Sample cnAAA Configuration

Sample cnAAA Configuration

The following is only a sample configuration file provided solely for your reference. You must create and modify your own configuration file according to the specific needs of your deployment. Use plain text password as applicable.

Note The mandatory parameters are required to ensure that the critical pods such as Policy Builder, CRD, DB (admin and SPR), RADIUS-End point and Policy Engine are in the running state.

```
cloud-user@alpha-master-1:~$ kubectl get pods -A
NAMESPACE        NAME                                                    READY
  STATUS    RESTARTS       AGE
cee-alpha        alert-logger-797bc6465-hdlqj                            1/1
  Running   0              7d21h
cee-alpha        alert-router-674f59995d-fzmlb                           1/1
  Running   0              7d21h
cee-alpha        alertmanager-0                                          2/2
  Running   0              7d23h
cee-alpha        alertmanager-1                                          2/2
  Running   0              7d21h
cee-alpha        alertmanager-2                                          2/2
  Running   0              7d21h
cee-alpha        alertmanager-config-sync-6f8f74cbf6-fkv72               1/1
  Running   1 (2d4h ago)   7d18h
cee-alpha        blackbox-exporter-h8nlx                                 1/1
  Running   1              13d
cee-alpha        blackbox-exporter-qdmrh                                 1/1
  Running   1              13d
cee-alpha        blackbox-exporter-xc522                                 1/1
  Running   1              13d
cee-alpha        bulk-stats-0                                            3/3
  Running   0              7d23h
cee-alpha        bulk-stats-1                                            3/3
  Running   0              7d21h
cee-alpha        cee-alpha-product-documentation-67846bdffb-8w7xs        2/2
  Running   0              7d21h
```

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cee-alpha          core-retriever-7ctxq                                    2/2
   Running   2            13d
cee-alpha          core-retriever-l8x2v                                    2/2
   Running   2            13d
cee-alpha          core-retriever-mpgv5                                    2/2
   Running   2            13d
cee-alpha          core-retriever-wpl76                                    2/2
   Running   2            13d
cee-alpha          core-retriever-zlxjk                                    2/2
   Running   2            13d
cee-alpha          grafana-555f44b84-7s6qc                                 2/2
   Running   0            7d21h
cee-alpha          grafana-555f44b84-wv9sr                                 2/2
   Running   0            7d21h
cee-alpha          grafana-dashboard-metrics-5dc47f98b-vcdvt               1/1
   Running   0            7d21h
cee-alpha          kube-state-metrics-5f7fcfccf-b8j7c                      1/1
   Running   0            7d21h
cee-alpha          logs-retriever-6j2zf                                    1/1
   Running   1            13d
cee-alpha          logs-retriever-9tjlm                                    1/1
   Running   1            13d
cee-alpha          logs-retriever-kt6mk                                    1/1
   Running   1            13d
cee-alpha          logs-retriever-rpdd8                                    1/1
   Running   1            13d
cee-alpha          logs-retriever-xkczp                                    1/1
   Running   1            13d
cee-alpha          node-exporter-69gwg                                     1/1
   Running   0            2d4h
cee-alpha          node-exporter-6ghl9                                     1/1
   Running   0            2d4h
cee-alpha          node-exporter-jxrvd                                     1/1
   Running   0            2d4h
cee-alpha          node-exporter-kxztj                                     1/1
   Running   0            2d4h
cee-alpha          node-exporter-xrv7j                                     1/1
   Running   0            2d4h
cee-alpha          ops-center-cee-alpha-ops-center-54899d9984-469p8        4/4
   Running   0            2d4h
cee-alpha          path-provisioner-6hq6h                                  1/1
   Running   1            13d
cee-alpha          path-provisioner-6m52h                                  1/1
   Running   1            13d
cee-alpha          path-provisioner-f7zr6                                  1/1
   Running   1            13d
cee-alpha          path-provisioner-nnmk9                                  1/1
   Running   1            13d
cee-alpha          path-provisioner-vqblj                                  1/1
   Running   1            13d
cee-alpha          pgpool-7b55b577b9-klh6g                                 1/1
   Running   0            2d4h
cee-alpha          pgpool-7b55b577b9-x6hw7                                 1/1
   Running   0            2d4h
cee-alpha          postgres-0                                              1/1
   Running   0            7d23h
cee-alpha          postgres-1                                              1/1
   Running   0            7d21h
cee-alpha          postgres-2                                              1/1
   Running   0            7d21h
cee-alpha          prometheus-hi-res-0                                     4/4
   Running   0            7d23h
cee-alpha          prometheus-hi-res-1                                     4/4
   Running   0            7d21h
```

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cee-alpha          prometheus-hi-res-2                                          4/4
   Running   0            7d21h
cee-alpha          prometheus-rules-cf645f668-nlsmf                             1/1
   Running   0            7d21h
cee-alpha          prometheus-scrapeconfigs-synch-78f9dd6dbb-hrk94              1/1
   Running   0            7d5h
cee-alpha          pv-manager-84d59c4d4-h6ldw                                   1/1
   Running   0            7d21h
cee-alpha          pv-provisioner-758f6d6875-rkh9l                              1/1
   Running   0            7d21h
cee-alpha          restart-kubelet-888sq                                        1/1
   Running   1            13d
cee-alpha          restart-kubelet-b49nq                                        1/1
   Running   1            13d
cee-alpha          restart-kubelet-h6xbl                                        1/1
   Running   1            13d
cee-alpha          restart-kubelet-hjhwj                                        1/1
   Running   1            13d
cee-alpha          restart-kubelet-r7p7b                                        1/1
   Running   1            13d
cee-alpha          show-tac-manager-86599f9d75-d65rf                            2/2
   Running   0            7d21h
cee-alpha          snmp-trapper-cee-alpha-687nb                                 1/1
   Running   1            8d
cee-alpha          snmp-trapper-cee-alpha-6tkcv                                 1/1
   Running   1            8d
cee-alpha          snmp-trapper-cee-alpha-m9cf5                                 1/1
   Running   1            8d
cee-alpha          snmp-trapper-default-4s24m                                   1/1
   Running   1            8d
cee-alpha          snmp-trapper-default-c9bqn                                   1/1
   Running   1            8d
cee-alpha          snmp-trapper-default-m7swc                                   1/1
   Running   2            8d
cee-alpha          thanos-query-frontend-hi-res-5d8ff67859-h4msn                1/1
   Running   0            7d23h
cee-alpha          thanos-query-frontend-hi-res-5d8ff67859-rfdb4                1/1
   Running   0            7d21h
cee-alpha          thanos-query-frontend-hi-res-5d8ff67859-rw442                1/1
   Running   0            7d21h
cee-alpha          thanos-query-hi-res-68969b56b9-gdkwc                         2/2
   Running   0            7d21h
cee-alpha          thanos-query-hi-res-68969b56b9-snhft                         2/2
   Running   0            7d23h
cee-alpha          thanos-query-hi-res-68969b56b9-t6zft                         2/2
   Running   0            7d21h
chaos-global       chaos-controller-cd9c8fdff-68p58                             2/2
   Running   0            7d18h
chaos-global       chaos-worker-4vzv2                                           2/2
   Running   2            13d
chaos-global       chaos-worker-g28pv                                           2/2
   Running   2            13d
chaos-global       chaos-worker-td2pq                                           2/2
   Running   2            13d
chaos-global       chaos-worker-wg496                                           2/2
   Running   2            13d
chaos-global       chaos-worker-z64jb                                           2/2
   Running   2            13d
chaos-global       ops-center-chaos-global-ops-center-58f8cb786f-2vskv          4/4
   Running   0            2d4h
istio-system       istiod-759c4dd94c-fglr8                                      1/1
   Running   0            7d21h
istio-system       istiod-759c4dd94c-lbkgg                                      1/1
   Running   0            7d21h
```

