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# ZORGELOOS NAAR PRODUCTIE

## KUBERNETES VOOR DEVELOPERS

JOHN STERKEN

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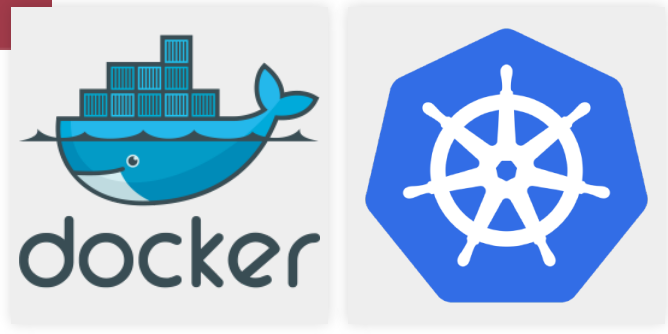


# ARCHITECTUUR OP BASIS VAN CONTAINERS IS DE TOEKOMST

- Docker
- Kubernetes
  - Deployment
  - Service
  - Ingress

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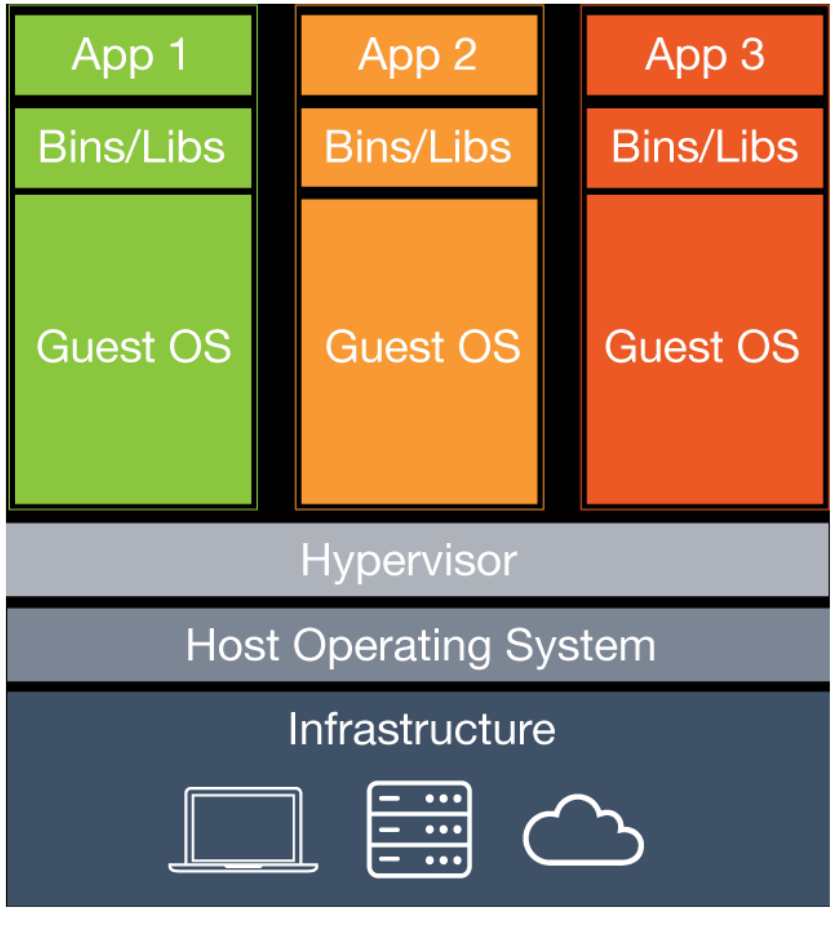
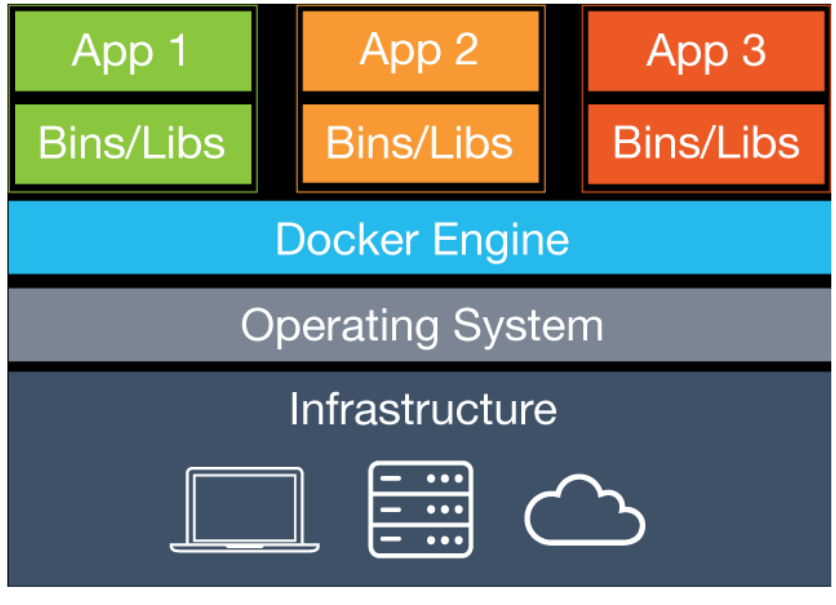
# DOCKER



