

Magma core ORC8R (local) – deploy on minikube

Cluster status

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bcoelho@jgvtvr04:~$ kubectl get all
NAME                                TYPE                CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
service/kubernetes                  ClusterIP           10.96.0.1       <none>           443/TCP          15h
bcoelho@jgvtvr04:~$ kubectl get po -A
NAMESPACE      NAME                                READY    STATUS          RESTARTS      AGE
kube-system    coredns-74ff55c5b-bzrq5             1/1      Running         0              15h
kube-system    etcd-minikube                       1/1      Running         0              15h
kube-system    kube-apiserver-minikube             1/1      Running         0              15h
kube-system    kube-controller-manager-minikube    1/1      Running         1              15h
kube-system    kube-proxy-4qrs2                    1/1      Running         0              15h
kube-system    kube-scheduler-minikube             1/1      Running         0              15h
kube-system    storage-provisioner                 1/1      Running         1              15h
kubernetes-dashboard  dashboard-metrics-scraper-95d6996fd-tn6q7  1/1      Running         0              11h
kubernetes-dashboard  kubernetes-dashboard-cd95d586-dpp56       1/1      Running         0              11h
orc8r           mysql-58ff479fb7-bltpq              1/1      Running         1              10h
orc8r           nms-magnalte-85c55f98bd-6mj9k         1/1      Running         0              11h
orc8r           nms-nginx-proxy-5bc7cc4d9d-lmjbg       0/1      CrashLoopBackOff 143           11h
orc8r           orc8r-accessd-668fdb4996-76d2k        1/1      Running         0              11h
orc8r           orc8r-alertmanager-6b7d5fc7d8-njbtg    1/1      Running         0              11h
orc8r           orc8r-alertmanager-configurer-f77bf587f-499v5  1/1      Running         0              11h
orc8r           orc8r-analytics-85bc84d5d5-j4qp2      1/1      Running         0              11h
orc8r           orc8r-bootstraptrapper-d486d4f69-4ltgs  0/1      CrashLoopBackOff 142           11h
orc8r           orc8r-certifier-75c59cd897-qc2tt       0/1      CrashLoopBackOff 142           11h
orc8r           orc8r-configurator-79d46587bf-f9hlv    1/1      Running         0              11h
orc8r           orc8r-ctraced-58b6444cd-d69gk         1/1      Running         0              11h
orc8r           orc8r-device-79c64cc9-7dtln           1/1      Running         0              11h
orc8r           orc8r-directoryd-684f8c977d-n7rch      1/1      Running         0              11h
orc8r           orc8r-dispatcher-566d65b8-59twf        1/1      Running         0              11h
orc8r           orc8r-eventd-855ddd8b9b-85bm4         1/1      Running         0              11h
orc8r           orc8r-metricsd-744985b799-jwx7f       1/1      Running         0              11h
orc8r           orc8r-nginx-6cf6c7b787-lbpmg          0/1      CrashLoopBackOff 142           11h
orc8r           orc8r-obsidian-f887bd8bf-dwf4w        1/1      Running         0              11h
orc8r           orc8r-orc8r-worker-5cb558586c-wt2qs    1/1      Running         0              11h
orc8r           orc8r-orchestrator-5c5777fbcd-jby6g    1/1      Running         0              11h
orc8r           orc8r-prometheus-57475f847c-pqawl     1/1      Running         0              11h
orc8r           orc8r-prometheus-cache-9d8d9dcfc-jfkcn 1/1      Running         0              11h
orc8r           orc8r-prometheus-configurer-b66cd766b-d2vzx 1/1      Running         0              11h
orc8r           orc8r-service-registry-59dc6d5f85-pf8mp 1/1      Running         0              11h
orc8r           orc8r-state-8658845db6-kcg2q          1/1      Running         0              11h
orc8r           orc8r-streamer-5f8594bd5-hxss2        1/1      Running         0              11h
orc8r           orc8r-tenants-896f98b97-4pcth         1/1      Running         0              11h
orc8r           orc8r-user-grafana-6655c5f5b5-vrgb6    1/1      Running         0              11h
orc8r           postgresql-0                          1/1      Running         0              15h
bcoelho@jgvtvr04:~$ kubectl -n orc8r get po | grep CrashLoopBackOff
nms-nginx-proxy-5bc7cc4d9d-lmjbg      0/1      CrashLoopBackOff 143      11h
orc8r-bootstraptrapper-d486d4f69-4ltgs 0/1      CrashLoopBackOff 142      11h
orc8r-certifier-75c59cd897-qc2tt       0/1      CrashLoopBackOff 142      11h
orc8r-nginx-6cf6c7b787-lbpmg          0/1      CrashLoopBackOff 142      11h
bcoelho@jgvtvr04:~$
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Crashed pods ststus: CrashLoopBackOff

