

SEBA Blueprint Test Document

Introduction

We successfully validated SEBA installation with post-install validation test in AT&T [SEBA Blueprint Validation Lab](#) (Atlanta, GA). These test cases have been identified manually with a Nokia OpenEdge cluster. More clusters will be tested in the AT&T lab and other labs in later releases.

Post-install validation

A post installation verification is required to ensure that all nodes and services were properly deployed.

You need to establish an ssh connection to the controller's VIP address and login with administrative rights.

1. Verify Deployment Success.

Enter the following command:

```
#tail /srv/deployment/log/bootstrap.log
```

You should see: *Installation complete, Installation Succeeded.*

2. Docker Version Test:

```
#docker --version
```

Expected Output: Docker version 19.03.2, build 6a30dfc

3. Confirm active state of required services

Enter the following commands:

```
#systemctl show -p SubState docker.service | sed 's/SubState=//g'
```

Expected Output: running

```
#systemctl show -p SubState kubelet.service | sed 's/SubState=//g'
```

Expected Output: running

```
#systemctl show -p ActiveState docker.service | sed 's/ActiveState=//g'
```

Expected Output: active

```
#systemctl show -p ActiveState kubelet.service | sed 's/ActiveState=//g'
```

Expected Output: active

4. Verify node functionality

Enter the following commands:

```
#kubectl get no --no-headers | grep -v Ready
```

Output: The command output shows nothing.

```
#kubectl get no --no-headers | wc -l
```

Output: The command output shows the number of SEBA nodes.

5. Verify Components

Enter the following command:

```
#kubectl get po --no-headers --namespace=kube-system --field-selector status.phase!=Running
```

Output: The command output shows nothing.

6. Confirm Package Manager Status (Helm)

- Docker registry is running, and images can be downloaded:

```
image=$(docker images -f 'reference=*/caas/hyperkube' --format="{{.Repository}}:{{.Tag}}"); docker pull $image
```

Output: *Status: Image is up to date for ...*

- Chart repository is up and running: *(The curl command below is really one line.)*

```
curl -sS -XGET --cacert /etc/chart-repo/ssl/ca.pem --cert /etc/chart-repo/ssl/chart-repo1.pem
```

```
--key /etc/chart-repo/ssl/chart-repo1-key.pem https://chart-repo.kube-system.svc.rec.io:8088/charts/index.yaml
```

Output: output is a yaml file.

helm list

Output: *caas-infra*.

Additional Testing

After the SEBA helm charts are deployed, all containers in the default namespace are confirmed to be in a Completed or Running status. Additional testing with bbsim and/or ponsim is planned for future Akraino releases.

