

## Lab #6. Story\_app (docker compose, volume)



- `sudo curl -L "https://github.com/docker/compose/releases/download/1.26.0/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose`
- `sudo chmod +x /usr/local/bin/docker-compose`
- `docker-compose --version`
- `sudo docker-compose up -d --build`
- `curl -X GET http://localhost/story`

```
loki@ubuntumaster:~/first_app$ curl -X GET http://localhost/story  
{"story":""}loki@ubuntumaster:~/first_app$ ^C
```

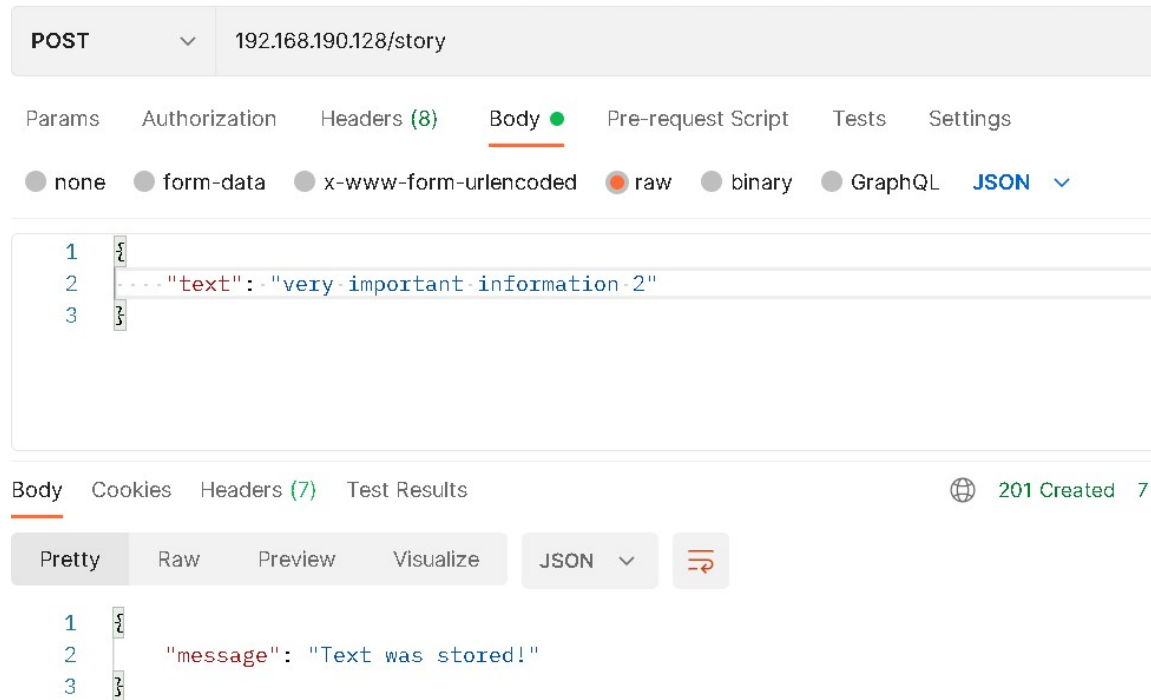
- Download and install postman (<https://www.postman.com/downloads/>)



## Lab #6. Story\_app (docker compose, volume)



### ■ Sent post request using Postman



## Lab #6. Story\_app (docker compose, volume)



- Sent get request using Postman

GET 192.168.190.128/story

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (7) Test Results 200 OK 5 ms 305 B

Pretty Raw Preview Visualize JSON

```
1 {  
2   "story": "very important information\nvery important information 2\n"  
3 }
```

