VP 2.0 Setting up content sharing

The content sharing is using the Entity Share module with the core-s JSON API module.

The guide sets up a one-way connection but it is possible to use it both ways.

Entity Share its own provides additional synchronization possibility, but it is not a necessity.

Requirements

- The content sharing requires an HTTP connection between servers.
- Drupal user with a role that has permission "**Access channels list**" enabled.

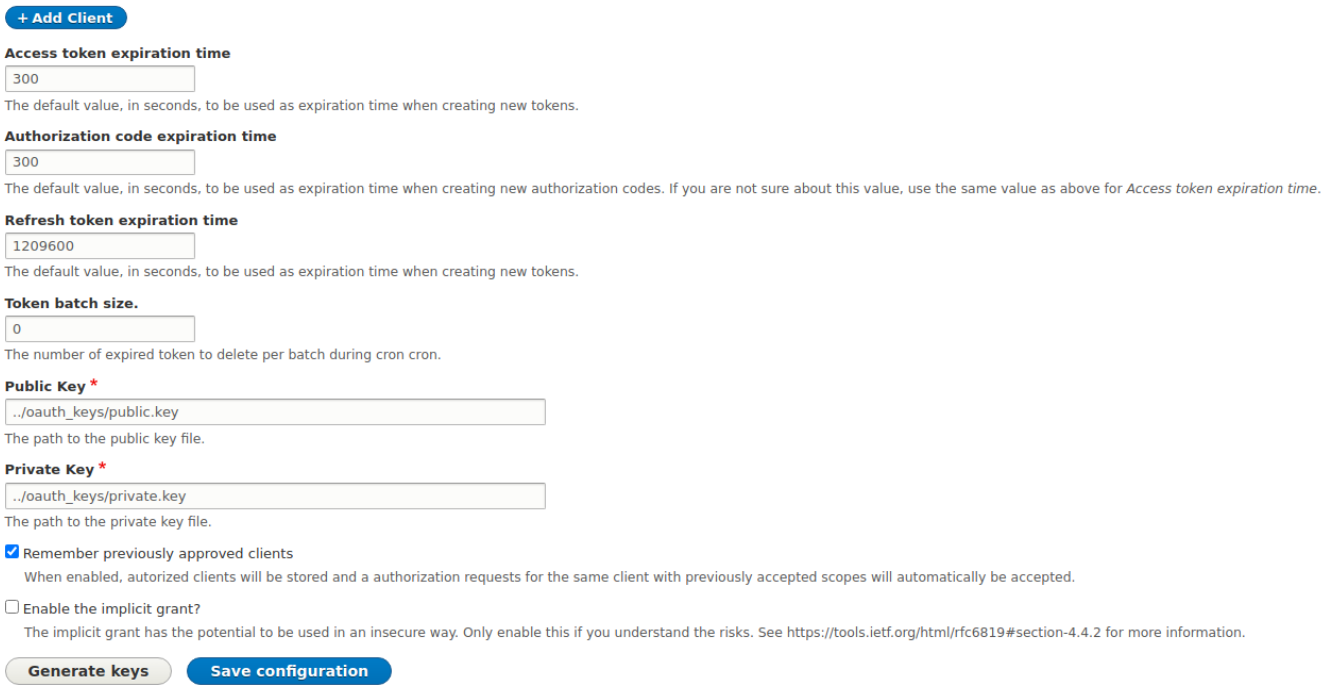
Server-side (where content is pulled from) setup

Authentication

The Entity Share module offers multiple authentications. For VP-project, OAuth is assumed. Authentication uses normal Drupal users. The user itself doesn't need to be the one other user's log in, as it is used only for authentication, it doesn't depend on which user is actually pulling the content.

