

Configuration guide

WALDUR_AUTH_SOCIAL plugin

Default value:

```
1  WALDUR_AUTH_SOCIAL = {'EDUTEAMS_AUTH_URL': 'https://
2  proxy.acc.eduteams.org/saml2sp/OIDC/authorization',
3  'EDUTEAMS_CLIENT_ID': '',
4  'EDUTEAMS_LABEL': 'Eduteams',
5  'EDUTEAMS_SECRET': '',
6  'EDUTEAMS_TOKEN_URL': 'https://proxy.acc.eduteams.org/OIDC/token',
7  'EDUTEAMS_USERINFO_URL': 'https://proxy.acc.eduteams.org/OIDC/userinfo',
8  'ENABLE_EDUTEAMS_SYNC': False,
9  'FACEBOOK_CLIENT_ID': '',
10 'FACEBOOK_SECRET': '',
11 'KEYCLOAK_AUTH_URL': '',
12 'KEYCLOAK_CLIENT_ID': '',
13 'KEYCLOAK_LABEL': 'Keycloak',
14 'KEYCLOAK_SECRET': '',
15 'KEYCLOAK_TOKEN_URL': '',
16 'KEYCLOAK_USERINFO_URL': '',
17 'REMOTE_EDUTEAMS_ACCESS_TOKEN': '',
18 'REMOTE_EDUTEAMS_TOKEN_URL': 'https://proxy.acc.researcher-access.org/
19 OIDC/token',
20 'REMOTE_EDUTEAMS_USERINFO_URL': 'https://proxy.acc.researcher-
21 access.org/api/userinfo',
22 'SMARTIDEE_CLIENT_ID': '',
23 'SMARTIDEE_SECRET': '',
24 'TARA_CLIENT_ID': '',
    'TARA_LABEL': 'Riigi Autentimisteenus',
    'TARA_SANDBOX': True,
    'TARA_SECRET': ''}
```

EDUTEAMS_AUTH_URL

Type: str

The authorization endpoint performs authentication of the end-user. This is done by redirecting the user agent to this endpoint.

EDUTEAMS_CLIENT_ID

Type: str

ID of application used for OAuth authentication.

EDUTEAMS_LABEL

Type: str

Label is used by HomePort for rendering login button.

EDUTEAMS_SECRET

Type: str

Application secret key.

EDUTEAMS_TOKEN_URL

Type: str

The token endpoint is used to obtain tokens.

EDUTEAMS_USERINFO_URL

Type: str

The userinfo endpoint returns standard claims about the authenticated user, and is protected by a bearer token.

ENABLE_EDUTEAMS_SYNC

Type: bool

Enable EduTeams synchronization with remote Waldur.

FACEBOOK_CLIENT_ID

Type: str

ID of application used for OAuth authentication.

FACEBOOK_SECRET

Type: str

Application secret key.

KEYCLOAK_AUTH_URL

Type: str

The authorization endpoint performs authentication of the end-user. This is done by redirecting the user agent to this endpoint.

KEYCLOAK_CLIENT_ID

Type: str

ID of application used for OAuth authentication.

KEYCLOAK_LABEL

Type: str

Label is used by HomePort for rendering login button.

KEYCLOAK_SECRET

Type: str

Application secret key.

KEYCLOAK_TOKEN_URL

Type: str

The token endpoint is used to obtain tokens.

KEYCLOAK_USERINFO_URL

Type: str

The userinfo endpoint returns standard claims about the authenticated user, and is protected by a bearer token.

REMOTE_EDUTEAMS_ACCESS_TOKEN

Type: str

Token is used to authenticate against user info endpoint.

REMOTE_EDUTEAMS_TOKEN_URL

Type: str

The token endpoint is used to obtain tokens.

REMOTE_EDUTEAMS_USERINFO_URL

Type: str

It allows to get user data based on userid aka CUID.

SMARTIDEE_CLIENT_ID

Type: str

ID of application used for OAuth authentication.

SMARTIDEE_SECRET

Type: str

Application secret key.

