



# General Configuration

Outline:

- [Introduction](#)
- [Waldur Core settings](#)
- [Admin dashboard configuration](#)
- [Custom templates configuration](#)
- [Local time zone configuration](#)

## Introduction

Waldur is a [Django](#)-based application, so configuration is done by modifying `settings.py` file.

If you want to configure options related to Django, such as tune caches, database connection, configure custom logging, etc, please refer to [Django documentation](#).

Configuration for Waldur Core is namespaced inside a single Django setting, named `WALDUR_CORE`. Usually each plugin's settings are namespaced, so please refer to plugin documentation for details.

Basic configuration might look like this:

```

WALDUR_CORE = {
  'ENABLE_GEOIP': True,
  'EXTENSIONS_AUTOREGISTER': True,
  'GOOGLE_API': {
    'Android': {
      'server_key': 'AIzaSyA2_7UaVixXfKeFvxTjQNZbrzkXG90TCkg',
    },
    'iOS': {
      'server_key': 'AIzaSyA34zlG_y5uH0e2FmcJKwfk2vG-3RW05vk',
    }
  },
  'SHOW_ALL_USERS': False,
  'OWNER_CAN_MANAGE_CUSTOMER': False,
  'CREATE_DEFAULT_PROJECT_ON_ORGANIZATION_CREATION': False,
  'TOKEN_KEY': 'x-auth-token',
  'TOKEN_LIFETIME': timedelta(hours=1),
  'SITE_NAME': 'Waldur MasterMind',
  'COUNTRIES': ['EE', 'LV', 'LT'],
  'NOTIFICATIONS_PROFILE_CHANGES': {
    'ENABLED': True,
    'FIELDS': ('email', 'phone_number', 'job_title')
  },
}

```

Waldur will send notifications from email address specified in `DEFAULT_FROM_EMAIL` variable. for example,

```

DEFAULT_FROM_EMAIL = 'noreply@example.com'

```

## Waldur Core settings

- `ALLOW_SIGNUP_WITHOUT_INVITATION` is disabled by default. Set to `True` to enable signup by invitation only.
- `AUTHENTICATION_METHODS` is a list of enabled authentication methods. It allows you to restrict enabled authentication methods.
- `BACKEND_FIELDS_EDITABLE` allows to control `/admin` writable fields. If this flag is disabled, it is impossible to edit any field that corresponds to backend value via `/admin`. Such restriction allows to save information from corruption. Flag is enabled by default.
- `COMPANY_TYPES` specifies list of available company types, it is used in organization creation dialog. By default *Ministry*, *Private company*, *Public company*, *Government owned company* are available.
- `COUNTRIES` list is used in organization creation dialog in order to limit country choices to predefined set.
- `CREATE_DEFAULT_PROJECT_ON_ORGANIZATION_CREATION` enables generation of the first project on organization creation.

- `CURRENCY_NAME` is used in marketplace order details and invoice for currency formatting.
- `ENABLE_ACCOUNTING_START_DATE` allows to enable accounting only for organizations using value of `accounting_start_date` field. Disabled by default.
- `ENABLE_GEOIP` indicates whether geolocation is enabled (boolean). Enabled by default.
- `EXTENSIONS_AUTOREGISTER` defines whether extensions should be automatically registered (boolean).
- `GOOGLE_API` is settings dictionary for Google Cloud Messaging:
  - `Android` specifies settings for Android devices. `server_key` is Google Cloud messaging server key.
  - `IOS` specifies settings for IOS devices. `server_key` is Google Cloud messaging server key.
- `NOTIFICATION_TITLE` is string to be displayed in the notification pop-up title.
- `INITIAL_CUSTOMER_AGREEMENT_NUMBER` allows to tweak initial value of agreement number (4000 by default). It is assumed that organization owner should accept terms of services when organization is registered via Waldur HomePort.
- `INVITATION_LIFETIME` defines for how long invitation remains valid. Default value - 1 week.
- `INVITATIONS_ENABLED` allows to enable invitations feature. Enabled by default.
- `NATIVE_NAME_ENABLED` allows to render native name field in customer and user forms. Disabled by default.
- `NOTIFICATIONS_PROFILE_CHANGES` allows enabling notifications about profile changes of organization owners and allows selecting, which fields of profile should be tracked.
- `OWNER_CAN_MANAGE_CUSTOMER` enables organization owners to create an organization (boolean).
- `OWNERS_CAN_MANAGE_OWNERS` enables organization owners to manage other organization owners, enabled by default.
- `ONLY_STAFF_MANAGES_SERVICES` allows to restrict provider management only to staff users, disabled by default. Please also note, that if this flag is enabled, OpenStack tenant provision & modification would be available for staff users only. It means that organization owners wouldn't be able to manage virtual private clouds.
- `SELLER_COUNTRY_CODE` specifies seller legal or effective country of registration or residence as an ISO 3166-1 alpha-2 country code. It is used for computing VAT charge rate.
- `SHOW_ALL_USERS` indicates whether user can see all other users in `api/users/` endpoint (boolean).
- `SITE_NAME` is used in email notifications in order to refer to the current deployment in user-friendly way.

- `SITE_ADDRESS` is used in marketplace order header.
- `SITE_EMAIL` is used in marketplace order header.
- `SITE_PHONE` is used in marketplace order header.
- `SITE_LOGO` is used in marketplace order header.
- `TOKEN_KEY` is header for token authentication. For example, 'x-auth-token'.
- `TOKEN_LIFETIME` defines for how long user token should remain valid if there was no action from user ( `timedelta` value, for example `timedelta(hours=1)` ).
- `VALIDATE_INVITATION_EMAIL` allows to ensure that invitation and user emails match. Disabled by default.

## Admin dashboard configuration

An admin dashboard supports custom links on Quick access panel. For instance, a panel below was configured with one additional link to **<https://waldur.com>**:



Configuration of custom links is stored under `FLUENT_DASHBOARD_QUICK_ACCESS_LINKS` settings key and for current example has following structure:

```
FLUENT_DASHBOARD_QUICK_ACCESS_LINKS = [
    {
        'title': '[Custom] Waldur - Cloud Service',
        'url': 'https://waldur.com',
        'external': True, # adds an icon specifying that this link is external,
        'description': 'Open-source Cloud Brokerage Platform',
        'attrs': {'target': '_blank'} # add an attribute to generated anchor
        element which will open link in a new tab.
    },
]
```

Here is a short description of link parameters:

Name	Type	Required	Description
description	string	No	Tool tip on the link
external	boolean	No	Specifies whether additional icon indicating an external URL has to be added
url	URL	Yes	A URL of the link
title	string	Yes	A title of the generated link
attrs	dict	No	A dictionary of anchor attributes to be added to generated element

It is also possible to omit optional fields and add links by specifying only a title and a URL to the generated link.

```
FLUENT_DASHBOARD_QUICK_ACCESS_LINKS = [
    ['[Custom] Waldur - Cloud Service', 'https://waldur.com'],
    ['Find us on GitHub', 'https://github.com/opennode/waldur-core'],
]
```

## Custom templates configuration

To overwrite default templates you should use [django-dbtemplates](#). It allows creation of templates through `/admin`.

## Local time zone configuration

Set `TIME_ZONE` setting in `/etc/waldur/override.conf.py` to use local time zone. By default it is set to UTC. See the [list of time zones](#) for possible options.