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. kubetctl.

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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