

```
kind: ConfigMap
apiVersion: v1
metadata:
  name: nginx-config
data:
  nginx.conf: |
    events {

    }

    http {
      server {
        listen 80 default_server;
        listen [::]:80 default_server;

        # Set nginx to serve files from the shared volume!
        root /var/www/html;
        index index.html index.htm index.php;
        server_name _;

        location / {
          rewrite .* /index.php;
        }

        location ~ \.php$ {
          include fastcgi_params;
          fastcgi_index index.php;
          fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
          fastcgi_param REQUEST_METHOD $request_method;
        }
      }
    }
  }
```

```
---
apiVersion: v1
kind: PersistentVolume
metadata:
  name: nginx-pv
  labels:
    app: nginx-volume
spec:
  capacity:
    storage: 5Gi
  accessModes:
    - ReadWriteOnce
  storageClassName: standard
  hostPath:
    path: "/mnt/data"
```

```
---
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
```

```
name: nginx-pv-claim
spec:
  accessModes:
    - ReadWriteOnce
  storageClassName: standard
  resources:
    requests:
      storage: 2Gi
---
apiVersion: apps/v1
kind: Deployment
metadata:
  labels:
    app: app
  name: nginx-wp-dp
spec:
  replicas: 1
  selector:
    matchLabels:
      app: app
  strategy:
    type: Recreate
  template:
    metadata:
      labels:
        app: app
    spec:
      containers:
        - name: nginx-container
          image: nginx:latest

      env:
        - name: MYSQL_DATABASE
          valueFrom:
            secretKeyRef:
              name: mysql-db-url
              key: database
        - name: MYSQL_USER
          valueFrom:
            secretKeyRef:
              name: mysql-user-pass
              key: username
        - name: MYSQL_ROOT_PASSWORD
          valueFrom:
            secretKeyRef:
              name: mysql-root-pass
              key: password
        - name: MYSQL_PASSWORD
          valueFrom:
            secretKeyRef:
              name: mysql-user-pass
              key: password
```

```
- name: MYSQL_HOST
valueFrom:
  secretKeyRef:
    name: mysql-host
    key: host
volumeMounts:
- name: shared-files
  mountPath: /var/www/html
- name: nginx-config-volume
  mountPath: /etc/nginx/nginx.conf
  subPath: nginx.conf
ports:
- containerPort: 80
  name: http
  protocol: TCP
- name: php-fpm-container
image: wordpress:php7.2-fpm
env:
- name: MYSQL_DATABASE
valueFrom:
  secretKeyRef:
    name: mysql-db-url
    key: database
- name: MYSQL_USER
valueFrom:
  secretKeyRef:
    name: mysql-user-pass
    key: username
- name: MYSQL_ROOT_PASSWORD
valueFrom:
  secretKeyRef:
    name: mysql-root-pass
    key: password
- name: MYSQL_PASSWORD
valueFrom:
  secretKeyRef:
    name: mysql-user-pass
    key: password
- name: MYSQL_HOST
valueFrom:
  secretKeyRef:
    name: mysql-host
    key: host
volumeMounts:
- name: shared-files
  mountPath: /var/www/html
volumes:
- name: nginx-persistent-storage
  persistentVolumeClaim:
    claimName: nginx-pv-claim
- name: shared-files
  emptyDir: {}
```

- name: nginx-config-volume

configMap:
 name: nginx-config

apiVersion: v1
kind: Service
metadata:
 name: nginx-service
 labels:
 app: app
spec:
 ports:
 - port: 80
 targetPort: 80
 nodePort: 30008
 type: LoadBalancer
 selector:
 app: app