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istio-system      istiod-759c4dd94c-tqztk                                      1/1
   Running    0            7d21h
kube-system       cilium-2rnf4                                                 1/1
   Running    1            12d
kube-system       cilium-5hrwc                                                 1/1
   Running    1            12d
kube-system       cilium-dqfrw                                                 1/1
   Running    1            12d
kube-system       cilium-envoy-5xs9q                                           1/1
   Running    1            13d
kube-system       cilium-envoy-jpcqq                                           1/1
   Running    1            13d
kube-system       cilium-envoy-pqfh4                                           1/1
   Running    1            13d
kube-system       cilium-envoy-w29l9                                           1/1
   Running    1            13d
kube-system       cilium-envoy-wrrsp                                           1/1
   Running    1            13d
kube-system       cilium-nvq2x                                                 1/1
   Running    1            12d
kube-system       cilium-operator-6cd9578487-s26j2                            1/1
   Running    2            13d
kube-system       cilium-pkq54                                                 1/1
   Running    2            12d
kube-system       cluster-cert-maintainer-ddb8777fb-625qw                      1/1
   Running    0            2d4h
kube-system       coredns-54b8d594bc-bd9xj                                     1/1
   Running    0            2d4h
kube-system       coredns-54b8d594bc-n8zjd                                     1/1
   Running    0            2d4h
kube-system       cpu-sync-js4jr                                               1/1
   Running    0            2d4h
kube-system       cpu-sync-l4mq2                                               1/1
   Running    0            2d4h
kube-system       cpu-sync-zw6rn                                               1/1
   Running    0            2d4h
kube-system       etcd-alpha-master-1                                          1/1
   Running    1            13d
kube-system       etcd-alpha-master-2                                          1/1
   Running    1            13d
kube-system       etcd-alpha-master-3                                          1/1
   Running    1            13d
kube-system       hubble-relay-b5cb8c7f8-kmpz6                                 1/1
   Running    0            7d18h
kube-system       hubble-ui-67bb5d95f8-qhzwx                                   2/2
   Running    0            7d18h
kube-system       journald-adapter-ck9xn                                       1/1
   Running    1            13d
kube-system       journald-adapter-fm7tb                                       1/1
   Running    1            13d
kube-system       journald-adapter-m6jzn                                       1/1
   Running    1            13d
kube-system       journald-adapter-nf5jf                                       1/1
   Running    1            13d
kube-system       journald-adapter-thhhs                                       1/1
   Running    2            13d
kube-system       kube-apiserver-alpha-master-1                                1/1
   Running    1            13d
kube-system       kube-apiserver-alpha-master-2                                1/1
   Running    1            13d
kube-system       kube-apiserver-alpha-master-3                                1/1
   Running    1            13d
kube-system       kube-controller-manager-alpha-master-1                       1/1
   Running    3            13d
```

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kube-system       kube-controller-manager-alpha-master-2                           1/1
    Running   1             13d
kube-system       kube-controller-manager-alpha-master-3                           1/1
    Running   1             13d
kube-system       kube-scheduler-alpha-master-1                                    1/1
    Running   2             13d
kube-system       kube-scheduler-alpha-master-2                                    1/1
    Running   1             13d
kube-system       kube-scheduler-alpha-master-3                                    1/1
    Running   1             13d
kube-system       maintainer-gk7dq                                                 1/1
    Running   0             2d4h
kube-system       maintainer-ksnzs                                                 1/1
    Running   0             2d4h
kube-system       maintainer-rfw49                                                 1/1
    Running   0             2d4h
kube-system       maintainer-tqzt5                                                 1/1
    Running   0             2d4h
kube-system       maintainer-v86sb                                                 1/1
    Running   0             2d4h
kube-system       user-password-monitor-bv96h                                      1/1
    Running   0             2d4h
kube-system       user-password-monitor-dhzn5                                      1/1
    Running   0             2d4h
kube-system       user-password-monitor-mf4hs                                      1/1
    Running   0             2d4h
kube-system       user-password-monitor-pb4tr                                      1/1
    Running   0             2d4h
kube-system       user-password-monitor-pg4pd                                      1/1
    Running   0             2d4h
lbs-alpha         lbs-agent-6dq7r                                                  1/1
    Running   0             7d21h
lbs-alpha         lbs-agent-7lzpv                                                  1/1
    Running   0             7d21h
lbs-alpha         lbs-agent-pw444                                                  1/1
    Running   2             7d21h
lbs-alpha         lbs-agent-qvhml                                                  1/1
    Running   2             7d21h
lbs-alpha         lbs-agent-s9db7                                                  1/1
    Running   2             7d21h
lbs-alpha         lbs-operator-5f6d4b8648-lncld                                    2/2
    Running   0             7d21h
lbs-alpha         ops-center-lbs-alpha-ops-center-57dc5df798-x49zc                 4/4
    Running   0             7d5h
nginx-ingress     nginx-ingress-ingress-nginx-controller-754594c4d6-c5ffp          1/1
    Running   0             7d23h
nginx-ingress     nginx-ingress-ingress-nginx-controller-754594c4d6-rsn9n          1/1
    Running   0             7d21h
nginx-ingress     nginx-ingress-ingress-nginx-controller-754594c4d6-wnmt4          1/1
    Running   0             7d21h
nginx-ingress     nginx-ingress-ingress-nginx-defaultbackend-5f6687fbfb-qxsfp      1/1
    Running   0             7d21h
<namespace>       admin-db-0                                                       1/1
    Running   0             7d2h
<namespace>       admin-db-1                                                       1/1
    Running   0             7d2h
<namespace>       base-entitlement-pcf-79797d9b7c-4qgmd                            1/1
    Running   0             7d21h
<namespace>       br-controller-scdb-6d8bf99679-nbnjw                              1/1
    Running   0             7d2h
<namespace>       cdl-ep-session-c1-d0-8ffd988f7-2bg7p                             1/1
    Running   0             7d2h
<namespace>       cdl-ep-session-c1-d0-8ffd988f7-vsbn8                             1/1
    Running   0             7d2h
```

```
<namespace>        cdl-index-session-c1-m1-0                                            1/1
     Running   0          7d2h
<namespace>        cdl-index-session-c1-m1-1                                            1/1
     Running   0          7d2h
<namespace>        cdl-index-session-c1-m2-0                                            1/1
     Running   0          7d2h
<namespace>        cdl-index-session-c1-m2-1                                            1/1
     Running   0          7d2h
<namespace>        cdl-index-session-c1-m3-0                                            1/1
     Running   0          7d2h
<namespace>        cdl-index-session-c1-m3-1                                            1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m1-0                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m1-1                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m2-0                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m2-1                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m3-0                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m3-1                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m4-0                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m4-1                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m5-0                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m5-1                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m6-0                                             1/1
     Running   0          7d2h
<namespace>        cdl-slot-session-c1-m6-1                                             1/1
     Running   0          7d2h
<namespace>        consolidated-aaa-logging-0                                          1/1
     Running   0          7d2h
<namespace>        consolidated-logging-0                                              1/1
     Running   0          7d2h
<namespace>        controlcenter-<namespace>-pcf-engine-app-production-rjio-5bcpjv6b   3/3
     Running   5          7d2h
<namespace>        crd-api-<namespace>-pcf-engine-app-production-rjio-6bcdf5b547b8xt    2/2
     Running   5          7d2h
<namespace>        db-admin-0                                                          1/1
     Running   0          7d2h
<namespace>        db-admin-1                                                          1/1
     Running   0          7d2h
<namespace>        db-admin-2                                                          1/1
     Running   0          7d2h
<namespace>        db-admin-config-0                                                   1/1
     Running   0          7d2h
<namespace>        db-admin-config-1                                                   1/1
     Running   0          7d2h
<namespace>        db-admin-config-2                                                   1/1
     Running   0          7d2h
<namespace>        db-scdb-sdb-subscriber1-0                                           1/1
     Running   0          7d2h
<namespace>        db-scdb-sdb-subscriber1-1                                           1/1
     Running   0          7d2h
<namespace>        db-scdb-sdb-subscriber1-2                                           1/1
     Running   0          7d2h
<namespace>        db-spr-config-0                                                     1/1
     Running   0          7d2h
```

```
<namespace>         db-spr-config-1                                                   1/1
      Running   0               7d2h
<namespace>         db-spr-config-2                                                   1/1
      Running   0               7d2h
<namespace>         db-spr1-0                                                         1/1
      Running   0               7d2h
<namespace>         db-spr1-1                                                         1/1
      Running   0               7d2h
<namespace>         db-spr1-2                                                         1/1
      Running   0               7d2h
<namespace>         etcd-<namespace>-etcd-cluster-0                                   2/2
      Running   0               7d2h
<namespace>         etcd-<namespace>-etcd-cluster-1                                   2/2
      Running   0               7d2h
<namespace>         etcd-<namespace>-etcd-cluster-2                                   2/2
      Running   0               7d2h
<namespace>         grafana-dashboard-cdl-<namespace>-7f7bb99f47-2zr82                1/1
      Running   0               7d2h
<namespace>         grafana-dashboard-etcd-<namespace>-7cfdf8ddc5-wftlc               1/1
      Running   0               7d2h
<namespace>         grafana-dashboard-pcf-585fb9c5b7-h2jd9                            1/1
      Running   0               7d2h
<namespace>         kafka-0                                                           2/2
      Running   0               7d2h
<namespace>         kafka-1                                                           2/2
      Running   0               7d2h
<namespace>         kafka-2                                                           2/2
      Running   0               7d2h
<namespace>         lbvip02-86dcc76fb7-26bb5                                          1/1
      Running   0               7d2h
<namespace>         network-query-222vs                                              1/1
      Running   0               7d2h
<namespace>         network-query-7thw5                                              1/1
      Running   0               7d2h
<namespace>         network-query-9s8cs                                              1/1
      Running   0               7d2h
<namespace>         network-query-csq7f                                              1/1
      Running   0               7d2h
<namespace>         network-query-lqjvp                                              1/1
      Running   0               7d2h
<namespace>         ops-center-<namespace>-ops-center-5b747dc456-8vwkn                4/4
      Running   0               7d5h
<namespace>         patch-server-<namespace>-cnat-cps-infrastructure-57698b85b6-z476p 1/1
      Running   0               7d2h
<namespace>         pcf-engine-<namespace>-pcf-engine-app-production-rjio-8647c6b228l  5/5
      Running   5               7d2h
<namespace>         pcf-engine-<namespace>-pcf-engine-app-production-rjio-8647c6czfzl  5/5
      Running   5               7d2h
<namespace>         pcf-engine-<namespace>-pcf-engine-app-production-rjio-8647c6f9dj7  5/5
      Running   5               7d2h
<namespace>         pcf-prometheus-rules-74fb759cd4-lv7ns                             2/2
      Running   0               7d2h
<namespace>         pcf-utilities-0                                                   1/1
      Running   0               7d2h
<namespace>         policy-builder-<namespace>-pcf-engine-app-production-rjio-588nbvs 1/1
      Running   2               7d2h
<namespace>         prometheus-rules-cdl-7655b49bf-652dk                              1/1
      Running   0               7d2h
<namespace>         prometheus-rules-etcd-7b5c7dc847-kjndn                            1/1
      Running   0               7d2h
<namespace>         radius-ep-0                                                       2/2
      Running   4               7d2h
<namespace>         radius-ep-1                                                       2/2
      Running   5               7d2h
```

