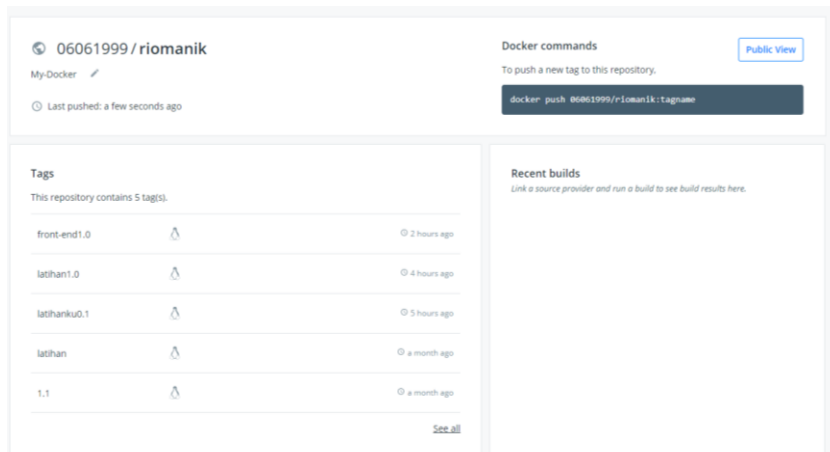


TUTORIAL CLUSTERING WITH KUBERNETES(Kubectl) VERSION WINDOWS



kubernetes

1. Pastikan project sudah di build dan sudah tersimpan di dockerHub , jika belum build ke dockerHub terlebih dahulu



2. Download kubectl version windows link=<https://kubernetes.io/docs/tasks/tools/install-kubectl>

Install kubectl on Windows

Install kubectl binary with curl on Windows

1. Download the latest release v1.17.0 from [this link](#).

Or if you have curl installed, use this command:

```
curl -LO https://storage.googleapis.com/kubernetes-release/release/v1.17.0/bin/windows/amd64/kubectl.exe
```

To find out the latest stable version (for example, for scripting), take a look at <https://storage.googleapis.com/kubernetes-release/release/stable.txt>.

2. Add the binary in to your PATH.

3. Test to ensure the version of kubectl is the same as downloaded.

```
kubectl version
```

Note: Docker Desktop for Windows adds its own version of kubectl to PATH. If you have installed Docker Desktop before, you may need to place your PATH entry before the one added by the Docker Desktop installer or remove the Docker Desktop's kubectl.