TARA_CLIENT_ID

Type: str

ID of application used for OAuth authentication.

TARA_LABEL

Type: str

You may set it to eIDAS, SmartID or MobileID make it more clear to the user which exact identity provider is configured or preferred for service provider.

TARA_SANDBOX

Type: bool

You should set it to False in order to switch to production mode.

TARA_SECRET

Type: str

Application secret key.

WALDUR_CORE plugin

Default value:

```

1  WALDUR_CORE = {'ALLOW_SIGNUP_WITHOUT_INVITATION': True,
2  'ATTACHMENT_LINK_MAX_AGE':
3  datetime.timedelta(seconds=3600),
4  'AUTHENTICATION_METHODS': ['LOCAL_SIGNIN'],
5  'BACKEND_FIELDS_EDITABLE': True,
6  'COUNTRIES': ['EE', 'LV', 'LT'],
7  'CREATE_DEFAULT_PROJECT_ON_ORGANIZATION_CREATION':
8  False,
9  'CURRENCY_NAME': 'EUR',
10 'EMAIL_CHANGE_MAX_AGE': datetime.timedelta(days=1),
11 'ENABLE_ACCOUNTING_START_DATE': False,
12 'ENABLE_GEOIP': True,
13 'EXTENSIONS_AUTOREGISTER': True,
14 'HOMEPORT_URL': 'https://example.com/',
15 'HTTP_CHUNK_SIZE': 50,
16 'INITIAL_CUSTOMER_AGREEMENT_NUMBER': 4000,
17 'INVITATIONS_ENABLED': True,
18 'INVITATION_CREATE_MISSING_USER': False,
19 'INVITATION_DISABLE_MULTIPLE_ROLES': False,
20 'INVITATION_LIFETIME': datetime.timedelta(days=7),
21 'INVITATION_MAX_AGE': None,
22 'LOGGING_REPORT_DIRECTORY': '/var/log/waldur',
23 'LOGGING_REPORT_INTERVAL': datetime.timedelta(days=7),
24 'NATIVE_NAME_ENABLED': False,
25 'NOTIFICATIONS_PROFILE_CHANGES': {'ENABLED': True,
26                                     'FIELDS': ('email',
27 'phone_number',
28 'job_title')},
29 'NOTIFICATION_SUBJECT': 'Notifications from Waldur',
30 'ONLY_STAFF_CAN_INVITE_USERS': False,
31 'ONLY_STAFF_MANAGES_SERVICES': False,
32 'OWNERS_CAN_MANAGE_OWNERS': False,
33 'OWNER_CAN_MANAGE_CUSTOMER': False,
34 'PROTECT_USER_DETAILS_FOR_REGISTRATION_METHODS': [],
35 'SELLER_COUNTRY_CODE': None,
36 'SHOW_ALL_USERS': False,
37 'SITE_ADDRESS': 'Default address',
38 'SITE_EMAIL': 'Default email',
39 'SITE_LOGO': None,
40 'SITE_NAME': 'Waldur MasterMind',
41 'SITE_PHONE': 'Default phone',
42 'TOKEN_KEY': 'x-auth-token',
43 'TOKEN_LIFETIME': datetime.timedelta(seconds=3600),
44 'USE_ATOMIC_TRANSACTION': True,
45 'VALIDATE_INVITATION_EMAIL': False}

```

ALLOW_SIGNUP_WITHOUT_INVITATION

Type: bool

Allow to signup without an invitation.

ATTACHMENT_LINK_MAX_AGE

Type: timedelta

Max age of secure token for media download.

AUTHENTICATION_METHODS

Type: List[str]

List of enabled authentication methods.

BACKEND_FIELDS_EDITABLE

Type: bool

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.

COUNTRIES

Type: List[str]

It is used in organization creation dialog in order to limit country choices to predefined set.

CREATE_DEFAULT_PROJECT_ON_ORGANIZATION_CREATION

Type: bool

Enables generation of the first project on organization creation.

CURRENCY_NAME

Type: str

It is used in marketplace order details and invoices for currency formatting.