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<namespace>        radius-ep-2                                              2/2
     Running   5            7d2h
<namespace>        redis-keystore-0                                         2/2
     Running   0            7d2h
<namespace>        redis-keystore-1                                         2/2
     Running   0            7d2h
<namespace>        redis-queue-0                                            2/2
     Running   0            7d2h
<namespace>        redis-queue-1                                            2/2
     Running   0            7d2h
<namespace>        redis-queue-2                                            2/2
     Running   0            7d2h
<namespace>        rs-controller-admin-b64548888-855lb                      2/2
     Running   0            7d2h
<namespace>        rs-controller-admin-config-66f6b6cfdb-2gxcl              1/1
     Running   0            7d2h
<namespace>        rs-controller-scdb-sdb-subscriber1-667df76585-n4n7s      1/1
     Running   0            7d2h
<namespace>        rs-controller-spr-config-68f7488794-6v4vc                1/1
     Running   0            7d2h
<namespace>        rs-controller-spr1-69bbf65dcd-ppsck                      1/1
     Running   0            7d2h
<namespace>        smart-agent-<namespace>-ops-center-78cb748f88-snlkm      1/1
      Running   0            7d21h
<namespace>        svn-0                                                    2/2
     Running   0            7d2h
<namespace>        traceid-0                                                1/1
     Running   0            7d2h
<namespace>        zookeeper-0                                              1/1
     Running   0            7d2h
<namespace>        zookeeper-1                                              1/1
     Running   0            7d2h
<namespace>        zookeeper-2                                              1/1
     Running   0            7d2h
registry        charts-cee-2025-01-1-i14-0                                  1/1
  Running   0            2d4h
registry        charts-cee-2025-01-1-i14-1                                  1/1
  Running   0            2d4h
registry        charts-cee-2025-01-1-i14-2                                  1/1
  Running   0            2d4h
registry        charts-cpc-2025-01-0-i84-0                                  1/1
  Running   0            7d21h
registry        charts-cpc-2025-01-0-i84-1                                  1/1
  Running   0            7d21h
registry        charts-cpc-2025-01-0-i84-2                                  1/1
  Running   0            7d23h
registry        charts-ulb-2025-01-0-i6-0                                   1/1
  Running   0            7d23h
registry        charts-ulb-2025-01-0-i6-1                                   1/1
  Running   0            7d21h
registry        charts-ulb-2025-01-0-i6-2                                   1/1
  Running   0            7d21h
registry        registry-cee-2025-01-1-i14-0                                1/1
  Running   0            2d4h
registry        registry-cee-2025-01-1-i14-1                                1/1
  Running   0            2d4h
registry        registry-cee-2025-01-1-i14-2                                1/1
  Running   0            2d4h
registry        registry-cpc-2025-01-0-i84-0                                1/1
  Running   0            7d21h
registry        registry-cpc-2025-01-0-i84-1                                1/1
  Running   0            7d23h
registry        registry-cpc-2025-01-0-i84-2                                1/1
  Running   0            7d21h
```

```
registry        registry-ulb-2025-01-0-i6-0                           1/1
  Running   0           7d23h
registry        registry-ulb-2025-01-0-i6-1                           1/1
  Running   0           7d21h
registry        registry-ulb-2025-01-0-i6-2                           1/1
  Running   0           7d21h
registry        software-unpacker-0                                    1/1
  Running   0           7d23h
registry        software-unpacker-1                                    1/1
  Running   0           7d21h
registry        software-unpacker-2                                    1/1
  Running   0           7d21h
smi-certs       ss-cert-provisioner-65f8ffdf96-f2kzq                   1/1
  Running   0           7d21h
smi-ops-control opscenter-controller-974777585-6l66g                   1/1
  Running   0           7d5h
smi-vips        keepalived-bvjc4                                       3/3
  Running   5           13d
smi-vips        keepalived-ccbjn                                       3/3
  Running   5           13d
smi-vips        keepalived-hkmnj                                       3/3
  Running   5           13d
smi-vips        keepalived-w4bmw                                       3/3
  Running   5           13d
smi-vips        keepalived-x57b2                                       3/3
  Running   5           13d
cloud-user@alpha-master-1:~$


cloud-user@alpha-master-1:~$ kubectl get pods -A | grep 0/
cloud-user@alpha-master-1:~$

cloud-user@alpha-master-1:~$ kubectl get pods -A | awk 'NR==1 || (split($3,a,"/") &&
a[1]!=a[2])'
NAMESPACE        NAME                                                  READY
  STATUS    RESTARTS        AGE
cloud-user@alpha-master-1:~$

cloud-user@alpha-master-1:~$ kubectl get pods -A | grep -v Running
NAMESPACE        NAME                                                  READY
  STATUS    RESTARTS        AGE
cloud-user@alpha-master-1:~$


cloud-user@alpha-master-1:~$ helm ls -n <namespace>
NAME                                      NAMESPACE    REVISION    UPDATED
                        STATUS       CHART
                  APP VERSION
<namespace>-cnat-cps-infrastructure       <namespace>    1         2025-01-22
 09:25:12.302092085 +0000 UTC deployed
cnat-cps-infrastructure-0.6.10-dev-cpc-2025-01-0050-250113145752-ccfb651
BUILD_2025.01.0.i84
<namespace>-cps-radius-ep                 <namespace>    1         2025-01-22
 09:25:12.314792736 +0000 UTC deployed
cps-radius-ep-0.6.43-dev-cpc-2025-01-0117-250113145837-79379ea
BUILD_2025.01.0.i84
<namespace>-etcd-cluster                  <namespace>    1         2025-01-22
 09:25:12.306024478 +0000 UTC deployed      etcd-cluster-1.6.0-1-6-0154-241127115736-ca72f04
                  BUILD_2025.01.0.i84
<namespace>-network-query                 <namespace>    1         2025-01-22
 09:25:12.31344704 +0000 UTC  deployed
network-query-0.5.4-dev-cpc-2025-01-0085-250113113356-5fecffc
BUILD_2025.01.0.i84
<namespace>-ngn-datastore                 <namespace>    1         2025-01-22
```

