[olegon@olegonsys node-app]\$ minikube version minikube version: v1.0.0 [olegon@olegonsys node-app]\$





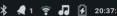








- minikube v1.0.0 on linux (amd64) $^{\oplus}$
- 01F 939 Downloading Kubernetes v1.14.0 images in the background ...
- 01F 4A1 Tip: Use 'minikube start -p <name>' to create a new cluster, or 'minikube d elete' to delete this one.
- 01F 504 Restarting existing virtualbox VM for "minikube" ...
- 01F 4F6 Waiting for SSH access ...
- "minikube" IP address is 192.168.99.105
- 01F 433 Configuring Docker as the container runtime ...
- 01F 433 Version of container runtime is 18.06.2-ce
- Waiting for image downloads to complete ...
- Preparing Kubernetes environment ...
- 01F 69C Pulling images required by Kubernetes v1.14.0 ...
- 01F 504 Relaunching Kubernetes v1.14.0 using kubeadm ...
- 01F 4EF Waiting for pods: apiserver proxy etcd scheduler controller dns
- Updating kube-proxy configuration ...
- 01F 914 Verifying component health
- 01F 497 kubectl is now configured to use "minikube"
- Done! Thank you for using minikube!
- [olegon@olegonsys node-app]\$



[olegon@olegonsys node-app]\$ minikube status

host: Running

kubelet: Running

apiserver: Running

kubectl: Correctly Configured: pointing to minikube-vm at 192.168.99.105











île Edit View Search Terminal Help

[olegon@olegonsys node-app]\$ kubectl cluster-info
Kubernetes master is running at https://192.168.99.105:8443
KubeDNS is running at https://192.168.99.105:8443/api/v1/namespaces/kube-system
/services/kube-dns:dns/proxy

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump' .