EMAIL_CHANGE_MAX_AGE

Type: timedelta

Max age of change email request.

ENABLE_ACCOUNTING_START_DATE

Type: bool

Allows to enable accounting for organizations using value of accounting_start_date field.

ENABLE_GEOIP

Type: bool

Enable detection of coordinates of virtual machines.

EXTENSIONS_AUTOREGISTER

Type: bool

Defines whether extensions should be automatically registered.

HOMEPORT_URL

Type: str

It is used for rendering callback URL in HomePort.

HTTP_CHUNK_SIZE

Type: int

Chunk size for resource fetching from backend API. It is needed in order to avoid too long HTTP request error.

INITIAL_CUSTOMER_AGREEMENT_NUMBER

Type: int

Allows to tweak initial value of agreement number. It is assumed that organization owner should accept terms of services when organization is registered via Waldur HomePort.

INVITATIONS_ENABLED

Type: bool

Allows to disable invitations feature.

INVITATION_CREATE_MISSING_USER

Type: bool

Allow to create FreeIPA user using details specified in invitation if user does not exist yet.

INVITATION_DISABLE_MULTIPLE_ROLES

Type: bool

Do not allow user to grant multiple roles in the same project or organization using invitation.

INVITATION_LIFETIME

Type: timedelta

Defines for how long invitation remains valid.

INVITATION_MAX_AGE

Type: Optional[timedelta]

Max age of invitation token. It is used in approve and reject actions.

LOGGING_REPORT_DIRECTORY

Type: str

Directory where log files are located.

LOGGING_REPORT_INTERVAL

Type: timedelta

Files older than specified interval are filtered out.

NATIVE_NAME_ENABLED

Type: bool

Allows to render native name field in customer and user forms.

NOTIFICATIONS_PROFILE_CHANGES

Type: dict

Allows enabling notifications about profile changes of organization owners.

NOTIFICATION_SUBJECT

Type: str

It is used as a subject of email emitted by event logging hook.

ONLY_STAFF_CAN_INVITE_USERS

Type: bool

Allow to limit invitation management to staff only.

ONLY_STAFF_MANAGES_SERVICES

Type: bool

Allows to restrict provider management only to staff users.

OWNERS_CAN_MANAGE_OWNERS

Type: bool

Enables organization owners to manage other organization owners.

OWNER_CAN_MANAGE_CUSTOMER

Type: bool

Enables organization owners to create an organization.

PROTECT_USER_DETAILS_FOR_REGISTRATION_METHODS

Type: List[str]

List of authentication methods which are not allowed to update user details.

SELLER_COUNTRY_CODE

Type: Optional[str]

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

Type: bool

Indicates whether user can see all other users in `api/users/` endpoint.

SITE_ADDRESS

Type: str

It is used in marketplace order header.

SITE_EMAIL

Type: str

It is used in marketplace order header.

SITE_LOGO

Type: Optional[str]

It is used in marketplace order header.

SITE_NAME

Type: str

It is used in email notifications in order to refer to the current deployment in user-friendly way.

SITE_PHONE

Type: str

It is used in marketplace order header.

TOKEN_KEY

Type: str

Header for token authentication.

TOKEN_LIFETIME

Type: timedelta

Defines for how long user token should remain valid if there was no action from user.

USE_ATOMIC_TRANSACTION

Type: bool

Wrap action views in atomic transaction.

VALIDATE_INVITATION_EMAIL

Type: bool

Ensure that invitation and user emails match.