NAME	IP	NODE	NOMINATED NODE	READINESS GATES	READY	STATUS	RESTARTS	AGE
att-workflow-att-workflow-driver-6487d77db-rdwgk	10.244.0.27	192.168.12.52	<none>	<none>	1/1	Running	0	2m1s
att-workflow-tosca-loader-7btvq	10.244.1.37	192.168.12.51	<none>	<none>	0/1	Completed	4	2m1s
cord-platform-etcd-operator-etcd-backup-operator-84dfbc689vqsj9	10.244.2.13	192.168.12.53	<none>	<none>	1/1	Running	0	4m9s
cord-platform-etcd-operator-etcd-operator-8b6c64548-nnj2r	10.244.2.14	192.168.12.53	<none>	<none>	1/1	Running	0	4m9s
cord-platform-etcd-operator-etcd-restore-operator-7f5f5b95sdwx5	10.244.0.13	192.168.12.52	<none>	<none>	1/1	Running	0	4m9s
cord-platform-grafana-74c589b6db-jqnpv	10.244.1.24	192.168.12.51	<none>	<none>	2/2	Running	0	4m9s
cord-platform-kafka-0	10.244.1.25	192.168.12.51	<none>	<none>	1/1	Running	1	4m9s
cord-platform-kafka-1	10.244.0.26	192.168.12.52	<none>	<none>	1/1	Running	0	2m31s
cord-platform-kafka-2	10.244.2.29	192.168.12.53	<none>	<none>	1/1	Running	0	96s
cord-platform-kibana-7459967f55-z7sk8	10.244.2.18	192.168.12.53	<none>	<none>	1/1	Running	0	4m9s
cord-platform-logstash-0	10.244.0.15	192.168.12.52	<none>	<none>	1/1	Running	0	4m9s
cord-platform-onos-5b95b8f489-9s56b	10.244.0.19	192.168.12.52	<none>	<none>	2/2	Running	0	4m8s
cord-platform-prometheus-alertmanager-7df4f44f4d-tbfc1	10.244.2.15	192.168.12.53	<none>	<none>	2/2	Running	0	4m9s
cord-platform-prometheus-kube-state-metrics-76c8565f87-wslpw	10.244.0.14	192.168.12.52	<none>	<none>	1/1	Running	0	4m9s
cord-platform-prometheus-pushgateway-849c597464-pxhrf	10.244.1.26	192.168.12.51	<none>	<none>	1/1	Running	0	4m9s
cord-platform-prometheus-server-555b77dcd9-brtfk	10.244.2.17	192.168.12.53	<none>	<none>	2/2	Running	0	4m9s
cord-platform-zookeeper-0	10.244.0.16	192.168.12.52	<none>	<none>	1/1	Running	0	4m9s
cord-platform-zookeeper-1	10.244.1.31	192.168.12.51	<none>	<none>	1/1	Running	0	3m35s
cord-platform-zookeeper-2	10.244.2.27	192.168.12.53	<none>	<none>	1/1	Running	0	2m47s
etcd-cluster-4btz528zxt	10.244.0.25	192.168.12.52	<none>	<none>	1/1	Running	0	2m38s
etcd-cluster-qpjdpn9wdl	10.244.1.35	192.168.12.51	<none>	<none>	1/1	Running	0	3m2s
etcd-cluster-vg7v7rcdtn	10.244.2.28	192.168.12.53	<none>	<none>	1/1	Running	0	2m22s
kpi-exporter-9b9f87bd5-7xfcw	10.244.2.16	192.168.12.53	<none>	<none>	1/1	Running	3	4m8s
kpi-exporter-9b9f87bd5-gbzpm	10.244.0.17	192.168.12.52	<none>	<none>	1/1	Running	2	4m8s
sadis-server-6c6f649bb4-bfg4m	10.244.2.21	192.168.12.53	<none>	<none>	1/1	Running	1	3m2s
seba-base-kubernetes-tosca-loader-gsdwx					0/1	Completed	2	3m2s

10.244.2.22	192.168.12.53	<none>	<none>				
seba-fabric-6879cd6dc9-dd2xt				1/1	Running	0	3m2s
10.244.2.19	192.168.12.53	<none>	<none>				
seba-fabric-crossconnect-c684c6df5-wvpjp				1/1	Running	0	3m2s
10.244.0.21	192.168.12.52	<none>	<none>				
seba-kubernetes-bb4fcd749-z4nr8				1/1	Running	0	3m2s
10.244.1.32	192.168.12.51	<none>	<none>				
seba-onos-service-86697c97bf-sd2gz				1/1	Running	0	3m2s
10.244.0.22	192.168.12.52	<none>	<none>				
seba-rcord-6975778bf6-brxvb				1/1	Running	0	3m2s
10.244.2.20	192.168.12.53	<none>	<none>				
seba-seba-services-tosca-loader-ddnkz				0/1	Completed	4	3m2s
10.244.1.34	192.168.12.51	<none>	<none>				
seba-volt-f6549c677-qqfcg				1/1	Running	0	3m2s
10.244.1.33	192.168.12.51	<none>	<none>				
xos-chameleon-645f89cb68-5hvlld				1/1	Running	0	4m7s
10.244.1.29	192.168.12.51	<none>	<none>				
xos-core-868868885d-x9tjx				1/1	Running	0	4m7s
10.244.1.30	192.168.12.51	<none>	<none>				
xos-db-7445f8dcb7-6867w				1/1	Running	0	4m8s
10.244.0.18	192.168.12.52	<none>	<none>				
xos-gui-858b98bc9f-pc2b5				1/1	Running	0	4m8s
10.244.1.27	192.168.12.51	<none>	<none>				
xos-tosca-fdbbc894b-2v264				1/1	Running	0	4m7s
10.244.0.20	192.168.12.52	<none>	<none>				
xos-ws-6c76444b89-kj8q7				1/1	Running	0	4m8s
10.244.1.28	192.168.12.51	<none>	<none>				

SEBA Blueprint Logs

Logs for the REC cluster install are published here: https://nexus.akraino.org/content/sites/logs/att/job/Install_SEBA_on_OpenEdge1/

Logs for the SEBA software install are published here: https://nexus.akraino.org/content/sites/logs/att/job/Install_SEBA_Charts_on_OpenEdge1/