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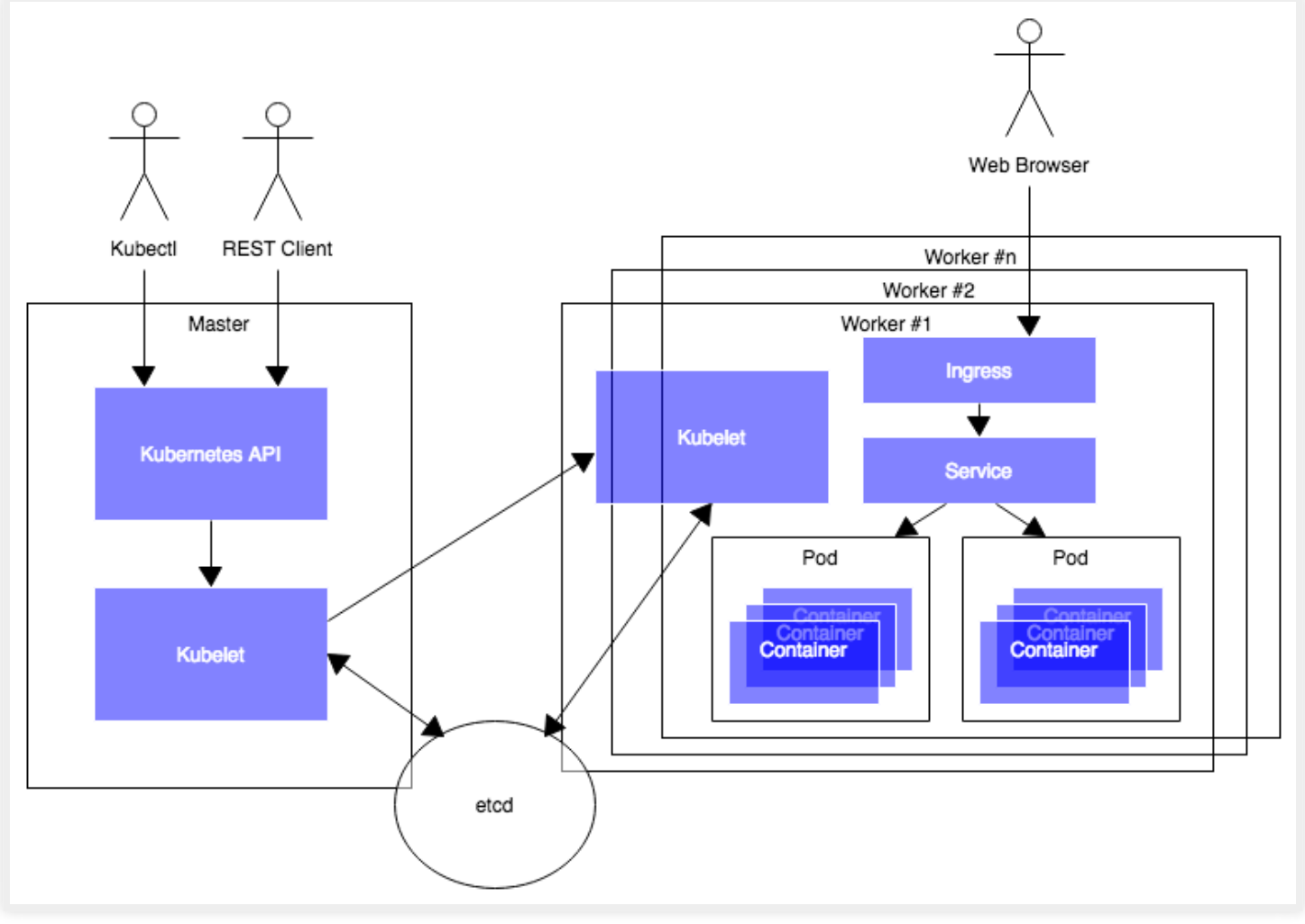
# KUBERNETES MASTER & WORKER



