```
admin@ip-10-0-1-230:~ × foderac@Fode:~/devops-livex × + ×

foderac@Fode:~$ cd devops-livecoding
foderac@Fode:~/devops-livecoding$ ssh -i ansible/id_rsa admin@fode.diedhiou.takima.cloud
Linux ip-10-0-1-230 6.1.0-26-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.112-1 (2024-09-30) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Dec 12 09:11:05 2024 from 209.206.8.34
admin@ip-10-0-1-230:~$
```

🐧 admin@ip-10-0-1-230: ~ X 🐧 foderac@Fode: ~/devops-live X + ~		×
foderac@Fode:~/devops-livecoding/ansible\$ ansible-playbook -i inventories/setup.yml playbook_docker.yml		
PLAY [all] ***********************************	****	
TASK [Gathering Facts] ************************************	****	
TASK [Install required packages] ************************************	****	
TASK [Add Docker GPG key] ************************************	****	
TASK [Add Docker APT repository] ************************************	****	
TASK [Install Docker] ************************************	****	
TASK [Install Python3 and pip3] ************************************	****	
TASK [Create a virtual environment for Docker SDK] ************************************	****	
TASK [Install Docker SDK for Python in virtual environment] ************************************	****	
TASK [Make sure Docker is running] ************************************	****	
PLAY RECAP ************************************	****	

foderac@Fode:~/devops-livecoding/ansible\$ ansible-galaxy init roles/docker
- Role roles/docker was created successfully

foderac@Fode:~/devops-livecoding/ansible\$ cd roles/docker
foderac@Fode:~/devops-livecoding/ansible/roles/docker\$ rm -rf defaults files meta templates vars

```
-/devops-livecoding/ansible/roles/docker$ ansible-galaxy init roles/install_docker
Foderac@Fode:~/devops-livecoding/ansible/roles/docker$ ansible-galaxy init roles/install_docker
- Role roles/install_docker was created successfully
Foderac@Fode:~/devops-livecoding/ansible/roles/docker$ ansible-galaxy init roles/create_network
- Role roles/create_network was created successfully
Foderac@Fode:~/devops-livecoding/ansible/roles/docker$ ansible-galaxy init roles/launch_database
- Role roles/launch_database was created successfully
Foderac@Fode:~/devops-livecoding/ansible/roles/docker$ ansible-galaxy init roles/launch_app
- Role roles/launch_app was created successfully
Foderac@Fode:~/devops-livecoding/ansible/roles/docker$ ansible-galaxy init roles/launch_proxy
- Role roles/launch_proxy was created successfully
```

foderac@Fode:~/devops-livecoding/ansible\$ ansible-play	ybook -i inventories/setu	p.yml playbook_docker	.yml					
PLAY [all] ***********************************	********	*******	******	******				
TASK [Gathering Facts] ************************************	********	********	*******	*****				
TASK [roles/docker/roles/install_docker : Install Dockok: [fode.diedhiou.takima.cloud]	ker] ************	******	*******	*****				
TASK [roles/docker/roles/install_docker : Ensure Docke ok: [fode.diedhiou.takima.cloud]	er service is running] **:	*******	*******	*****				
TASK [roles/docker/roles/create_network : Create Docke ok: [fode.diedhiou.takima.cloud]	er network] *********	******	******	*****				
TASK [roles/docker/roles/launch_database : Launch dataok: [fode.diedhiou.takima.cloud]	abase container] ******	******	******	*****				
TASK [roles/docker/roles/launch_app : Launch applicat: changed: [fode.diedhiou.takima.cloud]	ion container] ********	******	******	*****				
TASK [roles/docker/roles/launch_proxy : Launch proxy ochanged: [fode.diedhiou.takima.cloud]	container] **********	*******	******	*****				
TASK [Install required packages] ************************************	********	******	******	*****				
TASK [Add Docker GPG key] ************************************	*********	*******	*******	*****				
TASK [Add Docker APT repository] ************************************	*********	*******	*******	*****				
foderac@Fode:~/devops-livecoding/ansible\$ ansible-play	vhook -i inventories/setu	n vml nlavbook docker	vml					
PLAY [all] ***********************************				*****				
TASK [Gathering Facts] ************************************								
TASK [roles/docker/roles/install_docker : Install Dockok: [fode.diedhiou.takima.cloud]	ker] **********	*******	******	*****				
TASK [roles/docker/roles/install_docker : Ensure Dockeok: [fode.diedhiou.takima.cloud]								
TASK [roles/docker/roles/create_network : Create Dockeok: [fode.diedhiou.takima.cloud]	er network] *********	*******	******	*****				
TASK [roles/docker/roles/launch_database : Launch data ok: [fode.diedhiou.takima.cloud]	abase container] ******	******	*****	*****				
TASK [roles/docker/roles/launch_app : Launch application container] ************************************								
TASK [roles/docker/roles/launch_proxy : Launch proxy ochanged: [fode.diedhiou.takima.cloud]	container] **********	*******	*******	*****				
TASK [Install required packages] ************************************	*********	*******	*******	*****				
TASK [Add Docker GPG key] ************************************								
TASK [Add Docker APT repository] ************************************	**********	*********	**********	*****				
admin@ip-10-0-1-230:~\$ sudo docker ps								
CONTAINER ID IMAGE NAMES	COMMAND	CREATED	STATUS	PORTS				
4520b1986a81 foderac3/tp-devops-httpd:latest ->80/tcp my_proxy 685a53a1df70 foderac3/tp-devops-simple-api:latest	"httpd-foreground"	59 seconds ago	Up 34 seconds	0.0.0.0:80				
685a53a1df70 foderac3/tp-devops-simple-api:latest	"/bin/sh -c 'java -j"	About a minute ago	Up 9 seconds					

admin@ip-10-0-1-230:~\$ sudo docker ps				
CONTAINER ID IMAGE	COMMAND	CREATED	STATUS	PORTS
NAMES				
4520b1986a81 foderac3/tp-devops-httpd:latest	"httpd-foreground"	59 seconds ago	Up 34 seconds	0.0.0.0:80
->80/tcp my_proxy				
685a53a1df70 foderac3/tp-devops-simple-api:latest	"/bin/sh -c 'java -j"	About a minute ago	Up 9 seconds	
my_app				
0c56ab8d38c4 foderac3/tp-devops-database:latest	"docker-entrypoint.s"	About a minute ago	Up 34 seconds	5432/tcp
my_database				