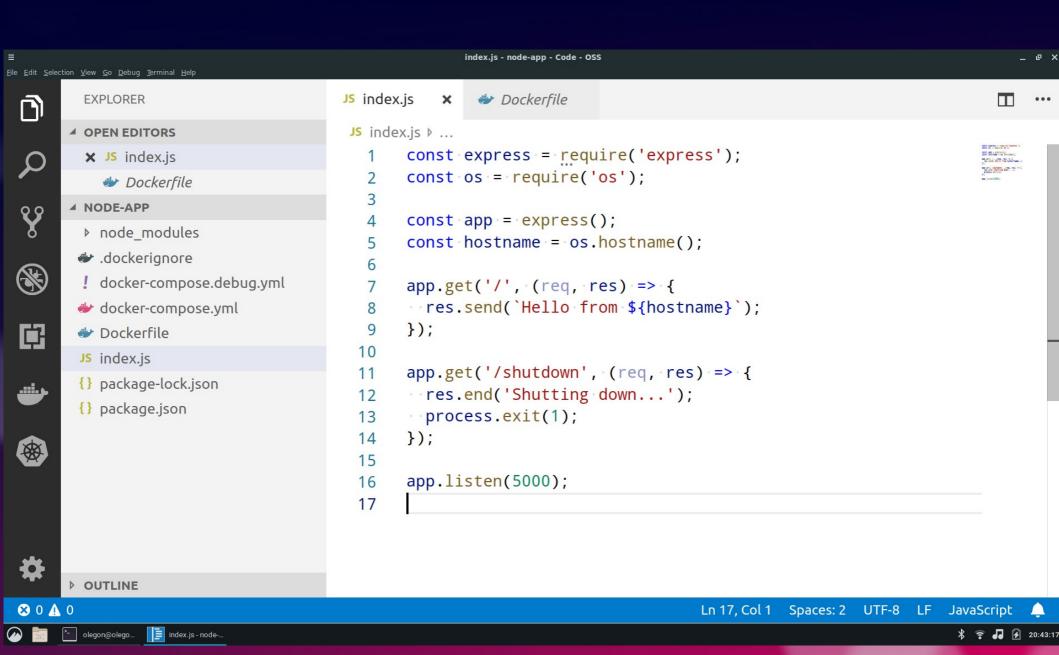


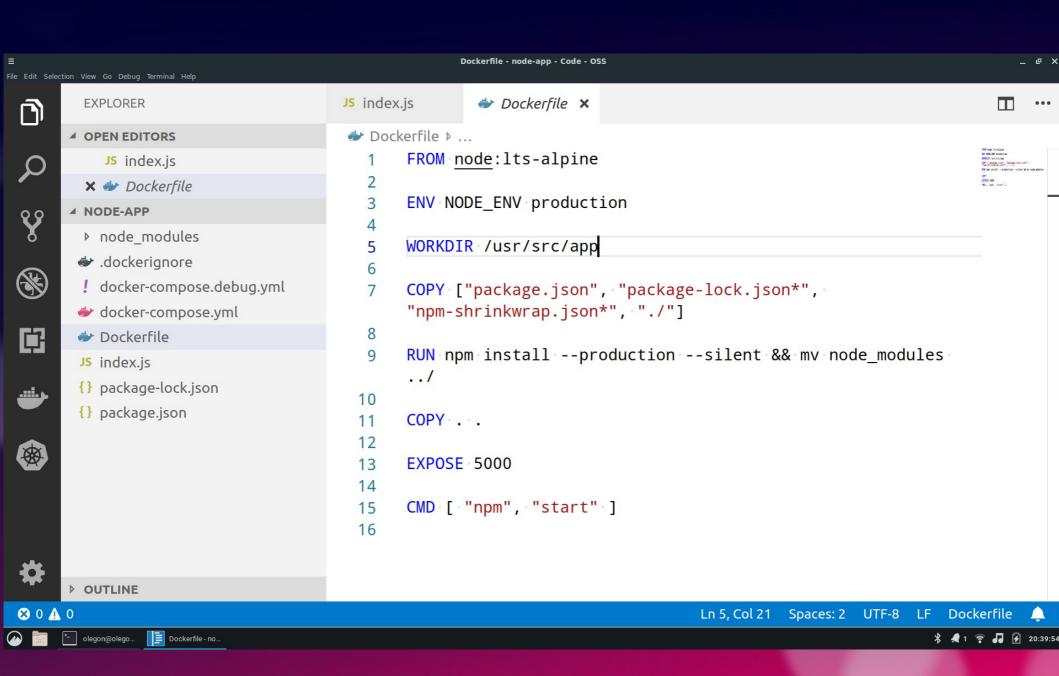












```
[olegon@olegonsys node-app]$ docker build -t olegon/node-app:v1 .
Sending build context to Docker daemon 18.94kB
Step 1/8 : FROM node:lts-alpine
---> aa57b0242b33
Step 2/8 : ENV NODE ENV production
---> Using cache
---> 5106012d5fc0
Step 3/8 : WORKDIR /usr/src/app
---> Using cache
---> 1a4e50b5e8ba
Step 4/8 : COPY ["package.json", "package-lock.json*", "npm-shrinkwrap.json*", "./"]
---> Using cache
---> e94a9f80344b
Step 5/8 : RUN npm install --production --silent && mv node modules ../
---> Using cache
---> 65d14caad18a
Step 6/8 : COPY . .
---> Using cache
---> 7aa3b6a930c2
Step 7/8 : EXPOSE 5000
---> Using cache
---> f2ca40e31f0b
Step 8/8 : CMD [ "npm", "start" ]
---> Using cache
---> 1223c502ec8f
Successfully built 1223c502ec8f
Successfully tagged olegon/node-app:v1
```





[olegon@olegonsys node-app]\$ docker push olegon/node-app:v1

The push refers to repository [docker.io/olegon/node-app]