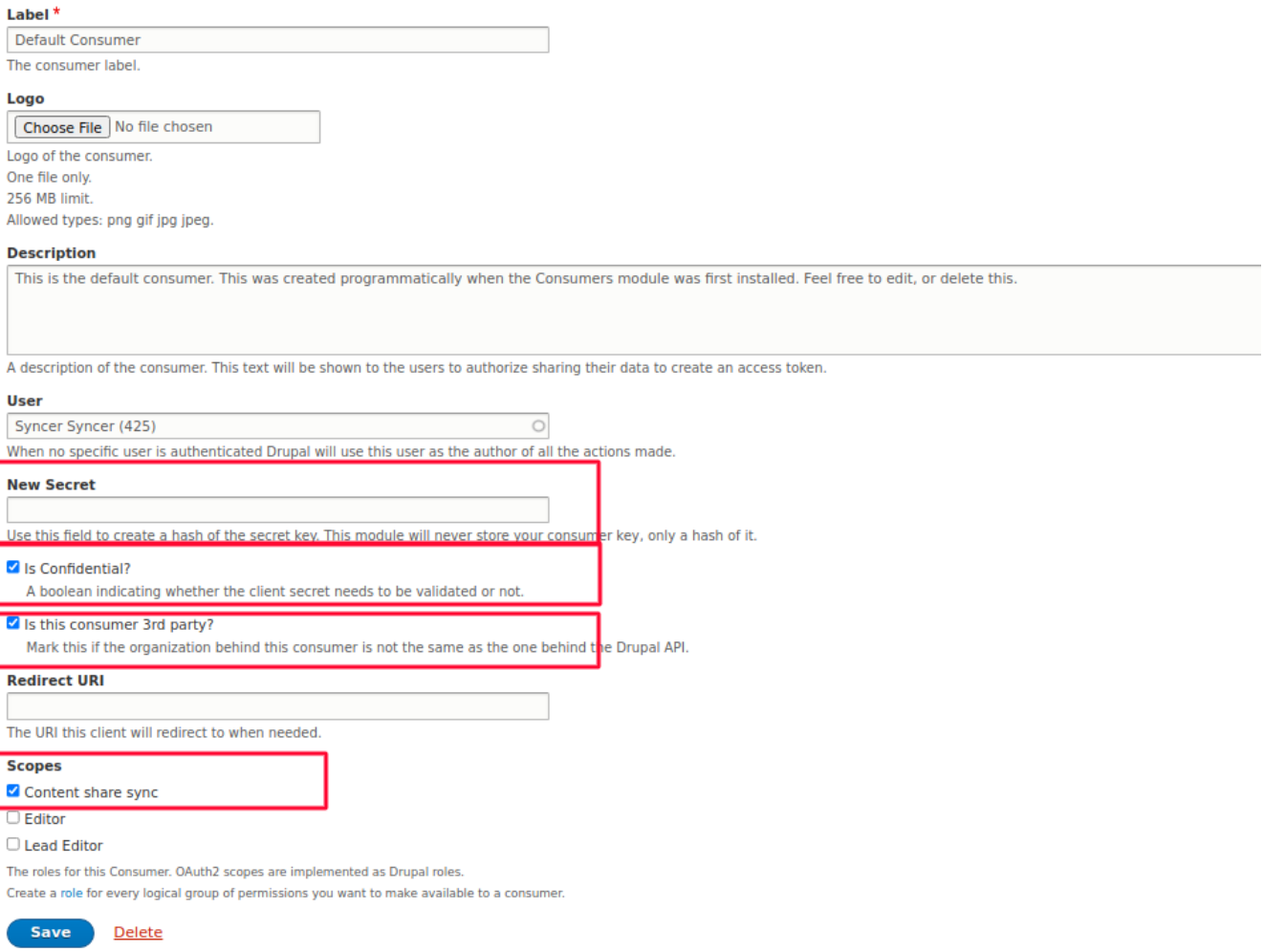
To start with, role permission should be changed to add permission "**Access channels list**". The consumer seems not to list administrator or built-in (anonymous, authenticated) roles, so another role should be used (Content share sync, or create a new one). If that's done, a user should be created with that role, or an existing one should be assigned to that role.

Before setting up a consumer, certificates are needed. It is possible to generate them on the **Simple OAuth settings** form: /admin/config/people /simple_oauth.
Assuming the directory is named oauth_keys (this must be created on the server) and is located outside webroot (in the same folder where the web folder is seen), then after clicking on the **Generate keys** button, a modal appears and the directory path "../oauth_keys" can be inserted. For reference, the form values should look similar:



Check if a special-syncing Drupal user exists, for example, Syncer, and this user has a role content_share_sync.
Update this user password and store this password for configuring the client-side.