```
   09:25:12.312562639 +0000 UTC deployed
ngn-datastore-1.12.0-1-12-1049-250108155638-6f9b7b0
BUILD_2025.01.0.i84
<namespace>-ops-center                    <namespace>      3          2025-01-22
 05:50:50.022064334 +0000 UTC deployed
pcf-ops-center-0.6.32-dev-cpc-2025-01-0540-250114095843-adb26ce
BUILD_2025.01.0.i84
<namespace>-pcf-config                     <namespace>      1          2025-01-22
 09:25:12.314287792 +0000 UTC deployed
pcf-config-0.6.3-dev-cpc-2025-01-0028-250113150230-f686b68
BUILD_2025.01.0.i84
<namespace>-pcf-dashboard                  <namespace>      1          2025-01-22
 09:25:12.305991736 +0000 UTC deployed
pcf-dashboard-0.2.17-dev-cpc-2025-01-0178-250113150137-30d1bc0
BUILD_2025.01.0.i84
<namespace>-pcf-engine-app-production-rjio     <namespace>      1          2025-01-22
 09:25:12.312781104 +0000 UTC deployed
pcf-engine-app-0.9.1-dev-cpc-2025-01-0741-250120133559-dded5d5
BUILD_2025.01.0.i84
<namespace>-pcf-oam-app                    <namespace>      1          2025-01-22
 09:25:12.306231511 +0000 UTC deployed
pcf-oam-app-0.6.2-dev-cpc-2025-01-0021-250114095926-8be6401
BUILD_2025.01.0.i84
<namespace>-pcf-services                   <namespace>      1          2025-01-22
 09:25:12.316334935 +0000 UTC deployed
pcf-services-0.6.17-dev-cpc-2025-01-0081-250113150000-3a1c3c8
BUILD_2025.01.0.i84
cloud-user@alpha-master-1:~$


cloud-user@alpha-master-1:~$ kubectl get pods -n cpc-alpha | grep db-admin
db-admin-0                                             1/1     Running   0
    7d2h
db-admin-1                                             1/1     Running   0
    7d2h
db-admin-2                                             1/1     Running   0
    7d2h
db-admin-config-0                                      1/1     Running   0
    7d2h
db-admin-config-1                                      1/1     Running   0
    7d2h
db-admin-config-2                                      1/1     Running   0
    7d2h
cloud-user@alpha-master-1:~$
```

> **Note** The Engine pod retains the `'pcf-engine'` designation for backward compatibility.

cnAAA GR configurations

cnAAA Ops-Center Configuration for GR Site01

This is only a sample configuration of cnAAA Ops-Center settings for GR Site01 provided solely for your reference. You must create and modify your own configuration file according to the specific needs of your deployment.Use plain text password as applicable.

```
datastore primary-endpoint connection-settings keep-alive keep-alive-time-ms 200
```

```
datastore primary-endpoint connection-settings channel count 4

datastore primary-endpoint connection-settings timeout-ms 600

datastore external-endpoints datastore

connection-settings keep-alive keep-alive-time-ms 200

connection-settings channel count 4

connection-settings timeout-ms 500

exit

db global-settings db-replica 3

db global-settings volume-storage-class local

db global-settings backup-settings scp-server host 192.0.2.1

db global-settings backup-settings scp-server port 22

db global-settings backup-settings scp-server user-name cloud-user

db global-settings backup-settings scp-server password
$8$50BpcgMJlN/L3zOKLFOImY/Fs5u1kUT40FYBV8gvKIs=

db global-settings backup-settings scp-server remote-backup-path /home/cloud-user/Backup_user

db scdb replica-name admin-db

port      65005

interface vlan2400

resource cpu limit 3000

resource memory limit 20000

replica-set-label key smi.cisco.com/node-type-5

replica-set-label value admin-db

member-configuration member sdb-rs4-s1-arbiter1

  host    192.0.2.2

  arbiter true

  site    local

exit

member-configuration member sdb-rs4-s1-arbiter2

  host    192.0.2.3

  arbiter true

  site    remote

exit

member-configuration member sdb-rs4-s1-m1
```

```
    host     192.0.2.4

    arbiter  false

    priority 104

    site     local

exit

member-configuration member sdb-rs4-s1-m2

    host     192.0.2.5

    arbiter  false

    priority 103

    site     local

exit

member-configuration member sdb-rs4-s2-m1

    host     192.0.2.6

    arbiter  false

    priority 102

    site     remote

exit

member-configuration member sdb-rs4-s2-m2

    host     192.0.2.7

    arbiter  false

    priority 101

    site     remote

exit

member-configuration member sdb-rs4-s3-arbiter3

    host     192.0.2.8

    arbiter true

    site     remote

exit

exit

db scdb replica-name sdb-spr01

port     65001

interface vlan2400
```

```
resource cpu limit 3000

resource memory limit 20000

replica-set-label key smi.cisco.com/node-type

replica-set-label value oam

member-configuration member sdb-rs1-s1-arbiter1

  host    192.0.2.2

  arbiter true

  site    local

exit

member-configuration member sdb-rs1-s1-arbiter2

  host    192.0.2.3

  arbiter true

  site    remote

exit

member-configuration member sdb-rs1-s1-m1

  host    192.0.2.4

  arbiter  false

  priority 104

  site    local

exit

member-configuration member sdb-rs1-s1-m2

  host    192.0.2.5

  arbiter  false

  priority 103

  site    local

exit

member-configuration member sdb-rs1-s2-m1

  host    192.0.2.6

  arbiter  false

  priority 102

  site    remote

exit
```

```
member-configuration member sdb-rs1-s2-m2

  host     192.0.2.7

  arbiter  false

  priority 101

  site     remote

exit

member-configuration member sdb-rs1-s3-arbiter3

  host     192.0.2.8

  arbiter true

  site     remote

exit

exit

db scdb replica-name sdb-spr02

port      65002

interface vlan2400

resource cpu limit 3000

resource memory limit 20000

replica-set-label key smi.cisco.com/node-type

replica-set-label value oam

member-configuration member sdb-rs2-s1-arbiter1

  host     192.0.2.2

  arbiter true

  site    local

exit

member-configuration member sdb-rs2-s1-arbiter2

  host     192.0.2.3

  arbiter true

  site     remote

exit

member-configuration member sdb-rs2-s1-m1

  host     192.0.2.4

  arbiter  false
```

```
    priority 104

      site     local

exit

member-configuration member sdb-rs2-s1-m2

      host     192.0.2.5

      arbiter  false

      priority 103

      site     local

exit

member-configuration member sdb-rs2-s2-m1

      host     192.0.2.6

      arbiter  false

      priority 102

      site     remote

exit

member-configuration member sdb-rs2-s2-m2

      host     192.0.2.7

      arbiter  false

      priority 101

      site     remote

exit

member-configuration member sdb-rs2-s3-arbiter3

      host     192.0.2.8

      arbiter true

      site     remote

exit

exit

db scdb replica-name sdb-spr03

port      65003

interface vlan2400

resource cpu limit 3000

resource memory limit 20000
```

```
replica-set-label key smi.cisco.com/node-type

replica-set-label value oam

member-configuration member sdb-rs3-s1-arbiter1

  host    192.0.2.2

  arbiter true

  site    local

exit

member-configuration member sdb-rs3-s1-arbiter2

  host    192.0.2.3

  arbiter true

  site    remote

exit

member-configuration member sdb-rs3-s1-m1

  host     192.0.2.4

  arbiter  false

  priority 104

  site     local

exit

member-configuration member sdb-rs3-s1-m2

  host     192.0.2.5

  arbiter  false

  priority 103

  site     local

exit

member-configuration member sdb-rs3-s2-m1

  host     192.0.2.6

  arbiter  false

  priority 102

  site     remote

exit

member-configuration member sdb-rs3-s2-m2

  host     192.0.2.7
```

```
   arbiter   false

   priority 101

   site      remote

exit

member-configuration member sdb-rs3-s3-arbiter3

   host     192.0.2.8

   arbiter true

   site      remote

exit

exit

debug tracing type DISABLED

debug backup-config backup-type all

debug backup-config username admin

debug backup-config password $8$i3KyeobVckgOGTJUafPaBlHJrAiz+clYTAWqUdUwf1U=

debug backup-config svn-url http://svn/repos/RJIL_PB_APR25

debug backup-config scp-server-user-name root

debug backup-config scp-server-user-ip 192.0.2.9

debug backup-config scp-server-dest-backup-path /opt/Auto-bkp

debug backup-config scp-server-user-password $8$OWABKOFKlplELtLz4yCltDfdHK0Yk+ES/MxP1YK9PSw=