1- nms-nginx-proxy-5bc7cc4d9d-lmjbg

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bcoelho@jgvtvr04:~$ kubectl -n orc8r logs nms-nginx-proxy-5bc7cc4d9d-lmjbg
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start [OK]
2023/09/25 12:06:35 [emerg] 1#1: unknown directive "ssl" in /etc/nginx/conf.d/nginx_proxy_ssl.conf:3
nginx: [emerg] unknown directive "ssl" in /etc/nginx/conf.d/nginx_proxy_ssl.conf:3
bcoelho@jgvtvr04:~$
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bcoelho@jgtvsr04:~$ kubectl -n orc8r describe pod nms-nginx-proxy-5bc7cc4d9d-lmjbg
Name: nms-nginx-proxy-5bc7cc4d9d-lmjbg
Namespace: orc8r
Priority: 0
Node: minikube/192.168.49.2
Start Time: Sun, 24 Sep 2023 20:38:53 -0300
Labels: app.kubernetes.io/component=nginx
  app.kubernetes.io/instance=orc8r
  app.kubernetes.io/name=nms
  pod-template-hash=5bc7cc4d9d
Annotations: release_group=orc8r
  chart-version: 0.1.12
  release-name: orc8r
Status: Running
IP: 10.244.0.5
IPs:
  IP: 10.244.0.5
Controlled By: ReplicaSet/nms-nginx-proxy-5bc7cc4d9d
Containers:
  nms-nginx:
    Container ID: docker://56e8e0454551e59cf9d1893242488fbbc13d9b6c9a2500b306119bfa30f1ea3e
    Image: nginx:latest
    Image ID: docker-pullable://nginx@sha256:32da30332506740a2f7c34d5dc70467b7f14ec67d912703568daff790ab3f755
    Port: 443/TCP
    Host Port: 0/TCP
    State: Terminated
      Reason: Error
      Exit Code: 1
      Started: Mon, 25 Sep 2023 08:36:04 -0300
      Finished: Mon, 25 Sep 2023 08:36:04 -0300
    Last State: Terminated
      Reason: Error
      Exit Code: 1
      Started: Mon, 25 Sep 2023 08:30:48 -0300
      Finished: Mon, 25 Sep 2023 08:30:49 -0300
    Ready: False
    Restart Count: 144
    Environment: <none>
    Mounts:
      /etc/nginx/conf.d/nginx_proxy_ssl.conf from nginx-proxy-etc (rw,path="/etc/nginx_proxy_ssl.conf")
      /etc/nginx/conf.d/nms_nginx.key.pem from orc8r-secrets-certs (ro,path="/nms_nginx.key.pem")
      /etc/nginx/conf.d/nms_nginx.pem from orc8r-secrets-certs (ro,path="/nms_nginx.pem")
      /var/run/secrets/kubernetes.io/serviceaccount from orc8r-token-t5kzq (ro)

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Conditions:
  Type          Status
  Initialized   True
  Ready         False
  ContainersReady False
  PodScheduled True
Volumes:
  nginx-proxy-etc:
    Type: ConfigMap (a volume populated by a ConfigMap)
    Name: nginx-proxy-etc
    Optional: false
  orc8r-secrets-certs:
    Type: Secret (a volume populated by a Secret)
    SecretName: orc8r-secrets-certs
    Optional: false
  orc8r-token-t5kzq:
    Type: Secret (a volume populated by a Secret)
    SecretName: orc8r-token-t5kzq
    Optional: false
QoS Class: BestEffort
Node-Selectors: <none>
Tolerations: node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
  node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events:
  Type Reason Age From Message
  ----
  Normal Pulled 56m (x133 over 11h) kubelet Container image "nginx:latest" already present on machine
  Warning BackOff 2m (x3279 over 11h) kubelet Back-off restarting failed container
bcoelho@jgtvsr04:~$

