

# Docker in Docker in Kubernetes

- [The install](#)

# The install

This is to chronicle the install and testing of the Isio build slave process in kubernetes

```
FROM debian:stretch

RUN apt-get update
RUN apt-get install -y apt-transport-https \
    ca-certificates \
    curl \
    gnupg2 \
    software-properties-common \
    jq \
    git \
    default-jre

RUN curl -fsSL https://download.docker.com/linux/debian/gpg | apt-key add -
RUN add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/$(. /etc/os-release; echo "$ID") \
    $(lsb_release -cs) \
    stable"
RUN apt-get update && apt-get install docker-ce -y

RUN adduser jenkins
RUN usermod -aG docker jenkins
RUN su - jenkins -c "git config --global user.email 'ci@linuxserver.io' && git config --global user.name 'LinuxServer-CI'"
RUN su - jenkins -c "mkdir -p /home/jenkins/.docker && \
    touch /home/jenkins/.docker/config.json && \
    echo '{\"experimental\": \"enabled\"}' > /home/jenkins/.docker/config.json"

CMD ["sleep", "infinity"]
```

```
apiVersion: apps/v1
kind: Deployment
metadata:
  creationTimestamp: null
  labels:
```

```
  app: build-slave
name: build-slave
namespace: lsio
spec:
  replicas: 2
  selector:
    matchLabels:
      app: build-slave
  template:
    metadata:
      creationTimestamp: null
    labels:
      app: build-slave
  spec:
    containers:
      - image: tezzreg.almueti.com/lsio-build-slave
        name: lsio-build-slave
        resources:
          requests:
            cpu: 200m
            memory: 1Gi
          limits:
            cpu: 1
            memory: 1Gi
        env:
          - name: DOCKER_HOST
            value: tcp://localhost:2375
          - name: DOCKER_TLS_VERIFY
            value: "1"
          - name: DOCKER_CERT_PATH
            value: /certs/client
        imagePullPolicy: Always
    volumeMounts:
      - name: certs
        mountPath: /certs/client
      - name: dind
    args:
      - --host=tcp://0.0.0.0:2375
    resources:
      requests:
        cpu: 500m
```

memory: 1Gi

limits:

cpu: 500m

memory: 5Gi

env:

- name: DOCKER\_CERT\_PATH

value: /certs/client

image: docker:19.03-rc-dind

securityContext:

privileged: true

volumeMounts:

- name: docker-graph-storage

mountPath: /var/lib/docker

- name: certs

mountPath: /certs/client

imagePullSecrets:

- name: regcred

volumes:

- name: docker-graph-storage

emptyDir: {}

- name: certs

emptyDir: {}