

Backups

Waldur keeps state in 2 components:

- Database - main persistency layer.
- Message queue - contains transient data mostly about scheduled jobs and cache.

Of these, only database needs to be backed up.

A typical approach to a backup is:

1. Create a DB dump.

```
1  1. An entire db dump
2  ```bash
3  docker exec -t waldur-db pg_dump -U waldur waldur | gzip -9 > waldur-$(
4  (date +%Y%m%dT%H%M%S')).sql.gz
5  ```
6  2. An entire db dump with cleanup commands:
7  ```bash
8  docker exec -t waldur-db pg_dump --clean -U waldur waldur | gzip -9 >
9  waldur-$(date +%Y%m%dT%H%M%S')).sql.gz
10 ```
11 3. A db dump containing only data
12 ```bash
    docker exec -t waldur-db pg_dump -a -U waldur waldur | gzip -9 > waldur-$(
    (date +%Y%m%dT%H%M%S')).sql.gz
    ```
```

## 2. Copy backup to a remote location.

Using rsync / scp or more specialised tools.

## 3. Restore the created backup.

```
1 cat waldur-backup.sql | docker exec -i waldur-db psql -U
 waldur
```

We suggest to make sure that backups are running regularly, e.g. using cron.