WALDUR_FREEIPA plugin

Default value:

```
1 WALDUR_FREEIPA = {'BLACKLISTED_USERNAMES':  
2   ['root'],  
3   'ENABLED': False,  
4   'GROUPNAME_PREFIX': 'waldur',  
5   'GROUP_SYNCHRONIZATION_ENABLED': True,  
6   'HOSTNAME': 'ipa.example.com',  
7   'PASSWORD': 'secret',  
8   'USERNAME': 'admin',  
9   'USERNAME_PREFIX': 'waldur',  
   'VERIFY_SSL': True}
```

BLACKLISTED_USERNAMES

Type: list

List of username that users are not allowed to select

ENABLED

Type: bool

Enable integration of identity provisioning in configured FreeIPA

GROUPNAME_PREFIX

Type: str

Prefix to be appended to all group names created in FreeIPA by Waldur

GROUP_SYNCHRONIZATION_ENABLED

Type: bool

Optionally disable creation of user groups in FreeIPA matching Waldur structure

HOSTNAME

Type: str

Hostname of FreeIPA server

PASSWORD

Type: str

Password of FreeIPA user with administrative privileges

USERNAME

Type: str

Username of FreeIPA user with administrative privileges

USERNAME_PREFIX

Type: str

Prefix to be appended to all usernames created in FreeIPA by Waldur

VERIFY_SSL

Type: bool

Validate TLS certificate of FreeIPA web interface / REST API

WALDUR_HPC plugin

Default value:

```
1  WALDUR_HPC = {'ENABLED':  
2  False,  
3  'EXTERNAL_AFFILIATIONS':  
4  [],  
5  'EXTERNAL_CUSTOMER_UUID':  
6  '',  
7  
8  'EXTERNAL_EMAIL_PATTERNS':  
9  [],  
10 'INTERNAL_AFFILIATIONS':  
    [],  
    'INTERNAL_CUSTOMER_UUID':  
    '',  
  
    'INTERNAL_EMAIL_PATTERNS':  
    [],  
    'INTERNAL_LIMITS': {},  
    'OFFERING_UUID': '',  
    'PLAN_UUID': ''}
```

ENABLED

Type: bool

Enable HPC-specific hooks in Waldur deployment

EXTERNAL_AFFILIATIONS

Type: List[str]

List of user affiliations (eduPersonScopedAffiliation fields) that define if the user belongs to external organization.

EXTERNAL_CUSTOMER_UUID

Type: str

UUID of a Waldur organization (aka customer) where new external users would be added

EXTERNAL_EMAIL_PATTERNS

Type: List[str]

List of user email patterns (as regex) that define if the user belongs to external organization.

INTERNAL_AFFILIATIONS

Type: List[str]

List of user affiliations (eduPersonScopedAffiliation fields) that define if the user belongs to internal organization.

INTERNAL_CUSTOMER_UUID

Type: str

UUID of a Waldur organization (aka customer) where new internal users would be added

INTERNAL_EMAIL_PATTERNS

Type: List[str]

List of user email patterns (as regex) that define if the user belongs to internal organization.

INTERNAL_LIMITS

Type: dict

Overridden default values for SLURM offering to be created for users belonging to internal organization.

OFFERING_UUID

Type: str

UUID of a Waldur SLURM offering, which will be used for creating allocations for users

PLAN_UUID

Type: str

UUID of a Waldur SLURM offering plan, which will be used for creating allocations for users

WALDUR_MARKETPLACE plugin

Default value:

```

1  WALDUR_MARKETPLACE = {'ADMIN_CAN_APPROVE_ORDER': False,
2  'ANONYMOUS_USER_CAN_VIEW_OFFERINGS': True,
3  'DISABLE_SENDING_NOTIFICATIONS_ABOUT_RESOURCE_UPDATE': True,
4  'ENABLE_STALE_RESOURCE_NOTIFICATIONS': False,
5  'MANAGER_CAN_APPROVE_ORDER': False,
6  'NOTIFY_ABOUT_RESOURCE_CHANGE': True,
7  'NOTIFY_STAFF_ABOUT_APPROVALS': False,
8  'OWNER_CAN_APPROVE_ORDER': True,
9  'OWNER_CAN_REGISTER_SERVICE_PROVIDER': False,
10 'PLAN_TEMPLATE': 'Plan: {{ plan.name }}{% for component in components
11 %}\n'
12             '{{component.name}}; amount: {{component.amount}};
13 price: '
            '{{component.price|floatformat }};{% endfor %}',
    'THUMBNAIL_SIZE': (120, 120)}

```

ADMIN_CAN_APPROVE_ORDER

Type: bool

If true, orders for resource can be approved by admin of the customer project

ANONYMOUS_USER_CAN_VIEW_OFFERINGS

Type: bool

Allow anonymous users to see shared offerings in active, paused and archived states

DISABLE_SENDING_NOTIFICATIONS_ABOUT_RESOURCE_UPDATE

Type: bool

Disable only resource update events.

