

Helm

Waldur Helm

Waldur publishes a Helm chart for easy deployment on a Kubernetes cluster using the [Helm](#) package manager.

Installing prerequisites

1. Install Kubernetes server.
2. Install Kubernetes client, i.e. kubectl.
3. Install [Helm](#)

Installing the Chart

1. Add the stable repository

```
1 helm repo add stable https://charts.helm.sh/stable
```

2. Install Chart dependencies:

```
1 helm dep update waldur
```

3. Setup database:

3.1 Setup single PostgreSQL DB: [instructions](#), or

3.2 Setup PostgreSQL HA DB: [instructions](#)

NB Only one of these two options should be used. Otherwise, DB will be unavailable. 4. Install minio (for media): [instructions](#) 5. Install RabbitMQ for task queue: [instructions](#) 5. Install Helm package:

```
1 # in 'waldur-helm-  
2 poc/'  
helm install waldur  
waldur
```

NB After this command, Waldur release will run in `default` namespace. Please, pay attention in which namespace which release is running.

For instance, you can install Waldur release in `test` namespace in the following way:

1. Create `test` namespace:

```
1 kubectl create namespace
  test
```

2. Install release:

```
1 helm install waldur waldur --namespace
  test
```

Adding admin user

Open `waldur-mastermind-worker` shell and execute the following command:

1. Get `waldur-mastermind-worker` pod name

```
1 # Example:
2 kubectl get pods -A | grep waldur-mastermind-worker # -->
3 # default      waldur-mastermind-worker-6d98cd98bd-wps8n    1/1
  Running       0          9m9s
```

2. Connect to pod via shell

```
1 # Example:
2 kubectl exec -it waldur-mastermind-worker-6d98cd98bd-wps8n -- /bin/
  bash
```

3. Execute command to add admin user

```
1 waldur createstaffuser -u user -p password -e
  admin@example.com
```

Waldur Helm chart release upgrading

Delete `initdb` job (if exists):

```
1 kubectl delete job waldur-mastermind-initdb-job ||
  true
```

Upgrade Waldur dependencies and release:

```
1 helm dep update waldur/  
2 helm upgrade waldur  
waldur/
```

Restart deployments to apply configmaps changes:

```
1 kubectl rollout restart deployment waldur-mastermind-  
2 beat  
3 kubectl rollout restart deployment waldur-mastermind-  
4 api  
kubectl rollout restart deployment waldur-mastermind-  
worker  
kubectl rollout restart deployment waldur-homeport
```

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