

LOGZILLA DOCUMENTATION

Kubernetes Front End

LogZilla NGINX front-end Kubernetes manifest with ConfigMap, Deployment, and Service definitions for serving the UI and proxying API and WebSocket traffic

Kubernetes Deployment Overview · Generated April 27, 2026 · logzilla.ai/docs/kubernetes-deployment/front-end

Front end (NGINX) manifest

```
apiVersion: v1
kind: ConfigMap
metadata:
  name: front-conf
data:
  nginx.conf: |
    worker_processes 2;

    user nginx nginx;
    pid /tmp/nginx.pid;
    error_log stderr info;

    events {
      worker_connections 1024;
      accept_mutex on;
    }

    http {
      include /etc/nginx/mime.types;
      default_type application/octet-stream;
      access_log /dev/stdout combined;
      sendfile on;
      client_body_buffer_size 50m;
      client_max_body_size 50m;
      proxy_buffers 16 1m;
      proxy_buffer_size 1m;

      proxy_redirect off;

      server {
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header Host $http_host;
        proxy_set_header X-HTTPS-Protocol $ssl_protocol;
        proxy_set_header HTTP_INTERNAL_REQUEST_USERNAME "";

        root /usr/share/nginx/html;

        location /version {
          add_header Content-Type text/plain;
          add_header Cache-Control no-cache;
          try_files $uri /version.txt;
        }

        location /api/static/ {
          try_files $uri =404;
        }

        set $ui "ui1";
```

```
    if ($server_port = 80 ) { set $ui "ui1"; }
    if ($server_port = 8080 ) { set $ui "ui2"; }

    location / {
        root "/usr/share/nginx/html/$ui";
        try_files $uri /index.html;
    }

    listen 80 default_server;
    listen 8080;
}
}
}
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: front
spec:
  selector:
    matchLabels:
      name: front
  template:
    metadata:
      labels:
        name: front
    spec:
      containers:
      - name: front
        image: logzilla/front:stable
        imagePullPolicy: Always
        resources:
          requests:
            memory: "200Mi"
            cpu: "200m"
          limits:
            memory: "1Gi"
            cpu: "1000m"
        ports:
        - containerPort: 80
          protocol: TCP
          name: front-port
        - containerPort: 8080
          protocol: TCP
          name: new-front-port
      livenessProbe:
        httpGet:
          path: /version
          port: 80
          scheme: HTTP
        failureThreshold: 3
        initialDelaySeconds: 30
        periodSeconds: 10
        successThreshold: 1
        timeoutSeconds: 5
```

```
    startupProbe:
      httpGet:
        path: /version
        port: 80
        scheme: HTTP
      failureThreshold: 3
      initialDelaySeconds: 5
      periodSeconds: 10
      successThreshold: 1
      timeoutSeconds: 5
    volumeMounts:
    - name: nginx-conf
      mountPath: /etc/nginx/nginx.conf
      subPath: nginx.conf
      readOnly: true
    volumes:
    - name: nginx-conf
      configMap:
        name: front-conf
---
apiVersion: v1
kind: Service
metadata:
  name: front
spec:
  ports:
    - port: 80
      targetPort: front-port
      protocol: TCP
      name: ui-port
    - port: 8080
      targetPort: new-front-port
      protocol: TCP
      name: new-ui-port
  type: ClusterIP
  selector:
    name: front
```

Notes

- The front end serves the UI and static assets and proxies to UI variants.
- Ensure the front Deployment is applied after the LogZilla API is running.