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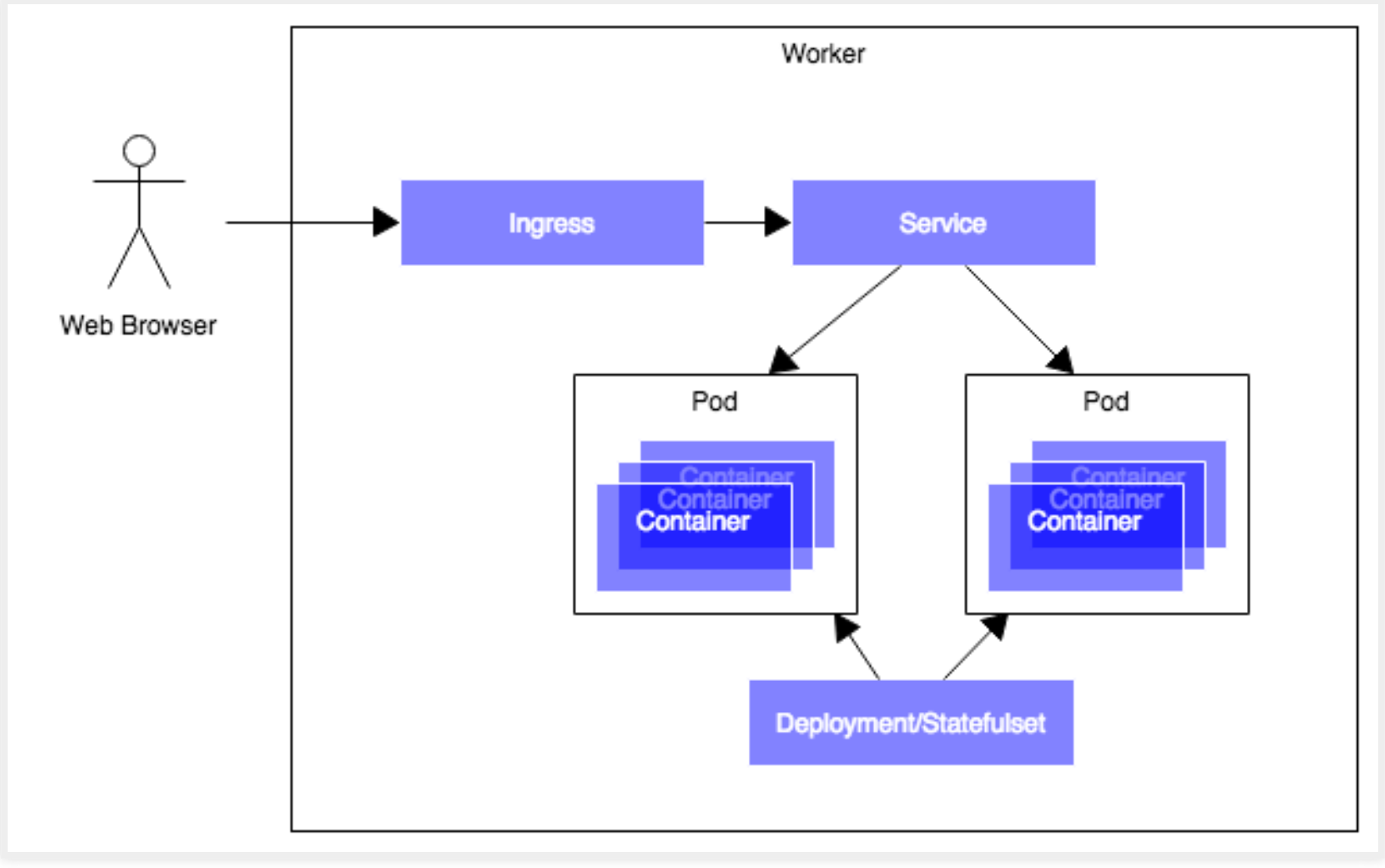
# KUBERNETES SERVICE & DEPLOYMENT



# Quintor LOYMENT YAML

```yaml
apiVersion: apps/v1beta1
kind: Deployment
metadata:
  labels:
    foo: bar
  name: foobar-app
spec:
  revisionHistoryLimit: 1
  replicas: 2
  selector:
    matchLabels:
      foo: bar
  strategy:
    rollingUpdate:
      maxSurge: 1
      maxUnavailable: 1
```

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# ERVICE YAML

```yaml
apiVersion: v1
kind: Service
metadata:
  labels:
    foo: bar
  name: foobar-app
spec:
  ports:
  - name: http
    port: 80
    protocol: TCP
    targetPort: 80
  selector:
    foo: bar
  sessionAffinity: None/ClientIP
  type: ExternalName/ClusterIP/NodePort/LoadBalancer
```

