

LOGZILLA DOCUMENTATION

Kubernetes Query Module

LogZilla Query module Kubernetes manifest covering the StatefulSet, Service, resource requests, and storage endpoint references for search workloads

Kubernetes Deployment Overview · Generated May 3, 2026 · logzilla.ai/docs/kubernetes-deployment/query-module

Query module manifest

```
apiVersion: apps/v1
kind: StatefulSet
metadata:
  name: querymodule
spec:
  serviceName: querymodule
  selector:
    matchLabels:
      name: querymodule
  template:
    metadata:
      labels:
        name: querymodule
    spec:
      enableServiceLinks: false
      containers:
      - name: querymodule
        image: logzilla/runtime:stable
        imagePullPolicy: Always
        resources:
          requests:
            memory: "1Gi"
            cpu: "1000m"
          limits:
            memory: "1Gi"
            cpu: "2000m"
        command:
        - /usr/lib/logzilla/bin/module_run
        - QueryModule
      ports:
      - containerPort: 81
        name: query-api-port
        protocol: TCP
      livenessProbe:
        failureThreshold: 3
        httpGet:
          path: /ping
          port: query-api-port
          scheme: HTTP
        periodSeconds: 10
        successThreshold: 1
        timeoutSeconds: 5
        failureThreshold: 5
      startupProbe:
        failureThreshold: 60
        httpGet:
          path: /ping
          port: query-api-port
```

```
    scheme: HTTP
    initialDelaySeconds: 5
    periodSeconds: 10
    successThreshold: 1
    timeoutSeconds: 5
  envFrom:
  - configMapRef:
      name: postgres-multimap
  - configMapRef:
      name: django-multimap
  - configMapRef:
      name: log-multimap
  - configMapRef:
      name: module-multimap
  - secretRef:
      name: django-secret
  - secretRef:
      name: postgres-secret
  - secretRef:
      name: internal-api-secret
  env:
  - name: SM_API_ADDRESSES
    value: http://storage-{{0-4}}.storage:81
---
apiVersion: v1
kind: Service
metadata:
  name: querymodule
spec:
  clusterIP: None
  ports:
  - port: 81
    protocol: TCP
    targetPort: query-api-port
    name: query-api-port
  type: ClusterIP
  selector:
    name: querymodule
```

Notes

- Ensure the ordinal range in `SM_API_ADDRESSES` matches the `storage` replicas (for example, `storage-0` through `storage-4` for 5 replicas).