65f88c45eca2: Layer already exists

47974a76800d: Layer already exists

5e4d3dd13111: Layer already exists

ecf4869102c0: Layer already exists

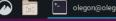
bf6c01f5df74: Layer already exists

715eb660992c: Layer already exists

a464c54f93a9: Layer already exists

v1: digest: sha256:e9fef5a19e9ac792aa96e36bad12bf25910d3a6c898ff1b2ce7

d56853f2a97a3 size: 1784



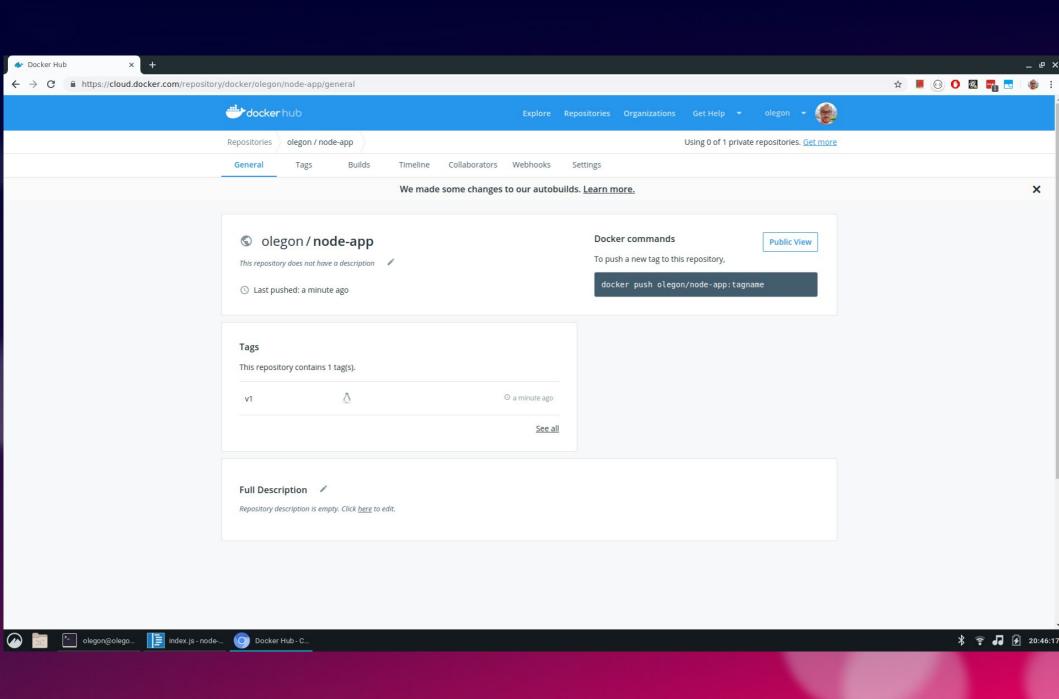












[olegon@olegonsys node-app]\$ kubectl run node-app-rc --image=olegon/no de-app:v1 --port=5000 --generator=run/v1

kubectl run --generator=run/v1 is DEPRECATED and will be removed in a future version. Use kubectl run --generator=run-pod/v1 or kubectl crea te instead.

replicationcontroller/node-app-rc created













[olegon@olegonsys node-app]\$ kubectl get rc NAME DESIRED CURRENT READY AGE node-app-rc 1 38s [olegon@olegonsys node-app]\$