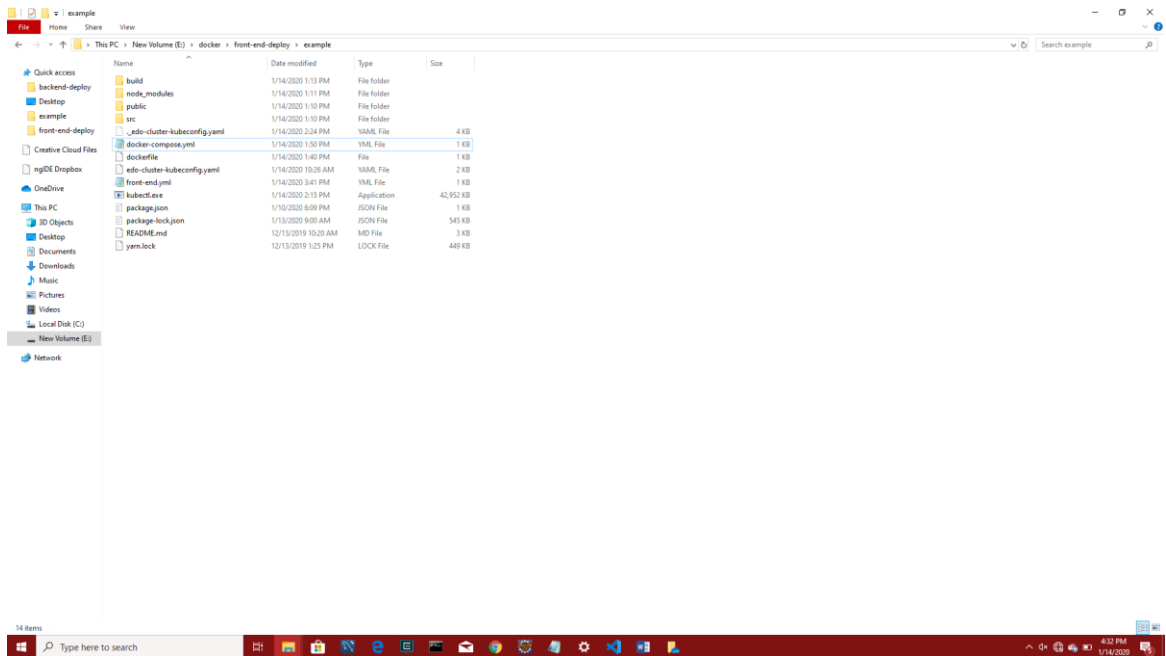
Install with Powershell from PSGallery

If you are on Windows and using Powershell Gallery package manager, you can install and update kubectl with Powershell.

1. Run the installation commands (making sure to specify a download location).

3. Biar lebih mudah hasil download dan project be atau fe (pilih salah satu) jadikan satu folder semisal di E:\docker\front-end-deploy\example , berisi

- ._edo-cluster-kubeconfig.yaml
- docker-compose.yml
- dockerfile
- edo-cluster-kubeconfig.yaml
- front-end.yml
- kubectl.exe
- dll
- screenshot:



4. Disini saya meng-copy semua berkas ke dalam folder "E:\docker\front-end-deploy\example" {gue buat semua satu folder biar gampang}

5. `kubectl --kubeconfig="E:\docker\front-end-deploy\example\edo-cluster-kubeconfig.yaml" get nodes` {jika sudah muncul maka sudah berhasil}

```
E:\docker\front-end-deploy\example>kubectl --kubeconfig="E:\docker\front-end-deploy\example\edo-cluster-kubeconfig.yaml" get nodes
NAME                STATUS    ROLES    AGE   VERSION
edo-pool-h13i       Ready     <none>    6h11m v1.16.2
edo-pool-h13v       Ready     <none>    6h11m v1.16.2
E:\docker\front-end-deploy\example>
```

6. Edit front-end.yml

```
front-end.yml - Notepad
File Edit Format View Help
---
kind: Service
apiVersion: v1
metadata:
  name: example
spec:
  type: LoadBalancer
  selector:
    app: example
  ports:
    - name: http
      protocol: TCP
      port: 3007
      targetPort: example-port
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: example
spec:
  replicas: 2
  selector:
    matchLabels:
      app: example
  template:
    metadata:
      labels:
        app: example
    spec:
      containers:
        - name: example
          image: 06061999/riomanik:front-end1.0
          ports:
            - name: example-port
              containerPort: 80
              protocol: TCP
```

- Ubah example dengan nama project anda
 - Di bagian container image isi link repo dockerHub anda
 - Dibagian front-end dan back-end bagian Ports atas : isi port anda yang akan di upload di server(bebas)
 - Dibagian back-end bagian containerPort bawah : isi port backend anda
 - Dibagian front-end bagian containerPort bawah : isi port 80
7. `kubectl --kubeconfig="E:\docker\front-end-deploy\example\edo-cluster-kubeconfig.yaml" apply -f front-end.yml` {ini buat men-apply configkannya, 10\$ guys kalau mau dilanjutkan}
 8. `kubectl --kubeconfig="E:\docker\front-end-deploy\example\edo-cluster-kubeconfig.yaml" get pods` {melihat apakah containernya sudah dibuat apa belum}
 9. `kubectl --kubeconfig="E:\docker\front-end-deploy\example\edo-cluster-kubeconfig.yaml" get services` {melihat apakah service nya sudah naik apa belum , kalau masih awal biasanya pending}
 10. `kubectl --kubeconfig="E:\docker\front-end-deploy\example\edo-cluster-kubeconfig.yaml" get deployment` {melihat apakah deployment sudah naik apa belum}
 11. setelah sudah gak pending coba testing di web ,, , kalau sudah jangan lupa delete lagi ya..

hapus service setelah mencoba karena bayarnya mahal {WARNING}

1. `kubectl --kubeconfig="E:\docker\front-end-deploy\example\edo-cluster-kubeconfig.yaml" delete deployment` {nama deployment mu cuk}
2. `kubectl --kubeconfig="E:\docker\front-end-deploy\example\edo-cluster-kubeconfig.yaml" delete services` {namanya service mu cuk}