debug backup-config pb-ingress
pb.CPC-gamma-cncps-CPC-engine-app-CPC01production.192.0.2.10.nip.io

debug backup-config crd-ingress
crd-api.CPC-gamma-cncps-CPC-engine-app-CPC01production.192.0.2.10.nip.io

debug logging default-level error

debug logging logger com.broadhop

level error

exit

debug logging logger com.broadhop.balance.impl.autowire.AutowireBalanceManagerBlueprint

level error

exit

debug logging logger com.broadhop.balance.impl.policyintel.PolicyStateStub

level error

exit
```

```
debug logging logger com.broadhop.custrefdata.impl.CustomerReferenceDataManager

level debug

exit

debug logging logger com.broadhop.custrefdata.impl.dao.GenericDao

level debug

exit

debug logging logger com.broadhop.licensing.impl.LicenseCountRequestHandler

level debug

exit

debug logging logger com.broadhop.licensing.impl.LicenseManagerProxy

level debug

exit

debug logging logger com.broadhop.licensing.impl.PrometheusMetricsApi

level debug

exit

debug logging logger com.broadhop.licensing.impl.SmartLicenceMongo

level debug

exit

debug logging logger com.broadhop.radius

level error

exit

debug logging logger com.broadhop.radius.impl.devicemanager

level error

exit

debug logging logger com.broadhop.radius.messages.impl

level debug

exit

debug logging logger com.broadhop.radius.policy.RadiusDelayedStartupManager

level error

exit

debug logging logger com.broadhop.radius.policy.event

level debug
```

```
exit

debug logging logger com.broadhop.radius.policy.event.RadiusMessageDealer

level error

exit

debug logging logger com.broadhop.referencedata.impl

level debug

exit

debug logging logger com.broadhop.referencedata.impl.ReferenceDataManager

level error

exit

debug logging logger com.broadhop.resource.impl

level debug

exit

debug logging logger com.broadhop.resource.impl.ResourceChangeMonitor

level error

exit

debug logging logger com.broadhop.runtime.impl

level error

exit

debug logging logger com.cisco.radius.endpoint.impl

level error

exit

debug logging logger com.cisco.radius.endpoint.utility.LeaderSelector

level debug

exit

debug logging logger com.cisco.radius.smart.licensing.LicenseKPIManager

level debug

exit

debug logging logger policy.engine

level debug

exit

features patching ingress-enabled true
```

```
testing enforce-affinity-rules true

pods-management disable-pods [ redis network-query traceid ]

advance-tuning redis-password $8$GzehhS3rBaAM2cW0bihnzHbSDGL03E/N1L0fekMsHw8=

advance-tuning slice-access-control disabled

advance-tuning slice-based-nf-selection chf disabled

advance-tuning app-resource-control rest-ep memory max-heap-size 4

advance-tuning app-resource-control rest-ep memory new-gen-size 3

advance-tuning async-threading default-worker-threads 25

advance-tuning async-threading default-queue-size 120

advance-tuning async-threading default-processing-threads 12

advance-tuning async-threading http2-connect-timeout-ms 120

advance-tuning async-threading http2-idle-connection-timeout-sec 60

radius bind-ipv4 [ 198.51.100.1 ]

radius bind-ipv6 [ 2001:db8::10:1:42:142 ]

radius replicas 3

radius lbs-service true

radius settings request-timeout-ms 5000

radius settings max-tries  1

radius settings min-processing-time-millis 3000

radius settings backoff-time-millis 1000

radius advance-tuning throttling-limit 100

radius advance-tuning coa-throttlling-for-asr9k-pep true

radius message-authenticator access-accept false

radius message-authenticator accounting-response false

radius device-group ASR9K

default-shared-secret     $8$dqP6Y3ne6pOEg0jjPshAAvOf94SIe1gPlyR/rxdl9kc=

default-coa-shared-secret $8$eAVvx1N1zDAJUVBSsxEwK9ReGIdk16AThB1hfQnNTKg=

coa-port                  3799

coa-retries               3

coa-timeout-seconds       3

device EX-BNG1

  ip                198.51.100.2
```

```
  shared-secret      $8$Pn/NW5P02PfeWgff9E9sqc8dECtU2TSLJ+TnzVdRYOc=

  coa-shared-secret  $8$DC5x/I2KI8UD8VsjXJJHNmWzeDPsaBl2HrXESADjDj0=

  loopback-addresses [ 192.0.2.11 ]

exit

device EX-BNG2

  ip                 198.51.100.3

  shared-secret      $8$R5LNawhpHvCtjHdemcGdDkVHv4/Gebh28uhm2ylZYjU=

  coa-shared-secret  $8$vQhG90kIXVTwmLaqLhj2rxZ3XyxDGW/nKf0ZeIw7ifU=

  loopback-addresses [ 192.0.2.11 ]

exit

device EX-BNG3

  ip                 198.51.100.4

  shared-secret      $8$qDifuNqPGwsCsGODUT+NA6Ypf7G51izfB449i5WIXyk=

  coa-shared-secret  $8$ZVnedWz3Xq+h7QsxlzuFXaIPBY3QoWpFUezjC8EsO4A=

  loopback-addresses [ 192.0.2.11 ]