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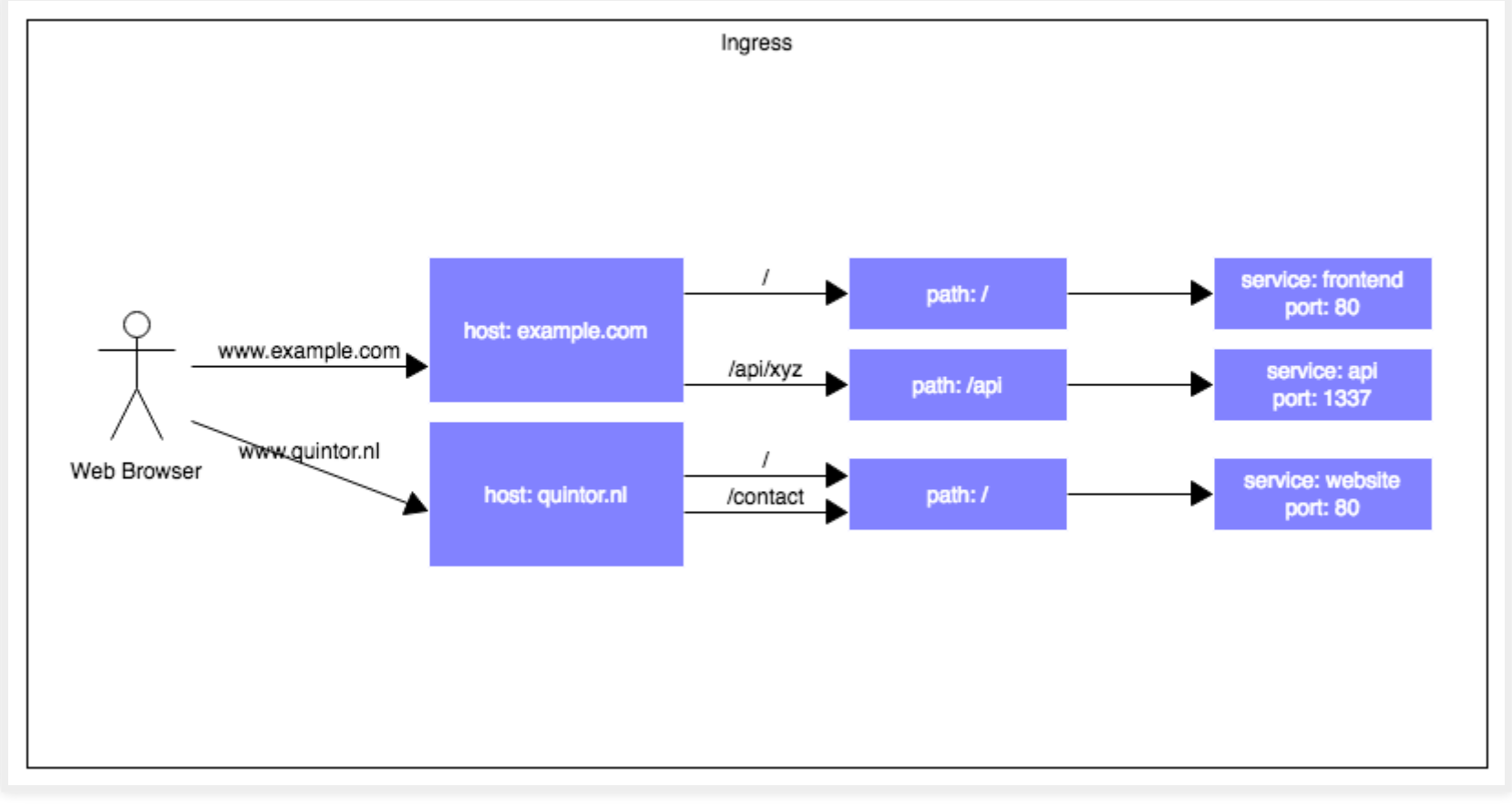
# KUBERNETES INGRESS



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# NGRESS YAML

```yaml
apiVersion: extensions/v1beta1
kind: Ingress
metadata:
  annotations:
    kubernetes.io/ingress.class: nginx
  name: ingress-name
spec:
  rules:
  - host: example.com
    http:
      paths:
      - backend:
          serviceName: foobar-app
          servicePort: 80
        path: /
      - backend:
```

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# AAN DE SLAG MET KUBERNETES

https://github.com/johnsterken/kubernetes-class