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2- orc8r-bootstrapper-d486d4f69-4ltgs

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bcoelho@jgtvsr04:~$ kubectl -n orc8r logs orc8r-bootstrapper-d486d4f69-4ltgs
I0925 12:09:14.985490 1 service_config.go:178] Successfully loaded 'cwf::service_registry' service configs from '/etc/magma/configs/cwf/service_registry.yml'
I0925 12:09:14.985671 1 service_config.go:178] Successfully loaded 'dp::service_registry' service configs from '/etc/magma/configs/dp/service_registry.yml'
I0925 12:09:14.985868 1 service_config.go:178] Successfully loaded 'feg::service_registry' service configs from '/etc/magma/configs/feg/service_registry.yml'
I0925 12:09:14.986183 1 service_config.go:178] Successfully loaded 'lte::service_registry' service configs from '/etc/magma/configs/lte/service_registry.yml'
I0925 12:09:14.986606 1 service_config.go:178] Successfully loaded 'orc8r::service_registry' service configs from '/etc/magma/configs/orc8r/service_registry.yml'
I0925 12:09:15.007417 1 service_config.go:120] Successfully loaded structured 'orc8r::shared' service configs from '/etc/magma/configs/orc8r/shared.yml'
I0925 12:09:15.007552 1 service_config.go:178] Successfully loaded 'orc8r::bootstrapper' service configs from '/etc/magma/configs/orc8r/bootstrapper.yml'
F0925 12:09:15.007629 1 main.go:66] [Error] reading bootstrapper private key: open /var/opt/magma/certs/bootstrapper.key: no such file or directory
bcoelho@jgtvsr04:~$

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bcoelho@jgvtvr04:~$ kubectl -n orc8r describe pod orc8r-bootstrapper-d486d4f69-4l7gs
Name:          orc8r-bootstrapper-d486d4f69-4l7gs
Namespace:    orc8r
Priority:      0
Node:         manikube/192.168.49.2
Start Time:   Sun, 24 Sep 2023 20:38:54 -0300
Labels:       app.kubernetes.io/component=bootstrapper
              app.kubernetes.io/instance=orc8r
              app.kubernetes.io/name=orc8r
              pod-template-hash=d486d4f69
Annotations:  chart-version: 1.8.0
              release-name: orc8r
Status:       Running
IP:           10.244.0.9
IPs:          10.244.0.9
Controlled By: ReplicaSet/orc8r-bootstrapper-d486d4f69
Containers:
  bootstrapper:
    Container ID:  docker://edb48e40db8598cc3ab5cdbc0b9d781c88b4bf9416c6e85dbcab60b35b40b9b2
    Image:         linuxfoundation/jfrog.io/magma-docker/controller:1.7.0
    Image ID:     docker-pullable://linuxfoundation/jfrog.io/magma-docker/controller@sha256:38824a07b390de93fe3a366d0520193878587d0bccf42e74c19966bbbeddf711
    Ports:        9088/TCP, 9188/TCP
    Host Ports:   0/TCP, 0/TCP
    Command:
      /usr/bin/envdir
    Args:
      /var/opt/magma/envdir
      /var/opt/magma/bin/bootstrapper
      -cac=/var/opt/magma/certs/bootstrapper.key
      -logtostderr=true
      -v=0
    State:        Waiting
      Reason:     CrashLoopBackOff
    Last State:   Terminated
      Reason:     Error
      Exit Code:  255
    Started:     Mon, 25 Sep 2023 08:43:34 -0300
    Finished:    Mon, 25 Sep 2023 08:43:35 -0300
    Ready:       False
    Restart Count: 145
    Liveness:    tcp-socket :9088 delay=10s timeout=1s period=30s #success=1 #failure=3
    Readiness:   tcp-socket :9088 delay=5s timeout=1s period=10s #success=1 #failure=3
    Environment:
      DATABASE_SOURCE:  <set to the key 'postgres.connstr' in secret 'orc8r-controller'> Optional: false
      SQL_DRIVER:       postgres
      SQL_DIALECT:     postgresql
      SERVICE_HOSTNAME: (v1:status.podIP)
      SERVICE_REGISTRY_MODE: k8s
      HELM_RELEASE_NAME:  orc8r
      SERVICE_REGISTRY_NAMESPACE: orc8r
      HELM_VERSION_TAG:  1.8.0
      VERSION_TAG:       1.7.0
      ORC8R_DOMAIN_NAME: magma.test
    Mounts:
      /var/opt/magma/certs from certs (ro)
      /var/opt/magma/configs/orc8r from orc8r-secrets-configs-orc8r-orc8r (ro)
      /var/opt/magma/envdir from envdir (ro)
      /var/run/secrets/kubernetes.io/serviceaccount from default-token-fmj9 (ro)
    Conditions:
      Type           Status
      Initialized    True
      Ready          False
      ContainersReady False
      PodScheduled   True
    Volumes:
      certs:
        Type:          Secret (a volume populated by a Secret)
        SecretName:    orc8r-secrets-certs
        Optional:      false
      envdir:
        Type:          Secret (a volume populated by a Secret)
        SecretName:    orc8r-secrets-envdir
        Optional:      false
      orc8r-secrets-configs-orc8r-orc8r:
        Type:          Secret (a volume populated by a Secret)
        SecretName:    orc8r-secrets-configs-orc8r
        Optional:      false
      default-token-fmj9:
        Type:          Secret (a volume populated by a Secret)
        SecretName:    default-token-fmj9
        Optional:      false
    QoS Class:       BestEffort
    Node-Selectors:  <none>
    Tolerations:    node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
                  node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
    Events:
      Type      Reason      Age          From          Message
      ----      -
      Warning   BackOff    85s (x3440 over 12h)   kubelet Back-off restarting failed container
bcoelho@jgvtvr04:~$

