

SDC on OOM

- [Rancher access](#)
- [K8 access](#)
- [SDC docker dependency structure and troubleshooting info:](#)
- Useful commands
 - Retrieve all pods in the system in the ONAP name space or use --all-namespace to show pods from all namespaces
 - For more info on the pods
 - Retrieve all the services defined in the system
 - View k8 context
 - View the helm chart releases and there state :
 - View the repositories from which charts are retrieved
 - Config upgrade
 - update container
 - Update config map
 - To check status of a pod
 - Log into the docker in a pod
 - Log into ta specific container in a pod
 - View container logs
 - show config maps
 - View config map as yaml
 - Delete full deploy
 - Look for persistent volumes claims
 - Delete them if the do not go down
 - Look for persistent volumes that have not been removed.
 - Remove them persistent volumes
 - To delete a pod stuck in terminating
 - full install
- [configuring access to SDC using portal](#)

Rancher access

<http://10.12.6.190:8080/admin/access/>



the IP changes according to the env where the setup is created, use the ui to identify the ip where Rancher is installed and access its external IP.

K8 access

<http://10.12.6.190:8080/r/projects/1a7/kubernetes-dashboard:9090/#!/service?namespace=default>




the IP changes according to the env where the setup is created, use the ui to identify the ip where Rancher is installed and access its external IP.

SDC docker dependency structure and troubleshooting info:

[SDC Troubleshooting](#)

Useful commends

Retrieve all pods in the system in the ONAP name space or use --all-namespaces to show pods from all namespaces

 root@rancher:~# kubectl get pods -n onap

NAME	READY	STATUS	RESTARTS	AGE
dev-sdc-be-7dfd76f8b7-hc26c	2/2	Running	0	2d
dev-sdc-cs-7d7787b7f5-6ch55	1/1	Running	0	2d
dev-sdc-es-9477ccd7c-8jt5p	1/1	Running	0	2d
dev-sdc-fe-59dbb59656-v7kwn	2/2	Running	0	2d
dev-sdc-kb-7cfbd85c7b-pgpnj	1/1	Running	0	2d
dev-sdc-onboarding-be-745c794884-6c9tf	2/2	Running	0	2d
dev-sdc-wfd-6f7c9d778b-hbzlf	1/1	Running	0	2d

For more info on the pods

 root@rancher:~# kubectl get pods -n onap -o wide

NAME	READY	STATUS	RESTARTS	AGE	IP	NODE
dev-sdc-be-7dfd76f8b7-hc26c	2/2	Running	0	2d	10.42.202.150	k8s-3
dev-sdc-cs-7d7787b7f5-6ch55	1/1	Running	0	2d	10.42.100.30	k8s-3
dev-sdc-es-9477ccd7c-8jt5p	1/1	Running	0	2d	10.42.74.202	k8s-4
dev-sdc-fe-59dbb59656-v7kwn	2/2	Running	0	2d	10.42.73.184	k8s-2
dev-sdc-kb-7cfbd85c7b-pgpnj	1/1	Running	0	2d	10.42.44.238	k8s-9
dev-sdc-onboarding-be-745c794884-6c9tf	2/2	Running	0	2d	10.42.7.132	k8s-4
dev-sdc-wfd-6f7c9d778b-hbzlf	1/1	Running	0	2d	10.42.113.182	k8s-8

Retrieve all the services defined in the system



```
root@rancher:~# kubectl get services -n onap
```

NAME (S)	TYPE	CLUSTER-IP AGE	EXTERNAL-IP	PORT
sdcc-be /TCP	NodePort 2d	10.43.1.23	<none>	8443:30204/TCP,8080:30205
sdcc-cs /TCP	ClusterIP	10.43.204.60 2d	<none>	9160/TCP,9042
sdcc-es /TCP	ClusterIP	10.43.48.202 2d	<none>	9200/TCP,9300
sdcc-fe /TCP	NodePort 2d	10.43.43.115	<none>	8181:30206/TCP,9443:30207
sdcc-kb /TCP	ClusterIP	10.43.160.51 2d	<none>	5601
sdcc-onboarding-be /TCP	ClusterIP	10.43.191.47 2d	<none>	8445/TCP,8081
sdcc-wfd /TCP	NodePort	10.43.220.184 2d	<none>	8080:30256

