

# Content Repository configuration

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The **content repository** is where all your content is been stored. It is the heart of eZ Publish which you interact with using Public API.

To store data, the content repository **uses a storage engine**, that can virtually can work with any kind of storage (RDBMS, NoSQL...). eZ Publish 5 comes with a relational storage engine, compatible with v4.x: the **Legacy storage engine**, which is the default.

You can define several repositories within a single application. However, you can only use one per site.

## Version compatibility

Following configuration examples are compatible with **eZ Publish 5.3 / 2014.03**

## Configuration examples

### Using default values

#### ezpublish.yml

```
ezpublish:
  repositories:
    # Defining repository with alias "main"
    # Default storage engine is used, with default connection
    # Equals to:
    # main: { engine: legacy, connection: <defaultConnectionName> }
    main: ~

  system:
    # All members of my_siteaccess_group will use "main" repository
    # No need to set "repository", it will take the first defined repository by
default
  my_siteaccess_group:
    # ...
```

If no repository is specified for a siteaccess or siteaccess group, the first defined repository (under `ezpublish.repositories`) will be used.

### All explicit

## ezpublish.yml

```
doctrine:
  dbal:
    default_connection: my_connection_name
    connections:
      my_connection_name:
        driver: pdo_mysql
        host: localhost
        port: 3306
        dbname: my_database
        user: my_user
        password: my_password
        charset: UTF8

      another_connection_name:
        # ...

ezpublish:
  repositories:
    first_repository: { engine: legacy, connection: my_connection_name, config: {}
  }
    second_repository: { engine: legacy, connection: another_connection_name,
config: {} }

  # ...

  system:
    my_first_siteaccess:
      repository: first_repository

    # ...

    my_second_siteaccess:
      repository: second_repository
```

## Legacy storage engine

As of eZ Publish 5.3, legacy storage engine uses [Doctrine DBAL](#) (Database Abstraction Layer). Database settings are supplied by [DoctrineBundle](#). As such, you can refer to [DoctrineBundle's documentation](#).

### ORM

Doctrine ORM is **not** provided by default. If you want to use it, you will need to add `doctrine/orm` as a dependency in your `composer.json`.

## Limit of archived Content item versions

### V5.4.10

`default_version_archive_limit` controls the number of archived versions per Content item that will be stored in the repository, by default set to 5. This setting is configured in the following way (typically in `ezpublish.yml`):

```
ezpublish:
  repositories:
    default:
      options:
        default_version_archive_limit: 10
```

This limit is enforced on publishing a new version and only covers archived versions, not drafts.