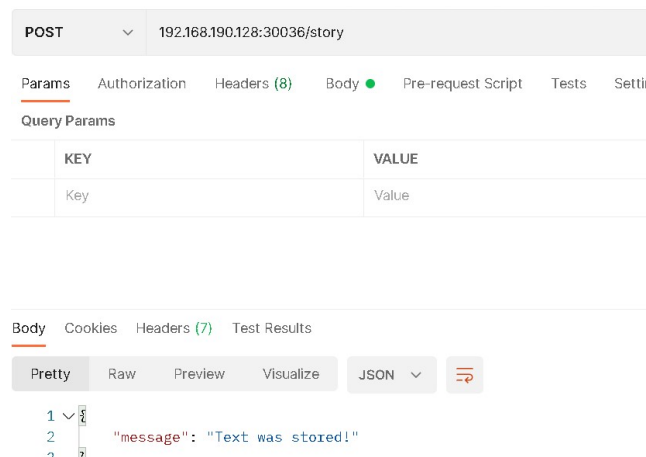
- `sudo docker-compose stop`



## Lab #6. Story\_app (docker compose, volume)



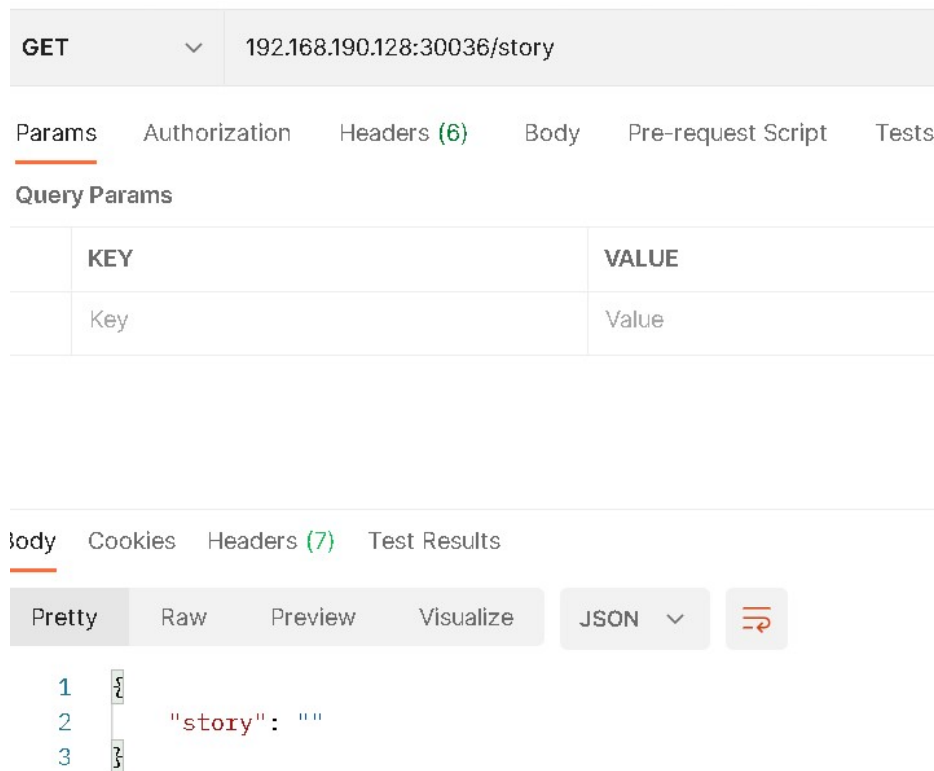
- Change image name in deployment
- `sudo docker build -t "dockerhub rep" .`
- `sudo docker login`
- `sudo docker push "dockerhub rep"`
- `sudo kubectl create -f deployment.yaml`
- `sudo kubectl create -f service_new.yaml`
- Sent post request using Postman (ip:30036/story)



## Lab #6. Story\_app (docker compose, volume)



- `sudo kubectl get pods`
- `sudo kubectl delete pods "pod name"`
- sent get request using Postman (ip:30036/story)



## Lab #6. Story\_app (docker compose, volume)



- `sudo kubectl get deployment`
- `sudo kubectl delete deploy store-deployment`
- `sudo kubectl apply -f host-pv.yaml`
- `sudo kubectl apply -f host-pvc.yaml`
- `sudo kubectl create -f deployment2.yaml`
- `sudo kubectl get pv`

```
loki@ubuntumaster:~/first_app$ sudo kubectl get pv
NAME          CAPACITY  ACCESS MODES  RECLAIM POLICY  STATUS  CLAIM          STORAGECLASS  REASON  AGE
host-pv       1Gi       RWO           Retain          Bound   default/host-pvc  standard                3m40s

loki@ubuntumaster:~/first_app$ sudo kubectl get pvc
NAME          STATUS  VOLUME  CAPACITY  ACCESS MODES  STORAGECLASS  AGE
host-pvc      Bound   host-pv  1Gi       RWO           standard      4m6s
```

- Sent post request using Postman (ip:30036/story)
- Sent get request using Postman (ip:30036/story)
- `sudo kubectl get pods`
- `sudo kubectl delete pods "pod name"`
- sent get request using Postman (ip:30036/story)

