Following instructions here: <https://cloud.ibm.com/docs/blockchain-sw?topic=blockchain-sw-deploy-ocp>

(Related links:

<https://cloud.ibm.com/docs/services/blockchain-sw?topic=blockchain-sw-deploy-k8-firewall>

<https://cloud.ibm.com/docs/blockchain-sw?topic=blockchain-sw-deploy-k8>

)

Steps:

oc login https://c100-e.us-south.containers.cloud.ibm.com:31143 --token=RDLbLEiqCQJWYgfQU9YUbwd6e\_fud2UvWNwCOJNqnrE

Token used to log into oc

oc whoami -t

oINB69yyimXck5jpsqVK9S\_LGrL8GLev\_W-PL455ki0

oc project visa-ibp2-operator

The local docker repo isn’t enabled, so I am attempting to login into the external docker repo and run it

oc apply -f ibp-scc.yaml

securitycontextconstraints.security.openshift.io/visa-ibp2-operator created

oc adm policy add-scc-to-user visa-ibp2-operator system:serviceaccounts:visa-ibp2-operator

scc "visa-ibp2-operator" added to: ["system:serviceaccounts:visa-ibp2-operator"]

(psp is for the k8s version. Not needed for ibp. Insteas, we need scc and add-scc-to-user)

pod security policy creation threw the error: error: no objects passed to apply

Tried kubectl --v=5 create -f ibp-psp.yaml

I0219 21:07:03.771108 76253 decoder.go:224] decoding stream as YAML

F0219 21:07:03.772008 76253 helpers.go:119] error: no objects passed to create

Based on searches that indicated that sometimes the yaml needs strings to be in quotes, I modified

name: ibm-blockchain-platform-psp

to

name: "ibm-blockchain-platform-psp"

Now I get podsecuritypolicy.extensions/ibm-blockchain-platform-psp created

oc apply -f ibp-clusterrole.yaml

clusterrole.rbac.authorization.k8s.io/visa-ibp2-operator configured

oc adm policy add-scc-to-group visa-ibp2-operator system:serviceaccounts:visa-ibp2-operator

scc "visa-ibp2-operator" added to groups: ["system:serviceaccounts:visa-ibp2-operator"]

oc apply -f ibp-clusterrolebinding.yaml

clusterrolebinding.rbac.authorization.k8s.io/visa-ibp2-operator configured

oc adm policy add-cluster-role-to-user visa-ibp2-operator system:serviceaccounts:visa-ibp2-operator

cluster role "visa-ibp2-operator" added: "system:serviceaccounts:visa-ibp2-operator"

kubectl create secret docker-registry docker-key-secret --docker-username=sumapnair@us.ibm.com --docker-password=AKCp5ejxmrfVEHpPeYL8oKYEukL1kHYrUh9DKt1bqzBCrC7v3Fn4cWHwy4itXUY9n2Ldu342J --docker-email=sumapnair@us.ibm.com --docker-server=ip-ibp-images-team-docker-remote.artifactory.swg-devops.com/cp

secret/docker-key-secret created

kubectl apply -f ibp-operator.yaml -n ibp2-with-operator

deployment.apps/ibp-operator created

(Instead of Local repository, in the yaml file, I used

ip-ibp-images-team-docker-remote.artifactory.swg-devops.com/cp

kubectl get deployment -n visa-ibp2-operator

NAME DESIRED CURRENT UP-TO-DATE AVAILABLE AGE

ibp-operator 1 1 1 1 2m

Cluster Domain name

In web console, switch to Cluster Console.

<https://console.visa-openshift-ibp-e5043d1d2119a8ed9cd13e51c374e7f5-0001.us-south.containers.appdomain.cloud/k8s/cluster/projects>

You can find this value by using the OpenShift web console. Use the dropdown menu next to **OpenShift Container Platform** at the top of the page to switch from **Service Catalog** to **Cluster Console**. Examine the url for that page. It will be similar to console.xyz.abc.com/k8s/cluster/projects. The value of the domain then would be xyz.abc.com, after removing console and /k8s/cluster/projects.

So,

[visa-openshift-ibp-e5043d1d2119a8ed9cd13e51c374e7f5-0001.us-south.containers.appdomain.cloud](https://console.visa-openshift-ibp-e5043d1d2119a8ed9cd13e51c374e7f5-0001.us-south.containers.appdomain.cloud/k8s/cluster/projects)

kubectl apply -f ibp-console.yaml -n visa-ibp2-operator

ibpconsole.ibp.com/ibpconsole created

Accessing the UI

<https://visa-ibp2-operator-ibpconsole-console.visa-openshift-ibp-e5043d1d2119a8ed9cd13e51c374e7f5-0001.us-south.containers.appdomain.cloud:443>