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3- orc8r-certifier-75c59cd897-qc2tt

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bcoelho@jgvtvr04:~$ kubectl -n orc8r logs orc8r-certifier-75c59cd897-qc2tt
I0925 12:10:44.843814    1 service_config.go:178] Successfully loaded 'cf::service_registry' service configs from '/etc/magma/configs/cf/service_registry.yml'
I0925 12:10:44.845925    1 service_config.go:178] Successfully loaded 'dp::service_registry' service configs from '/etc/magma/configs/dp/service_registry.yml'
I0925 12:10:44.845276    1 service_config.go:178] Successfully loaded 'feg::service_registry' service configs from '/etc/magma/configs/feg/service_registry.yml'
I0925 12:10:44.845566    1 service_config.go:178] Successfully loaded 'lte::service_registry' service configs from '/etc/magma/configs/lte/service_registry.yml'
I0925 12:10:44.845972    1 service_config.go:178] Successfully loaded 'orc8r::service_registry' service configs from '/etc/magma/configs/orc8r/service_registry.yml'
I0925 12:10:44.846263    1 service_config.go:128] Successfully loaded structured 'orc8r::shared' service configs from '/etc/magma/configs/orc8r/shared.yml'
I0925 12:10:44.845415    1 service_config.go:178] Successfully loaded 'orc8r::certifier' service configs from '/etc/magma/configs/orc8r/certifier.yml'
I0925 12:10:44.862438    1 main.go:79] WARN: WARN to load bootstrap CA cert and key: WARN to load certificate (/var/opt/magma/certs/certifier.pem) & key (/var/opt/magma/certs/certifier.key): open /var/opt/magma/certs/certifier.pem: no such file or directory
F0925 12:10:44.862475    1 main.go:87] ERROR: WARN to load VPN cert and key: WARN to load certificate (/var/opt/magma/certs/vpn_ca.crt) & key (/var/opt/magma/certs/vpn_ca.key): open /var/opt/magma/certs/vpn_ca.crt: no such file or directory
bcoelho@jgvtvr04:~$

