
ubuntu                     latest       d13c942271d6      27 hours ago     72.4MB
nginx                       latest       605c77e624dd      9 days ago       141MB
mysql                       latest       3218b38490ce      2 weeks ago      516MB
alpine                      latest       c059bf8aa849c     6 weeks ago      5.5MB
$
[node1] (local) root@192.168.0.13 ~/linux_tweet_app
$ docker container run \
> --detach \
> --publish 80:80 \
> --name linux_tweet_app \
> $DOCKERID/linux_tweet_app:2.0
99a344b3d0c3f179c123352ed21d76aaf7b518eb06ebda467555eae2fb9edd6
[node1] (local) root@192.168.0.13 ~/linux_tweet_app
$
```

docker build automated

[f](#) [t](#) [v](#)



Linux Tweet App!



You've successfully deployed the Linux tweet app! Why not let the world know?

[Tweet #Docker](#)

Containers / Apps

Images

Volumes

Dev Environments [PREVIEW](#)

Search...



upbeat_tereshkova [docker/getting-...](#)
RUNNING PORT: 80



mystifying_hodgkin [8247498654/get...](#)
CREATED PORT: 80



zealous_antonelli [8247498654/get...](#)
RUNNING PORT: 3000

8247498654 / **getting-started**
Updated 9 days ago

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0

30

Public

New Item

Add Item

☐ HI there



☐ devops course



☐ javascript



Images

Volumes

Environments PREVIEW

NAME ↑	CREATED	SIZE
6604be42e2961c528dd094c0a9c91a3267086b3de7815da72bb717912eb4...	10 days ago	8 kB
7919b4859018dcd6f468acca7eb2e7a1b4c4d488ec640ea449ded49689b3b...	18 days ago	195.9 MB
app_todo-mysql-data	9 days ago	210.2 MB
cb7adef616d7ec9e7f09dfec25653973256338269aafc3112b7c58a0f53b387	10 days ago	8 kB
eefae9fcd56302ea08c35872da9927551f9bcb8b5a4ccaa79370ed4713af1...	26 days ago	10.4 MB
pwd	10 days ago	20 kB
todo-db	11 days ago	16 kB
todo-mysql-data	9 days ago	210.2 MB

```
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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show database;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'database' at line 1
mysql> SHOW DATABASES;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATABASES' at line 1
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
| todos |
+-----+
5 rows in set (0.01 sec)

mysql>
```


Images

Volumes

Dev Environments PREVIEW

NAME ↑	CREATED	SIZE
6604be42e2961c528dd094c0a9c91a3267086b3de7815da72bb717912...	10 days ago	8 kB
7919b4859018dcd6f468acca7eb2e7a1b4c4d488ec640ea449ded49689...	18 days ago	195.9 MB
app_todo-mysql-data	9 days ago	210.2 MB
cb7adef616d7ec9e7f09dfec25653973256338269aafc3112b7c58a0f53...	10 days ago	8 kB
eefae9fcd56302ea08c35872da9927551f9bcb8b5a4ccaa79370ed471...	26 days ago	10.4 MB
pwd	10 days ago	20 kB
todo-db	11 days ago	16 kB
todo-mysql-data	IN USE 9 days ago	210.2 MB


<


 todo-mysql-data

In use by 1 container

IN USE

DATA

CONTAINER NAME	IMAGE	PORT	TARGET
 upbeat_hofstadter	mysql:5.7	--	/var/lib/mys

 docker



Containers / Apps

Images


Volumes


Dev Environments PREVIEW

Upgrade





<

 todo-mysql-data







IN USE

DATA

CONTAINER NAME	IMAGE	PORT
 upbeat_hofstadter	mysql:5.7	--
 cool_poincare	mysql:5.7	--

master 4 branches 2 tags

This branch is 17 commits ahead of usha-mandya:master.





















Enoshkumar123 Update main.yml	
 .github/workflows	Update main.yml
 static	Updating lang
 Dockerfile	Update dockerfile
 README.md	Update commands to test run



README.md

All workflows

Showing runs from all workflows

🔍 Filter workflow runs

22 workflow runs	Event ▾	Status ▾	Branch ▾	Actor ▾
 Update main.yml CI #5: Commit 39950d8 pushed by Enoshkumar123		 master	 3 days ago  33s	...
 Update demofile CI #4: Commit 5e62040 pushed by Enoshkumar123		 master	 3 days ago  18s	...
 DEMO1 CI #3: Commit 5a138eb pushed by Enoshkumar123		 master	 3 days ago  17s	...
 Create optimization CI #2: Commit 6aca3c4 pushed by Enoshkumar123		 master	 3 days ago  17s	...
 Create main.yml CI #1: Commit af9714b pushed by Enoshkumar123		 master	 3 days ago  16s	...

Repository secrets			
	DOCKER_HUB_ACCESS_TOKEN	Updated 3 days ago	<button>Update</button> <button>Remove</button>
	DOCKER_HUB_USERNAME	Updated 3 days ago	<button>Update</button> <button>Remove</button>

8247498654 / simplewhale
Updated 3 days ago

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 0
 15
 Public

KUBERNETES:

```

File Edit Selection View Go Run ... pod.yaml - Kubernetes
Get Started ! pod.yaml x ! bb.yaml
! pod.yaml
1  apiVersion: v1
2  kind: Pod
3  metadata:
4    name: demo
5  spec:
6    containers:
7    - name: testpod
8      image: alpine:3.5
9      command: ["ping", "8.8.8.8"]

```

```

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\Kubernetes> kubectl apply -f pod.yaml
pod/demo created
PS D:\Kubernetes> kubectl get pods
NAME    READY   STATUS    RESTARTS   AGE
demo    1/1     Running   0           2m41s
PS D:\Kubernetes> kubectl delete -f pod.yaml
pod "demo" deleted

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE powershell + v

```
PS D:\Kubernetes> kubectl apply -f pod.yaml
pod/demo created
PS D:\Kubernetes> kubectl get pods
demo 1/1 Running 0 2m41s
PS D:\Kubernetes> kubectl delete -f pod.yaml
pod "demo" deleted
PS D:\Kubernetes> docker swarm init
swarm leave" to leave this swarm and join another one.
PS D:\Kubernetes> docker swarm join --token
flag needs an argument: --token
See 'docker swarm join --help'.
PS D:\Kubernetes> docker service create --name demo alpine:3.5 p
w08921quynfltsk16fzcmY56
overall progress: 1 out of 1 tasks
1/1: running
verify: Service converged
```

```
Get Started  ! pod.yaml  ! bb.yaml  X

! bb.yaml
1  apiVersion: apps/v1
2  kind: Deployment
3  ∨ metadata:
4    name: bb-demo
5    namespace: default
6  ∨ spec:
7    replicas: 1
8    ∨ selector:
9      ∨ matchLabels:
10       bb: web
11   ∨ template:
12     ∨ metadata:
13       ∨ labels:
14         bb: web
15     ∨ spec:
16       ∨ containers:
17         - name: bb-site
18           image: 8247498654/getting-started
19   ---
20   apiVersion: v1
21   kind: Service
22   ∨ metadata:
23     name: bb-entriypoint
24     namespace: default
25   ∨ spec:
26     type: NodePort
27     ∨ selector:
28       bb: web
29     ports:
30     ∨ - port: 3000
```

```
g about a minute ago
PS D:\Kubernetes> docker service rm demo
demo
PS D:\Kubernetes> kubectl apply -f bb.yaml
service/bb-entriypoint created
PS D:\Kubernetes> kubectl get deployments
NAME      READY   UP-TO-DATE   AVAILABLE   AGE
bb-demo   0/1     1            0           17s
PS D:\Kubernetes> kubectl get deployments
NAME      READY   UP-TO-DATE   AVAILABLE   AGE
bb-demo   1/1     1            1           14m
PS D:\Kubernetes> kubectl get services
NAME      TYPE      CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
bb-entriypoint  NodePort   10.110.237.17    <none>        3000:30001/TCP   15m
kubernetes     ClusterIP  10.96.0.1        <none>        443/TCP          45h
PS D:\Kubernetes> kubectl delete -f bb.yaml
deployment.apps "bb-demo" deleted
service "bb-entriypoint" deleted
PS D:\Kubernetes>
```

New Item

Add Item

You have no todo items yet! Add one above!