View k8 context



```
root@rancher:~# kubectl config get-contexts
```

CURRENT	NAME	CLUSTER	AUTHINFO	NAMESPACE
*	oom	oom	oom	

View the helm chart releases and there state :



```
root@k8s:~# helm list
```

NAME	REVISION	UPDATED	STATUS	CHART	NAMESPACE
dev	2	Mon Apr 16 23:01:06 2018	FAILED	onap-2.0.0	onap
dev	9	Tue Apr 17 12:59:25 2018	DEPLOYED	onap-2.0.0	onap

View the repositories from which charts are retrieved



```
root@rancher:~# helm repo list
```

NAME	URL
stable	https://kubernetes-charts.storage.googleapis.com
local	http://127.0.0.1:8879

Config upgrade

should use the local/onap syntax to let K8 decide based on the parent chart (local/onap)



```
helm upgrade -i dev local/onap --namespace onap -f integration-override.yaml
```

update container

disable the pods wait for pods to stop and start them

Beijing

```
cd ~  
  
helm upgrade -i dev local/onap --namespace onap -f integration-override.yaml --set sdc.enabled=false  
  
helm upgrade -i dev local/onap --namespace onap -f integration-override.yaml --set sdc.enabled=true
```

Casablanca

```
helm list -a  
  
..  
  
dev-sdc      2      Wed Oct 17 18:06:08 2018      DEPLOYED      sdc-  
3.0.0      onap  
  
..  
  
helm del dev-sdc --purge  
  
  
helm list -a //to confirm its gone  
  
  
kubectl get pods -n onap | grep sdc //check the pods are done  
  
  
helm deploy dev local/onap -f /root/integration-override.yaml --namespace onap
```

Update config map

in case you want to update the env json for sdc.

update the file under oom/kubernetes/sdc/resources/config/environments/AUTO.json

stop pods make the charts and start the pods



```
helm upgrade -i dev local/onap --namespace onap -f /root/integration-override.yaml --set sdc.  
enabled=false  
make /root/oom/kubernetes/sdc  
  
make /root/oom/kubernetes/onap  
  
helm upgrade -i dev local/onap --namespace onap -f /root/integration-override.yaml --set sdc.  
enabled=true
```

To check status of a pod



```
kubectl -n onap describe pod dev-robot-5cfddf87fb-65zv
```


Log into the docker in a pod



```
kubectl -n onap exec -it dev-sdc-onboarding-be-745c794884-ss8w4 bash
```


Log into ta specific container in a pod

in case there a number of containers in the same pod use -c


 `kubectl -n onap exec -it dev-sdc-onboarding-be-745c794884-ss8w4 -c <container name as it is defined in the deployment yaml for the pod> bash`

View container logs

in case there are a number of containers in the same pod use -c

 `kubectl -n onap logs -it dev-sdc-onboarding-be-745c794884-ss8w4 -c <container name as it is defined in the deployment yaml for the pod>`

show config maps

 `kubectl get configMap -n onap`


View config map as yaml

 `kubectl get configMaps -n onap dev-sdc-environments-configmap -o yaml`

Delete full deploy

then check that all pods are stopped.

look for all Terminating to be gone if not wait till they are.


 `helm del dev --purge`
`kubectl get pods --all-namespaces -o=wide`

Look for persistent volumes claims


that have not been removed.

 `kubectl -n onap get pvc`

Delete them if they do not go down

 `kubectl -n onap delete pvc dev-sdnc-db-data-dev-sdnc-db-0`

Look for persistent volumes that have not been removed.

 `kubectl -n onap get pv`

Remove them persistent volumes



```
kubectl -n onap delete pv pvc-c0180abd-4251-11e8-b07c-02ee3a27e357
```

To delete a pod stuck in terminating



```
kubectl delete pod dev-sms-857f6dbd87-6lh9k -n onap
```

full install



```
helm upgrade -i dev local/onap --namespace onap -f integration-override.yaml
```

configuring access to SDC using portal

portal application is the only one with an exposed external port.

Look for the external IP of the node that has portal IP 10.0.0.4 in the UI interface for the instances.

```
kubectl get service -o wide -n onap
```

define the IP in your local machine to allow so that the browser can resolve it to the correct IP

10.12.6.37 portal.api.simplesdemo.onap.org

10.12.6.37 [sdc.api.fe.simplesdemo.onap.org](https://portal.api.fe.simplesdemo.onap.org)

to access the portal use the link below after the resolving has been updated.



<http://portal.api.simplesdemo.onap.org:30215/ONAPPORTAL/login.htm>

<https://portal.api.fe.simplesdemo.onap.org:30225/ONAPPORTAL/login.htm>