

# Helm Charts

Key points about the Helm charts:

The setup uses Helm to manage deployments of various infrastructure components, with similar configurations across staging and production environments.

The ingress controller handles routing and SSL/TLS termination using cert-manager and Let's Encrypt for certificate management.

Additional monitoring and analytics tools (Prometheus, Grafana, Elasticsearch) are also deployed to support the infrastructure.

This is located in the [deploy repository](#) and located in the [helm.tf](#) and [helm folder](#), this is quite a large file including our Ingress controller deployment.

Snapshot:

- Most options are the same for staging and production
- Uses cert-manager with Let's Encrypt for certificate generation
- Other components being deployed:
  - Matomo
  - MySQL database (for Matomo support)
  - Prometheus
  - Grafana
  - Elasticsearch
- Most of the code is applied identically to both staging and production repositories
- There's a Makefile that handles the switchover between environments (covered in another [document](#))
- All of these relate to Helm charts that support the infrastructure