

Openshift

Introduction to the Side Car

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```
<Location /server-status>  
SetHandler server-status  
Order deny,allow  
Allow from all  
</Location> ExtendedStatus On>
```

Figure: status.conf

```
RUN a2enmod status  
COPY status.conf /etc/apache2/mods-enabled/
```

Figure: Dockerfile

Secret Access

```
apiVersion: v1
kind: Secret
metadata:
  name: github-secret
  namespace: sidecar
type: kubernetes.io/basic-auth
data:
  username: c3Bpa2U=
  password: dmFsZW50aW5l
```

Figure: gitlab-secret.yaml

Secret Access

```
$ echo -n 'spike' | base64
c3Bpa2U=
$ echo -n 'valentine' | base64
dmFsZW50aW5l
$ oc create -f gitlab-secret.yaml
```



New Project

```
$ oc new-project sidecar \  
--display-name='Side Car Project' \  
--description='Side Car Project'
```

New Build

```
$ oc new-build http://192.168.0.8:8880/spike/faye.git \
--name faye
$ oc set build-secret --source bc/faye github-secret
$ oc start-build faye
```

New Build more friendly

```
$ oc new-build http://192.168.0.8:8880/spike/faye.git \
--source-secret github-secret \
--name faye
```


New Application

```
$ oc new-app faye \
--name fayeapp
$ oc status
$ oc expose service faye
$ oc get pod
$ oc get all name --selector app=cdnselect
```

Export

```
$ oc get --export is,bc,dc,svc -o yaml > export.yaml
```

Item To Modify

- ImageStream
- BuildConfig
- DeploymentConfig
- Service

We delete resourceVersion, selfLink and uid. In status, we keep dockerImageRepository (set to "")

We delete resourceVersion, selfLink and uid. We delete in spec.triggers.imageChange lastTriggeredImageID

We replace `spec.template.spec.containers.image` by `faye` in the first container We add in `spec.template.spec.container`

```
- name: apache-exporter
image: previousnext/apache-exporter
command: [ "apache_exporter", \
"-scrape_uri", \
"http://127.0.0.1:8080/server-status/?auto" ]
ports:
- containerPort: 9117
```



We add in spec.ports

```
- name: 9117-tcp  
port: 9117  
protocol: TCP  
targetPort: 9117
```