exit

exit

radius server-group grp1

servers DEL_OCS

  primary            198.51.100.5

  secondary          198.51.100.6

  nas-ip             192.0.2.12

  accounting-port    1805

  authorization-port 1802

  auth-protocol      PAP

  radius-password    $8$rgcQTgLEudJdUtfCgLwAYC16ktAi4Xu7qjF/riX02Dg=

  shared-secret      $8$30UyK5lB2EwfzEPYWrXS/sn+DWfOXzm6XV3s7D8Wq+0=

  timeout-seconds    3

  test-message       false

  test-userid        test

  test-password      $8$RpDHAuN/zCZYroXNasrvul/ocQHve4GVGxiLnFVTLg0=

  thread-pool-size   300
```

```
        server-type        online

    max-proxy-queue-size 50000

    retries            3

exit

servers GUJ_OCS

    primary            198.51.100.7

    secondary          198.51.100.8

    nas-ip             192.0.2.12

    accounting-port    1805

    authorization-port 1802

    auth-protocol      PAP

    radius-password    $8$uABWJQgerqpneO6gd2AGaSAIxCitNpH69PG+9jFW9fg=

    shared-secret      $8$OU/UwXacpI9i/N9ftnCAbqa04CA0MjDX2LnnQW2eLEM=

    timeout-seconds    3

    test-message       false

    test-userid        test

    test-password      $8$Ua4NmzgUbJ3EA1v86eE2fMMtF3pm1Ghb0WueZOepXhA=

    thread-pool-size   300

    server-type        online

    max-proxy-queue-size 50000

    retries            3

exit

servers LUCK_OCS

    primary            198.51.100.9

    secondary          198.51.100.10

    nas-ip             192.0.2.12

    accounting-port    1805

    authorization-port 1802

    auth-protocol      PAP

    radius-password    $8$U4EOrGRDyN8nq96aVVsZlei3DkGbdEfqQQL444t0ufw=

    shared-secret      $8$Tgq1MKmmRs195IeZNEWreCQpOIeWiJhN62sF5Cp8W84=

    timeout-seconds    3
```

```
       test-message         false

       test-userid          test

       test-password        $8$9F9a+1KCLxXLIg0mpeSPasKBNDpuBvYTQIFOgYNGy5c=

       thread-pool-size     300

       server-type          online

       max-proxy-queue-size 50000

       retries              3
   exit

   servers PBHR_OCS

       primary              198.51.100.11

       secondary            198.51.100.12

       nas-ip               192.0.2.12

       accounting-port      1805

       authorization-port   1802

       auth-protocol        PAP

       radius-password      $8$cA7xG56sPrhWYYccYGHCuozy7t8CAtc/q5TCTX0CZLo=

       shared-secret        $8$37deIR+G0mdMhH9rSn3OfQ6scAtHYvtQgWF5o19zBak=

       timeout-seconds      3

       test-message         false

       test-userid          test

       test-password        $8$Ko8EAV1Sdv/6OgMwJHGAiiGeJeRTt/MI+jQocQS3Dvs=

       thread-pool-size     300

       server-type          online

       max-proxy-queue-size 50000

       retries              3
   exit

   servers PassiveMZ-12997

       primary              198.51.100.13

       secondary            198.51.100.14

       nas-ip               192.0.2.12

       accounting-port      1805

       authorization-port   1802
```

```
            auth-protocol       PAP

            radius-password     $8$IqebiUpWoztzVa+L0dVdXxBEGApCZ9Q68Jj3T8HKHWM=

            shared-secret       $8$5XrbqUxj+vdcZCyfVEglaw6NHMCD87D1RyMUxjEqJfM=

            timeout-seconds     3

            test-message        false

            test-userid         test

            test-password       $8$W192Tn+h2sf7DW8dc4dy/O+kpCNX5S2/SjerSIMmFp4=

            thread-pool-size    300

            server-type         offline

           max-proxy-queue-size 50000

            retries             3

        exit

        exit

        radius async-threading-configuration default-processing-threads 100

        radius async-threading-configuration default-action-priority 5

        radius async-threading-configuration default-action-threads 100

        radius async-threading-configuration default-action-queue-size 400000

        radius async-threading-configuration default-action-drop-oldest-when-full true

        radius properties PROMETHEUS_PORT

        value 9099

        exit

        radius properties backOffRetryCoA.CoANackErrorCause

        value 405,506,1001

        exit

        radius properties backOffRetryCoA.constantdelayInSeconds

        value 60

        exit

        radius properties backOffRetryCoA.maxRetransmission

        value 3

        exit

        radius properties com.broadhop.pep.ipv6.enable.feature

        value true
```

```
exit

radius properties enable.radius.auth

value true

exit

radius properties grpc.executors

value 40

exit

radius properties grpc.request.proxyAccounting.timeoutMillies

value 3000

exit

radius properties grpc.timeoutMs.processing

value 15000

exit

radius properties io.netty.eventLoopThreads

value 100

exit

radius properties parallelChannelCount

value 10

exit

radius properties prometheusPort

value 9099

exit

radius properties radiusCorePoolSize

value 40

exit

radius properties radiusMaxQueue

value 4000

exit

radius properties smart.license.kpi.interval.mins

value 1

exit

radius properties traps.tps
```

```
value 5000

exit

radius properties udpMaxQueue

value 4000

exit

radius properties udpPoolSize

value 40

exit

api unified engine-group CPC01production

api unified externalIPs [ 198.51.100.15 ]

api unified external-port 8080

engine CPC01production

config-lock          false

replicas             3

subversion-run-url    http://svn/repos/run

subversion-config-url http://svn/repos/configuration

tracing-service-name  CPC-engine

crdapi crd-mongo-cache-refresh-interval 10000

crdapi admin-db primary 192.0.2.4

crdapi admin-db secondary 192.0.2.5

crdapi admin-db port 65005

properties GeoSiteName

  value gamma_site1

exit

properties balanceKeyHashAvpName

  value SprKeyHash

exit

properties broadcast.tps

  value 500

exit

properties cc.ua.soap.url

  value http://127.0.0.1:8080/apirouter
```

```
exit

properties coaThrottlingPerBng

  value true

exit

properties com.broadhop.SrgBngSwitchOverEnable

  value true

exit

properties com.broadhop.cc.login.details.feature

  value true

exit

properties com.broadhop.domain.ipv6.enable.feature

  value true

exit

properties com.broadhop.pb.login.details.feature

  value true

exit

properties com.broadhop.pb.publish.audit.feature

  value true

exit

properties com.broadhop.pep.ipv6.enable.feature

  value

exit

license smart reservation

system mode running
```

cnAAA Ops Center Configuration for GR Site02

This is only a sample configuration of cnAAA Ops Center settings for Site02 provided solely for your reference. You must create and modify your own configuration file according to the specific needs of your deployment.

```
datastore primary-endpoint connection-settings keep-alive keep-alive-time-ms 200