ENABLE_STALE_RESOURCE_NOTIFICATIONS

Type: bool

Enable reminders to owners about resources of shared offerings that have not generated any cost for the last 3 months.

MANAGER_CAN_APPROVE_ORDER

Type: bool

If true, orders for resource can be approved by manager of the customer project

NOTIFY_ABOUT_RESOURCE_CHANGE

Type: bool

If true, notify users about resource changes from Marketplace perspective. Can generate duplicate events if plugins also log

NOTIFY_STAFF_ABOUT_APPROVALS

Type: bool

If true, users with staff role are notified when request for order approval is generated

OWNER_CAN_APPROVE_ORDER

Type: bool

If true, orders for resource can be approved by custom organization owner.

OWNER_CAN_REGISTER_SERVICE_PROVIDER

Type: bool

Allow organization owner to request or mark its organization as service provider

PLAN_TEMPLATE

Type: str

Template for a plan field

THUMBNAIL_SIZE

Type: tuple

Size of the thumbnail to generate when screenshot is uploaded for an offering.

WALDUR_PID plugin

Default value:

```
1 WALDUR_PID = {'DATACITE': {'API_URL': 'https://  
2 example.com',  
3  
4         'COLLECTION_DOI': '',  
5         'PASSWORD': '',  
6         'PREFIX': '',  
         'PUBLISHER': 'Waldur',  
         'REPOSITORY_ID': ''}}
```

DATACITE

Type: dict

Settings for integration of Waldur with Datacite PID service. Collection DOI is used to aggregate generated DOIs.

WALDUR_SLURM plugin

Default value:

```
1 WALDUR_SLURM = {'ALLOCATION_PREFIX': 'waldur_allocation_',
2   'CUSTOMER_PREFIX': 'waldur_customer_',
3   'DEFAULT_LIMITS': {'CPU': 16000, 'GPU': 400, 'RAM':
4   102400000},
5   'ENABLED': False,
6   'PRIVATE_KEY_PATH': '/etc/waldur/id_rsa',
   'PROJECT_PREFIX': 'waldur_project_'}
```

ALLOCATION_PREFIX

Type: str

Prefix for SLURM account name corresponding to Waldur allocation

CUSTOMER_PREFIX

Type: str

Prefix for SLURM account name corresponding to Waldur organization.

DEFAULT_LIMITS

Type: dict

Default limits of account that are set when SLURM account is provisioned.

ENABLED

Type: bool

Enable support for SLURM plugin in a deployment

PRIVATE_KEY_PATH

Type: str

Path to private key file used as SSH identity file for accessing SLURM master.

PROJECT_PREFIX

Type: str

Prefix for SLURM account name corresponding to Waldur project.

Other variables

DEFAULT_FROM_EMAIL

Type: str, default value: webmaster@localhost

Default email address to use for automated correspondence from Waldur.

IMPORT_EXPORT_USE_TRANSACTIONS

Type: bool, default value: True

Controls if resource importing should use database transactions. Using transactions makes imports safer as a failure during import won't import only part of the data set.

IPSTACK_ACCESS_KEY

Type: Optional[str]

Unique authentication key used to gain access to the ipstack API.

LANGUAGES

Type: List[Tuple[str, str]], default value: (('en', 'English'), ('et', 'Eesti'))

The list is a list of two-tuples in the format (language code, language name) – for example, ('ja', 'Japanese'). This specifies which languages are available for language selection.

USE_PROTECTED_URL

Type: bool, default value: False

Protect media URLs using signed token.

VERIFY_WEBHOOK_REQUESTS

Type: bool, default value: True

When webook is processed, requests verifies SSL certificates for HTTPS requests, just like a web browser.

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