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bcoelho@jgtsvr04:~$ kubectl -n orc8r describe pod orc8r-certifier-75c59cd897-qc2tt
Name:         orc8r-certifier-75c59cd897-qc2tt
Namespace:    orc8r
Priority:      0
Node:         minikube/192.168.49.2
Start Time:   Sun, 24 Sep 2023 20:38:55 -0300
Labels:       app.kubernetes.io/component=certifier
              app.kubernetes.io/instance=orc8r
              app.kubernetes.io/name=orc8r
              pod-template-hash=75c59cd897
Annotations:  chart-version: 1.8.0
              release-name: orc8r
Status:       Running
IP:           10.244.0.17
IPs:          10.244.0.17
Controlled By: ReplicaSet/orc8r-certifier-75c59cd897
Containers:
  certifier:
    Container ID:  docker://23b797f4dfb411d27bc113cef9fc41cfa77ec292678a88708fa9b812283b6379
    Image:          linuxfoundation.jfrog.io/magna-docker/controller:1.7.0
    Image ID:      docker-pullable://linuxfoundation.jfrog.io/magna-docker/controller@sha256:38824a07b90de93fe3a366d0520193878587d0cbccf42e74c19966bbbedd7f11
    Ports:         9086/TCP, 9186/TCP, 10089/TCP
    Host Ports:    0/TCP, 0/TCP, 0/TCP
    Command:
      /usr/bin/envdir
    Args:
      /var/opt/magna/envdir
      /var/opt/magna/bin/certifier
      -cac=/var/opt/magna/certs/certifier.pem
      -cak=/var/opt/magna/certs/certifier.key
      -vpnc=/var/opt/magna/certs/vpn_ca.crt
      -vpnk=/var/opt/magna/certs/vpn_ca.key
      -run_echo_server=true
      -logtostderr=true
      -v=0
    State:          Waiting
    Reason:         CrashLoopBackOff
    Last State:     Terminated
    Reason:         37701
    Exit Code:      255
    Started:        Mon, 25 Sep 2023 09:00:36 -0300
    Finished:       Mon, 25 Sep 2023 09:00:36 -0300
    Ready:          False
    Restart Count:  148
    Liveness:       tcp-socket://9086 delay=10s timeout=1s period=30s #success=1 #failure=3
    Readiness:      tcp-socket://9086 delay=5s timeout=1s period=10s #success=1 #failure=3

Environment:
  DATABASE_SOURCE: <set to the key 'postgres.connstr' in secret 'orc8r-controller'> Optional: false
  SQL_DRIVER:       postgres
  SQL_DIALECT:      postgresql
  SERVICE_HOSTNAME: (v1.status.podIP)
  SERVICE_REGISTRY_MODE: k8s
  HELM_RELEASE_NAME: orc8r
  SERVICE_REGISTRY_NAMESPACE: orc8r
  HELM_VERSION_TAG: 1.8.0
  VERSION_TAG:      1.7.0
  ORC8R_DOMAIN_NAME: magna.test
Mounts:
  /var/opt/magna/certs from certs (ro)
  /var/opt/magna/configs/orc8r from orc8r-secrets-configs-orc8r-orc8r (ro)
  /var/opt/magna/envdir from envdir (ro)
  /var/run/secrets/kubernetes.io/serviceaccount from default-token-fwmj9 (ro)
Conditions:
  Type             Status
  Initialized       True
  Ready             False
  ContainersReady  False
  PodScheduled     True
Volumes:
  certs:
    Type:          Secret (a volume populated by a Secret)
    SecretName:    orc8r-secrets-certs
    Optional:      false
  envdir:
    Type:          Secret (a volume populated by a Secret)
    SecretName:    orc8r-secrets-envdir
    Optional:      false
  orc8r-secrets-configs-orc8r-orc8r:
    Type:          Secret (a volume populated by a Secret)
    SecretName:    orc8r-secrets-configs-orc8r
    Optional:      false
  default-token-fwmj9:
    Type:          Secret (a volume populated by a Secret)
    SecretName:    default-token-fwmj9
    Optional:      false
QoS Class:        BestEffort
Node-Selectors:   <none>
Tolerations:      node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
                  node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events:
  Type    Reason      Age   From      Message
  ----    -
  Normal  Pulled      31m   (x142 over 12h)  kubelet Container image "linuxfoundation.jfrog.io/magna-docker/controller:1.7.0" already present on machine
  Warning BackOff     91s   (x3504 over 12h)  kubelet Back-off restarting 37701 container
bcoelho@jgtsvr04:~$

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4- orc8r-nginx-6cf6c7b787-lbpmg