datastore primary-endpoint connection-settings channel count 4

datastore primary-endpoint connection-settings timeout-ms 600

datastore external-endpoints datastore

connection-settings keep-alive keep-alive-time-ms 200
```

```
connection-settings channel count 4

connection-settings timeout-ms 500

exit

db global-settings db-replica 3

db global-settings volume-storage-class local

db scdb replica-name admin-db

port      65005

interface vlan2400

resource cpu limit 3000

resource memory limit 20000

replica-set-label key smi.cisco.com/node-type-5

replica-set-label value admin-db

member-configuration member sdb-rs4-s1-arbiter1

   host    192.0.2.1

   arbiter true

   site    remote

exit

member-configuration member sdb-rs4-s1-arbiter2

   host    192.0.2.2

   arbiter true

   site    local

exit

member-configuration member sdb-rs4-s1-m1

   host     192.0.2.3

   arbiter  false

   priority 104

   site     remote

exit

member-configuration member sdb-rs4-s1-m2

   host     192.0.2.4

   arbiter  false

   priority 103
```

```
    site      remote

exit

member-configuration member sdb-rs4-s2-m1

  host      192.0.2.5

  arbiter   false

  priority 102

  site      local

exit

member-configuration member sdb-rs4-s2-m2

  host      192.0.2.6

  arbiter   false

  priority 101

  site      local

exit

member-configuration member sdb-rs4-s3-arbiter3

  host      192.0.2.7

  arbiter true

  site      remote

exit

exit

db scdb replica-name sdb-spr01

port      65001

interface vlan2400

resource cpu limit 3000

resource memory limit 20000

replica-set-label key smi.cisco.com/node-type

replica-set-label value oam

member-configuration member sdb-rs1-s1-arbiter1

  host    192.0.2.1

  arbiter true

  site      remote

exit
```

```
member-configuration member sdb-rs1-s1-arbiter2

   host    192.0.2.2

   arbiter true

   site    local

exit

member-configuration member sdb-rs1-s1-m1

   host    192.0.2.3

   arbiter  false

   priority 104

   site     remote

exit

member-configuration member sdb-rs1-s1-m2

   host    192.0.2.4

   arbiter  false

   priority 103

   site     remote

exit

member-configuration member sdb-rs1-s2-m1

   host    192.0.2.5

   arbiter  false

   priority 102

   site     local

exit

member-configuration member sdb-rs1-s2-m2

   host    192.0.2.6

   arbiter  false

   priority 101

   site     local

exit

member-configuration member sdb-rs1-s3-arbiter3

   host    192.0.2.7

   arbiter true
```

```
site    remote

exit

exit

db scdb replica-name sdb-spr02

port    65002

interface vlan2400

resource cpu limit 3000

resource memory limit 20000

replica-set-label key smi.cisco.com/node-type

replica-set-label value oam

member-configuration member sdb-rs2-s1-arbiter1

  host    192.0.2.1

  arbiter true

  site    remote

exit

member-configuration member sdb-rs2-s1-arbiter2

  host    192.0.2.2

  arbiter true

  site    local

exit

member-configuration member sdb-rs2-s1-m1

  host    192.0.2.3

  arbiter  false

  priority 104

  site    remote

exit

member-configuration member sdb-rs2-s1-m2

  host    192.0.2.4

  arbiter  false

  priority 103

  site    remote

exit
```

```
member-configuration member sdb-rs2-s2-m1

   host     192.0.2.5

   arbiter  false

   priority 102

   site     local

exit

member-configuration member sdb-rs2-s2-m2

   host     192.0.2.6

   arbiter  false

   priority 101

   site     local

exit

member-configuration member sdb-rs2-s3-arbiter3

   host     192.0.2.7

   arbiter true

   site     remote

exit

exit

db scdb replica-name sdb-spr03

port      65003

interface vlan2400

resource cpu limit 3000

resource memory limit 20000

replica-set-label key smi.cisco.com/node-type

replica-set-label value oam

member-configuration member sdb-rs3-s1-arbiter1

   host    192.0.2.1

   arbiter true

   site    remote

exit

member-configuration member sdb-rs3-s1-arbiter2

   host    192.0.2.2
```

```
      arbiter true

      site    local

   exit

   member-configuration member sdb-rs3-s1-m1

      host    192.0.2.3

      arbiter  false

      priority 104

      site    remote

   exit

   member-configuration member sdb-rs3-s1-m2

      host    192.0.2.4

      arbiter  false

      priority 103

      site    remote

   exit

   member-configuration member sdb-rs3-s2-m1

      host    192.0.2.5

      arbiter  false

      priority 102

      site    local

   exit

   member-configuration member sdb-rs3-s2-m2

      host    192.0.2.6

      arbiter  false

      priority 101

      site    local

   exit

   member-configuration member sdb-rs3-s3-arbiter3

      host    192.0.2.7

      arbiter true

      site    remote

   exit
```

```
exit

debug tracing type DISABLED

debug logging default-level error

debug logging logger com.broadhop

level error

exit

debug logging logger com.broadhop.licensing.impl.LicenseCountRequestHandler

level debug

exit

debug logging logger com.broadhop.licensing.impl.LicenseManagerProxy

level debug

exit

debug logging logger com.broadhop.licensing.impl.PrometheusMetricsApi

level error

exit

debug logging logger com.broadhop.licensing.impl.SmartLicenceMongo

level debug

exit

debug logging logger com.broadhop.policy.impl

level debug

exit

debug logging logger com.broadhop.radius

level error

exit

debug logging logger com.broadhop.radius.impl.devicemanager

level debug

exit

debug logging logger com.broadhop.radius.messages.impl

level error

exit

debug logging logger com.broadhop.radius.policy.RadiusDelayedStartupManager

level error
```

```
exit

debug logging logger com.broadhop.radius.policy.event

level error

exit

debug logging logger com.broadhop.radius.policy.event.RadiusMessageDealer

level error

exit

debug logging logger com.cisco.radius.actions.impl

level error

exit

debug logging logger com.cisco.radius.endpoint.impl

level error

exit

debug logging logger com.cisco.radius.endpoint.impl.RadiusEndpointMessageListener

level debug

exit

debug logging logger com.cisco.radius.endpoint.impl.util

level error

exit

debug logging logger com.cisco.radius.endpoint.utility.LeaderSelector

level debug

exit

debug logging logger com.cisco.radius.smart.licensing.LicenseKPIManager

level debug

exit

debug logging logger policy.engine

level debug

exit

features patching ingress-enabled true

testing enforce-affinity-rules true

pods-management disable-pods [ redis network-query traceid ]

advance-tuning redis-password $8$jEoUSZxGgkcGfFCR95Z5ZRE1Bdp7J+eP0lr4VDPbC2Y=
```

```
advance-tuning slice-access-control disabled

advance-tuning async-threading default-worker-threads 25

advance-tuning async-threading default-queue-size 120

advance-tuning async-threading default-processing-threads 12

advance-tuning async-threading http2-connect-timeout-ms 120

advance-tuning async-threading http2-idle-connection-timeout-sec 60

radius bind-ipv4 [ 192.0.2.8 ]

radius bind-ipv6 [ 2001:db8::1 ]

radius replicas 1

radius lbs-service true

radius settings request-timeout-ms 5000

radius settings max-tries  1

radius settings min-processing-time-millis 1000

radius settings backoff-time-millis 1000

radius advance-tuning throttling-limit 10

radius advance-tuning coa-throttlling-for-asr9k-pep true

radius message-authenticator access-accept false

radius message-authenticator accounting-response false

radius device-group ASR9K

default-shared-secret     $8$Hgpy1vW0YuzKbgt9iWFAPj+IqcFLFxgbkp9s+TMJIgM=

default-coa-shared-secret $8$83Hhbxao8HfFjIYoKn8z8kBXs44TPcPgIFhRiB9BXNc=

coa-port                3799

coa-retries             3

coa-timeout-seconds     3

device EX-BNG1

  ip                192.0.2.9

  shared-secret     $8$F3+sGL0FjR5R+O4XGqo+J0o3s4E2RpfbQgzRQtCF9zY=

  coa-shared-secret $8$uOAYc3Vt1lKdrlp0EHaym2B+FpH+b984OFJiRLPQSL4=

  loopback-addresses [ 198.51.100.1 ]

exit

device EX-BNG2

  ip                192.0.2.10
```

```
    shared-secret      $8$HFvy2NknPjuGYoHqXzleHZaCTed76osXr7nbJEPLb4o=

    coa-shared-secret  $8$cIfI0dHd2i9RLgTfgJUrnfIKUgmwkWa5Vj6vbEG0yfE=

    loopback-addresses [ 198.51.100.1 ]

  exit

  device EX-BNG3

    ip                 192.0.2.11

    shared-secret      $8$q1n/El8lGiMhofFVvbQJw0zMy0BMhAe4uSFVUAZdp9M=

    coa-shared-secret  $8$w9IRXdD2zuGjWnAKRSLgf8RFxqcywcz0pcUUu7/TVeM=

    loopback-addresses [ 198.51.100.1 ]

  exit

exit

radius server-group grp1

servers DEL_OCS

  primary             192.0.2.12

  secondary           192.0.2.13

  nas-ip              192.0.2.14

  accounting-port     1805

  authorization-port  1802

  auth-protocol       PAP

  radius-password     $8$inbnxcbFpx90KAbRlb0CPmiyfY4Fm3+ur6WbHqs4aGo=

  shared-secret       $8$d14/JWy9migM6wnVoV1Pm/fK6aiBxX3Lrm5DRfz3liU=

  timeout-seconds     3

  test-message        false

  test-userid         test

  test-password       $8$+KEGV6qWQBITNvrI/nrjsm/gyEJnPxbIXdMvur9IapA=

  thread-pool-size    300

  server-type         online

  max-proxy-queue-size 50000

  retries             3

exit

servers GUJ_OCS

  primary             192.0.2.15
```

```
        secondary          192.0.2.13

        nas-ip             192.0.2.14

        accounting-port    1805

        authorization-port 1802

        auth-protocol      PAP

        radius-password    $8$AhwQuyuBStb2KM+RkRAV2OQJJQ37wF8GW2KihZuAsck=

        shared-secret      $8$cmiPSOzIXdcKjLPMQFJffifa8h/39GwDTfmt50hXMhk=

        timeout-seconds    3

        test-message       false

        test-userid        test

        test-password      $8$A6k9SnXu5rMnLGqfnUB4fKmGWITYg9zk7fzqgFuLgJk=

        thread-pool-size   300

        server-type        online

    max-proxy-queue-size 50000

        retries            3

    exit

    servers LUCK_OCS

      primary            192.0.2.16

      secondary          192.0.2.13

      nas-ip             192.0.2.14

      accounting-port    1805

      authorization-port 1802

      auth-protocol      PAP

      radius-password    $8$6gYFdcOroQsOiD8wKmgZh37+RdZEyp+oTzw00PKimG8=

      shared-secret      $8$+pLtFGo2a7OGmRyFaIRWIokQ1ILoAQwcMXyUTxHorA8=

      timeout-seconds    3

      test-message       false

      test-userid        test

      test-password      $8$EHftY2XyKpc3j0WRddtlFAbt28pEQ/jhhi6PthXVgTc=

      thread-pool-size   300

      server-type        online

    max-proxy-queue-size 50000
```

```
        retries              3

    exit

    servers PBHR_OCS

      primary            192.0.2.17

      secondary          192.0.2.13

      nas-ip             192.0.2.14

      accounting-port    1805

      authorization-port 1802

      auth-protocol      PAP

      radius-password    $8$QuSmQ22UIA5yxnQQG1xCfZOzH7ufESZXx6Y+E6LERiA=

      shared-secret      $8$kVWgx4fd1MTlzoA3EnuD5+L7w9ELN1CIqHNEHW/qgzI=

      timeout-seconds    3

      test-message       false

      test-userid        test

      test-password      $8$TTCtNmQLRhuc5gBUrtkx/vvpkFqwK+JxhhxlcIiPOY4=

      thread-pool-size   300

      server-type        online

      max-proxy-queue-size 50000

      retries            3

    exit

    servers PassiveMZ-12997

      primary            192.0.2.18

      secondary          192.0.2.13

      nas-ip             192.0.2.19

      accounting-port    1805

      authorization-port 1802

      auth-protocol      PAP

      radius-password    $8$T4jkp4FNUES0nu1SylJI8+6ERUktlwF/2n6WM2V3r9s=

      shared-secret      $8$zvaQd++DsvjdLbqhRGhglZc4SFCTmLUIHmr0mI5Dl0k=

      timeout-seconds    3

      test-message       false

      test-userid        test
```

```
        test-password          $8$LBlPEuGt7crFTasVX86yB63TIwlAV+oLq2D0yDauMaI=

