

Rally Kubernetes Manifests

This directory contains base Kubernetes manifests to self-host Rally. It separates configuration (ConfigMaps) from sensitive data (Secrets) and uses a StatefulSet for the PostgreSQL database.

Prerequisites

- A Kubernetes cluster.
- `kubectl` configured to talk to your cluster.
- An Ingress Controller (e.g., NGINX) installed.

Configuration

1. Secrets (`secrets.yaml`):

- **Important:** Do not commit the `secrets.yaml` file with real credentials to version control.
- Update `POSTGRES_PASSWORD` and `SECRET_PASSWORD` (use `openssl rand -hex 32` to generate).
- Update `DATABASE_URL` to match your postgres password.

2. Config (`rally-config.yaml`):

- Update `NEXT_PUBLIC_BASE_URL` to match your domain.
- Configure your SMTP settings for emails.

3. Ingress (`ingress.yaml`):

- Change `host: rally.example.com` to your actual domain.
- Ensure `ingressClassName` matches your cluster's controller (default is set to `nginx`).

Deployment Order

Apply the manifests in the following order to ensure dependencies are met:

```
# 1. Apply Secrets and Config first
kubectl apply -f secrets.yaml
kubectl apply -f rally-config.yaml

# 2. Apply Database (StatefulSet)
kubectl apply -f postgres.yaml

# 3. Apply Application (Deployment)
kubectl apply -f rally.yaml

# 4. Apply Ingress
kubectl apply -f ingress.yaml

# 5. Check that the pods are running - should show '1/1 Running' for each pod.
kubectl get pods
```