

**LOGZILLA DOCUMENTATION**

# Kubernetes InfluxDB

InfluxDB Kubernetes manifest for LogZilla metrics, including Secret, ConfigMap, PersistentVolumeClaim, StatefulSet, and Service definitions

Kubernetes Deployment Overview · Generated April 27, 2026 · [logzilla.ai/docs/kubernetes-deployment/influxdb](https://logzilla.ai/docs/kubernetes-deployment/influxdb)

## InfluxDB manifest

```
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
  name: influxdb-pvc
spec:
  accessModes:
    - ReadWriteOnce
  resources:
    requests:
      storage: 100Mi
---
apiVersion: v1
kind: Secret
metadata:
  name: influxdb-secret
type: Opaque
stringData:
  INFLUXDB_ADMIN_USER: logzilla
  INFLUXDB_ADMIN_PASSWORD: <set-strong-password>
  INFLUXDB_USER: user
  INFLUXDB_USER_PASSWORD: <set-strong-password>
---
apiVersion: v1
kind: ConfigMap
metadata:
  name: influxdb-multimap
data:
  INFLUXDB_DATA_MAX_VALUES_PER_TAG: "10000"
  INFLUXDB_DATA_MAX_SERIES_PER_DATABASE: "0"
  INFLUXDB_DATA_INDEX_VERSION: inmem
  INFLUXDB_LOGGING_FORMAT: json
  INFLUXDB_LOGGING_LEVEL: warn
  INFLUXDB_COORDINATOR_LOG_QUERIES_AFTER: 10s
  INFLUXDB_HTTP_LOG_ENABLED: "false"
  INFLUXDB_HTTP_ACCESS_LOG_PATH: ""
  INFLUXDB_UDP_ENABLED: "true"
  INFLUXDB_UDP_BIND_ADDRESS: :8086
  INFLUXDB_UDP_DATABASE: lzcounters
  INFLUXDB_UDP_BATCH_TIMEOUT: 1s
  INFLUXDB_UDP_0_BATCH_SIZE: "5000"
  INFLUXDB_UDP_BATCH_SIZE: "0"
---
apiVersion: apps/v1
kind: StatefulSet
metadata:
  name: influxdb
spec:
  serviceName: influxdb
```

```
selector:
  matchLabels:
    name: influxdb
template:
  metadata:
    labels:
      name: influxdb
  spec:
    containers:
      - name: influxdb
        image: library/influxdb:1.8.10-alpine
        resources:
          requests:
            memory: 1Gi
            cpu: 500m
          limits:
            memory: 2Gi
            cpu: 1000m
        ports:
          - containerPort: 8086
            name: api
            protocol: TCP
          - containerPort: 8086
            name: udp-counters
            protocol: UDP
        livenessProbe:
          failureThreshold: 3
          httpGet:
            path: /health
            port: api
            scheme: HTTP
          initialDelaySeconds: 30
          periodSeconds: 10
          successThreshold: 1
          timeoutSeconds: 5
        readinessProbe:
          failureThreshold: 3
          httpGet:
            path: /health
            port: api
            scheme: HTTP
          initialDelaySeconds: 5
          periodSeconds: 10
          successThreshold: 1
          timeoutSeconds: 1
        envFrom:
          - configMapRef:
              name: influxdb-multimap
          - secretRef:
              name: influxdb-secret
        volumeMounts:
          - name: influxdb
            mountPath: /var/lib/influxdb/
            readOnly: false
```

```
volumes:
  - name: influxdb
    persistentVolumeClaim:
      claimName: influxdb-pvc
---
apiVersion: v1
kind: Service
metadata:
  name: influxdb
spec:
  ports:
    - port: 8086
      name: api
      targetPort: 8086
      protocol: TCP
    - port: 8086
      name: udp-counters
      targetPort: 8086
      protocol: UDP
  type: ClusterIP
  selector:
    name: influxdb
```

## Notes

- Replace placeholder values with environment-specific credentials. Examples use `stringData` for readability. If you prefer `data:`, base64-encode values.
- Adjust PVC size and `StorageClass` as needed.