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bcoelho@jgtsvr04:~$ kubectl -n orc8r logs orc8r-nginx-6cf6c7b787-lbpmg
Not running in test mode!
Loading registry for module: lta...
Loading registry for module: feg...
Loading registry for module: dp...
Loading registry for module: orc8r...
Loading registry for module: ovf...
2023/09/25 12:12:18 [emerg] 1#1: cannot load certificate "/var/opt/magna/certs/controller.crt": BIO_new_file() [31]cc (SSL: 02001002:system library:fopen:No such file or directory:fopen('/var/opt/magna/certs/controller.crt','r') e
rror:20060080:BIO routines:BIO_new_file:no such file)
nginx: [emerg] cannot load certificate "/var/opt/magna/certs/controller.crt": BIO_new_file() [31]cc (SSL: 02001002:system library:fopen:No such file or directory:fopen('/var/opt/magna/certs/controller.crt','r') [37]cc:20060080:BIO
routines:BIO_new_file:no such file)
bcoelho@jgtsvr04:~$

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bcoelho@jgtvsr04:~$ kubectl -n orc8r describe pod orc8r-nginx-6cf6c7b787-lbpng
Name:          orc8r-nginx-6cf6c7b787-lbpng
Namespace:    orc8r
Priority:      0
Node:         minikube/192.168.49.2
Start Time:   Sun, 24 Sep 2023 20:38:55 -0300
Labels:       app.kubernetes.io/component=nginx-proxy
              app.kubernetes.io/instance=orc8r
              app.kubernetes.io/name=orc8r
              pod-template-hash=6cf6c7b787
Annotations:  chart-version: 1.8.0
              release-name: orc8r
Status:       Running
IP:           10.244.0.14
IPs:
  IP:         10.244.0.14
Controlled By: ReplicaSet/orc8r-nginx-6cf6c7b787
Containers:
  orc8r-nginx:
    Container ID:  docker://cd4ce1ee45ab808426320c3d410b9fdcc6142b12d5badd5dace6077ab2e8106f
    Image:         linuxfoundation.jfrog.io/magma-docker/nginx:1.7.0
    Image ID:     docker-pullable://linuxfoundation.jfrog.io/magma-docker/nginx@sha256:c8f8f5653b4d7e7belfae030c253fd41640852678b057afd11313374dd2b967cc
    Ports:        8443/TCP, 8444/TCP, 9443/TCP, 80/TCP
    Host Ports:   0/TCP, 0/TCP, 0/TCP, 0/TCP
    State:        Waiting
      Reason:     CrashLoopBackOff
    Last State:   Terminated
      Reason:     OOMKilled
      Exit Code:  1
      Started:    Mon, 25 Sep 2023 09:01:50 -0300
      Finished:   Mon, 25 Sep 2023 09:01:51 -0300
    Ready:        False
    Restart Count: 148
    Liveness:     tcp-socket :health delay=10s timeout=1s period=30s #success=1 #failure=3
    Readiness:    tcp-socket :health delay=5s timeout=1s period=10s #success=1 #failure=3
    Environment:
      PROXY_BACKENDS:  orc8r.svc.cluster.local
      CONTROLLER_HOSTNAME: controller.magma.test
      RESOLVER:        kube-dns.kube-system.svc.cluster.local valid=10s
      SERVICE_REGISTRY_MODE: k8s
      SSL_CERTIFICATE:  /var/opt/magma/certs/controller.crt
      SSL_CERTIFICATE_KEY: /var/opt/magma/certs/controller.key
      SSL_CLIENT_CERTIFICATE: /var/opt/magma/certs/certifier.pem
    Mounts:
      /var/opt/magma/certs from certs (ro)
      /var/opt/magma/envdir from envdir (ro)
      /var/run/secrets/kubernetes.io/serviceaccount from default-token-fwmj9 (ro)

```

```

Conditions:
  Type           Status
  Initialized     True
  Ready           False
  ContainersReady False
  PodScheduled    True

Volumes:
  certs:
    Type:          Secret (a volume populated by a Secret)
    SecretName:    orc8r-secrets-certs
    Optional:      false
  envdir:
    Type:          Secret (a volume populated by a Secret)
    SecretName:    orc8r-secrets-envdir
    Optional:      false
  default-token-fwmj9:
    Type:          Secret (a volume populated by a Secret)
    SecretName:    default-token-fwmj9
    Optional:      false
QoS Class:       BestEffort
Node-Selectors:  <none>
Tolerations:    node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
                 node.kubernetes.io/unreachable:NoExecute op=Exists for 300s

Events:
  Type    Reason      Age          From          Message
  ----    -
  Warning BackOff     4m48s (x3496 over 12h) kubelet       Back-off restarting failed container
bcoelho@jgtvsr04:~$

```