        thread-pool-size       300

        server-type            offline

        max-proxy-queue-size 50000

        retries                3

exit

exit

radius async-threading-configuration default-processing-threads 100

radius async-threading-configuration default-action-priority 5

radius async-threading-configuration default-action-threads 100

radius async-threading-configuration default-action-queue-size 400000

radius async-threading-configuration default-action-drop-oldest-when-full true

radius properties PROMETHEUS_PORT

value 9099

exit

radius properties backOffRetryCoA.CoANackErrorCause

value 405,506,1001

exit

radius properties backOffRetryCoA.constantdelayInSeconds

value 60

exit

radius properties backOffRetryCoA.maxRetransmission

value 3

exit

radius properties com.broadhop.pep.ipv6.enable.feature

value true

exit

radius properties enable.radius.auth

value true

exit

radius properties grpc.executors

value 5
```

```
exit

radius properties grpc.request.proxyAccounting.timeoutMillies

value 3000

exit

radius properties grpc.timeoutMs.processing

value 15000

exit

radius properties io.netty.eventLoopThreads

value 100

exit

radius properties parallelChannelCount

value 10

exit

radius properties prometheusPort

value 9099

exit

radius properties radiusCorePoolSize

value 20

exit

radius properties radiusMaxQueue

value 4000

exit

radius properties smart.license.kpi.interval.mins

value 1

exit

radius properties traps.tps

value 5000

exit

radius properties udpMaxQueue

value 4000

exit

radius properties udpPoolSize
```

```
value 40

exit

api unified engine-group CPC02production

api unified externalIPs [ 192.0.2.20 ]

api unified external-port 8080

engine CPC02production

config-lock          false

replicas             1

subversion-run-url   http://svn/repos/run

subversion-config-url http://svn/repos/configuration

tracing-service-name  CPC-engine

crdapi crd-mongo-cache-refresh-interval 10000

crdapi admin-db primary 192.0.2.3

crdapi admin-db secondary 192.0.2.4

crdapi admin-db port 65005

properties GeoSiteName

  value delta_site2

exit

properties balanceKeyHashAvpName

  value SprKeyHash

exit

properties broadcast.tps

  value 500

exit

properties cc.ua.soap.url

  value http://127.0.0.1:8080/apirouter

exit

properties coaThrottlingPerBng

  value true

exit

properties com.broadhop.SrgBngSwitchOverEnable

  value true
```

```
exit

properties com.broadhop.domain.ipv6.enable.feature

  value true

exit

properties com.broadhop.pb.login.details.feature

  value true

exit

properties com.broadhop.pb.publish.audit.feature

  value true

exit

properties com.broadhop.pep.ipv6.enable.feature

  value true

exit

properties com.broadhop.servicemismatchenable

  value false

exit

properties com.cisco.engine.log.type

  value 2

exit

properties conflict.resolve.attempts

  value 2

exit

properties conflict.tps

  value 5

exit

properties cpc.smart.license.enabled

  value true

exit

properties crd.mongo.cache.refresh.interval

  value 10000

exit

properties dbSocketTimeout
```

```
      value 1000

exit

properties enable.conflict.merge

   value true

exit

properties enable.radius.aaa.key.building

   value true

exit

properties grpc.executors

   value 5

exit

properties grpc.request.BackoffTimeMillis

   value 100

exit

properties grpc.request.MinProcessingTimeMillis

   value 11

exit

properties grpc.request.asyncCoA.timeoutMillies

   value 15000

exit

properties grpc.request.bundledCoA.timeoutMillies

   value 15000

exit

properties grpc.request.getMaxTries

   value 1

exit

properties grpc.request.proxyAccounting.timeoutMillies

   value 5000

exit

properties grpc.request.timeoutMillies

   value 10

exit
```

```
properties inboundMessageQueueSize

  value 4000

exit

properties inboundMessageSlaMs

  value 3000

exit

properties maxHash

  value 3

exit

properties messageSlaMs

  value 3000

exit

properties mongo.connections.per.host.default

  value 300

exit

properties mongo.threads.allowed.to.wait.for.connection

  value 1000

exit

properties CPC.actions.sync.timeoutMs.default

  value 10000

exit

properties queryEachSiteForSearchSubscribers

  value true

exit

properties radius.engine.service.port.timeout

  value 5000

exit

properties radius.warmup.duration.sec

  value 30

exit

properties radius.warmup.event.dealy.ms

  value 20
```

```
exit

properties radius.warmup.request.per.thread

  value 50

exit

properties radius.warmup.threads

  value 5

exit

properties radius.warmup.unified.soap.url

  value http://localhost:8080/ua/soap

exit

properties replaceFullNameInSearchSubscribers

  value true

exit

properties returnBalance

  value false

exit

properties sessioncount.query.interval.mins

  value 1

exit

properties skip.service.evaluation.on.delete

  value false

exit

properties skipped.device.mgrs

  value RX_5G_TGPP,N7_TGPP,N5_TGPP,N

exit

license smart reservation

system mode running
```

Sample ULB Configuration

ULB Ops Center Configuration for GR Site01

This is only a sample configuration of ULB settings for GR Site01 provided solely for your reference. You must create and modify your own configuration file according to the specific needs of your deployment. Use plain text password as applicable.

```
logging level error

logging name lbs-agent.egress-mgr.app level error

logging name lbs-agent.egress-mgr.calico level error

logging name lbs-agent.egress-mgr.egressmgr level error

logging name lbs-agent.egress-mgr.ipt-reconciler level error

logging name lbs-agent.egress-mgr.iptables level error

logging name lbs-agent.egress-mgr.iptables-oper level error

logging name lbs-agent.egress-mgr.lbs-iptables level error

logging name lbs-agent.egress-mgr.listener level error

logging name lbs_operator.app.app level error

logging name lbs_operator.app.empcrd level error

logging name lbs_operator.app.lbcrd level error

logging name lbs_operator.app.service level error

cilium bpf auth-map-max     4194303

cilium bpf fragments-map-max 65536

cilium bpf lb-affinity-map-max 4194304

cilium bpf lb-map-max       4194304

cilium bpf lb-rev-nat-map-max 4194304

cilium bpf lb-service-backend-map-max 4194303

cilium bpf lb-service-map-max 4194304

cilium bpf lb-source-range-map-max 4194304

cilium bpf neigh-global-max 4194304

cilium bpf node-map-max     4194303

cilium bpf policy-map-max   16383

system mode running
```

ULB Ops Center Configuration for GR Site02

This is only a sample configuration of ULB settings for GR Site02 provided solely for your reference. You must create and modify your own configuration file according to the specific needs of your deployment. Use plain text password as applicable.

```
logging level error

logging name lbs-agent.egress-mgr.app level error

logging name lbs-agent.egress-mgr.calico level error

logging name lbs-agent.egress-mgr.egressmgr level error
```

```
logging name lbs-agent.egress-mgr.ipt-reconciler level error

logging name lbs-agent.egress-mgr.iptables level error

logging name lbs-agent.egress-mgr.iptables-oper level error

logging name lbs-agent.egress-mgr.lbs-iptables level error

logging name lbs-agent.egress-mgr.listener level error

logging name lbs_operator.app.app level error

logging name lbs_operator.app.empcrd level error

logging name lbs_operator.app.lbcrd level error

logging name lbs_operator.app.service level error

cilium bpf auth-map-max     4194303

cilium bpf fragments-map-max 65536

cilium bpf lb-affinity-map-max 4194304

cilium bpf lb-map-max       4194304

cilium bpf lb-rev-nat-map-max 4194304

cilium bpf lb-service-backend-map-max 4194303

cilium bpf lb-service-map-max 4194304

cilium bpf lb-source-range-map-max 4194304

cilium bpf neigh-global-max 4194304

cilium bpf node-map-max     4194303

cilium bpf policy-map-max   16383

system mode running
```