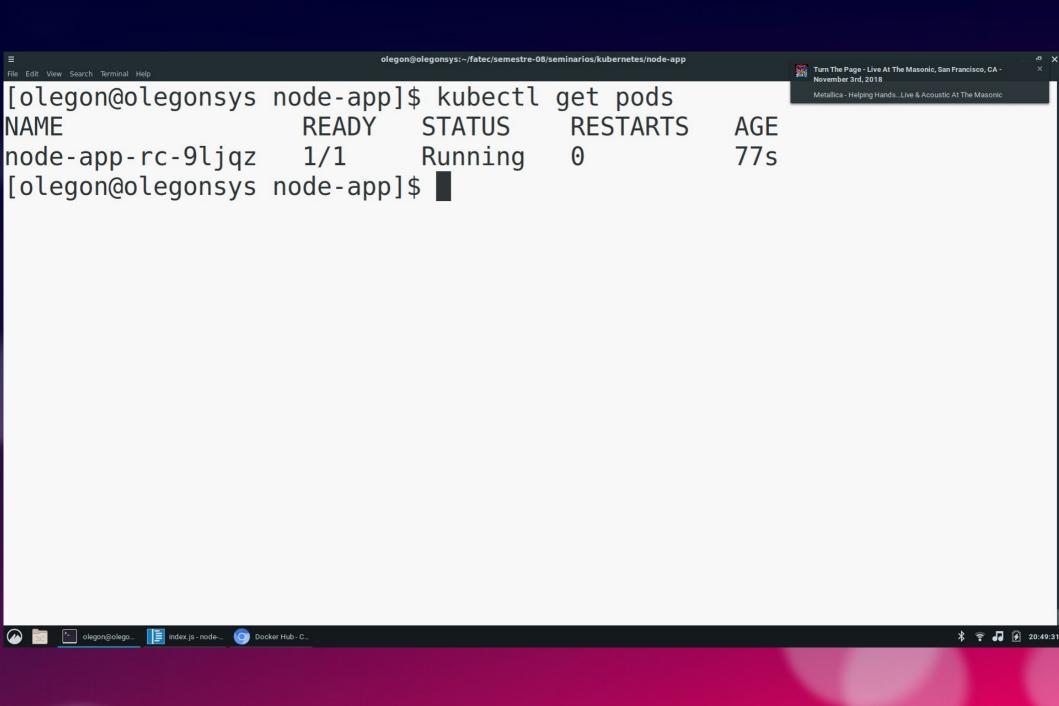












[olegon@olegonsys node-app]\$ kubectl expose replicationcontroller node -app-rc --type=LoadBalancer --name=node-app-rc-lb service/node-app-rc-lb exposed [olegon@olegonsys node-app]\$







































[olegon@olegonsys node-app]\$ minikube service node-app-rc-lb --url http://192.168.99.105:32006















Hello from node-app-rc-9ljqz [olegon@olegonsys node-app]\$

















[olegon@olegonsys node-app]\$ kubectl scale replicationcontroller nodeapp-rc --replicas=10 replicationcontroller/node-app-rc scaled

















[olegon@olegonsys	node-app]	\$ kubectl get pods		
NAME	READY	STATUS	RESTARTS	AGE
node-app-rc-4mt7v	1/1	Running	0	5s
node-app-rc-6gcmg	1/1	Running	0	5s
node-app-rc-9ljqz	1/1	Running	0	5m53s
node-app-rc-drsc8	0/1	ContainerCreating	0	5s
node-app-rc-hv5x6	1/1	Running	0	5s
node-app-rc-j6h84	0/1	ContainerCreating	0	5s
node-app-rc-kbv4k	1/1	Running	0	5s
node-app-rc-kghmt	1/1	Running	0	5s
node-app-rc-mnfjb	1/1	Running	0	5s
node-app-rc-wp7zh	0/1	C <u>o</u> ntainerCreating	0	5s
[olegon@olegonsys	node-app]	\$		

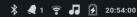












[olegon@olegonsys node-app]\$ curl http://192.168.99.105:32006 && echo Hello from node-app-rc-kbv4k [olegon@olegonsys node-app]\$ curl http://192.168.99.105:32006 && echo Hello from node-app-rc-mnfjb [olegon@olegonsys node-app]\$ curl http://192.168.99.105:32006 && echo Hello from node-app-rc-kghmt [olegon@olegonsys node-app]\$ curl http://192.168.99.105:32006 && echo Hello from node-app-rc-drsc8 [olegon@olegonsys node-app]\$ curl http://192.168.99.105:32006 && echo Hello from node-app-rc-9ljqz [olegon@olegonsys node-app]\$ curl http://192.168.99.105:32006 && echo Hello from node-app-rc-drsc8 [olegon@olegonsys node-app]\$ curl http://192.168.99.105:32006 && echo Hello from node-app-rc-9ljqz [olegon@olegonsys node-app]\$ curl http://192.168.99.105:32006 && echo Hello from node-app-rc-drsc8 [olegon@olegonsys node-app]\$













Voltar para os slides da apresentação!