For OAuth, a consumer is needed. The module creates a Default consumer which can be used, which can be found here: /admin/config/services /consumer. The required settings that need changes are marked here:



The "**New Secret**" field should be filled with secret random string, it is used later when setting up the connection on the client side.

The checkboxes "**Is confidential**" and "**Is this consumer 3rd party?**" should be **checked**.

In "**Scopes**", the role previously assigned the permission "Access channels list" should be selected.

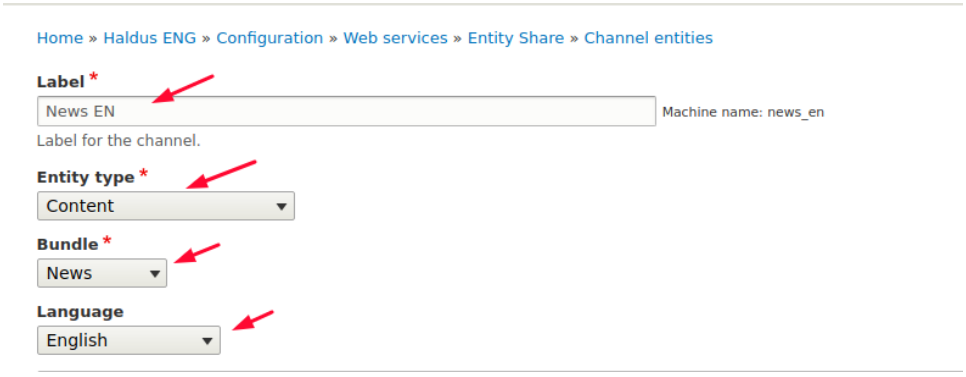
If this is done, then channels at /admin/config/services/entity_share/channel need some additional changes. The module creates all channels based on the content type and the enabled languages. All channels (or the ones that are needed) require to be edited to appear on the client site. When editing a channel, the "**Authorized users**" section needs attention, where previously created user should be selected (the users appear there based on the "Access channels list" permission).

The server-side configuration should be ready. The following details are needed for client side:

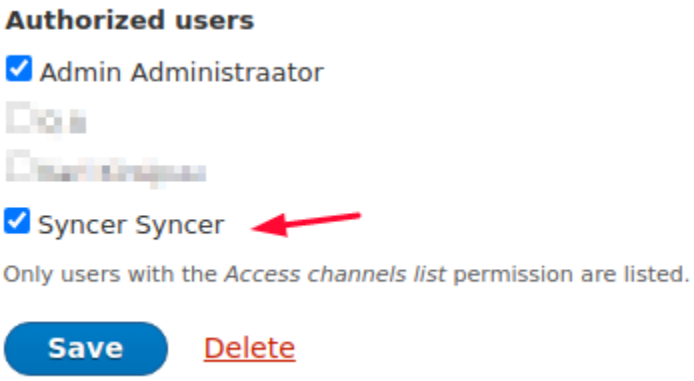
- Consumer UUID
- Secret
- Username and password

Add channels

- Add / configure channels to share
  /admin/config/services/entity_share/channel

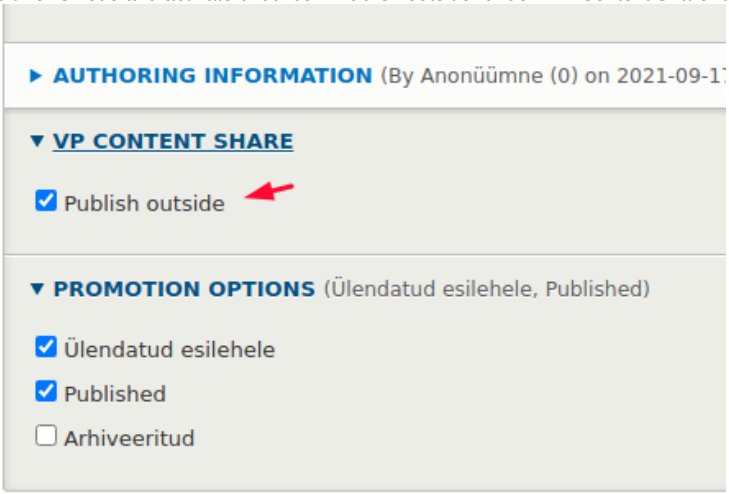


- Add allowed user(s) (Syncer) into Authorized users for each channel at the same page



Prepare content

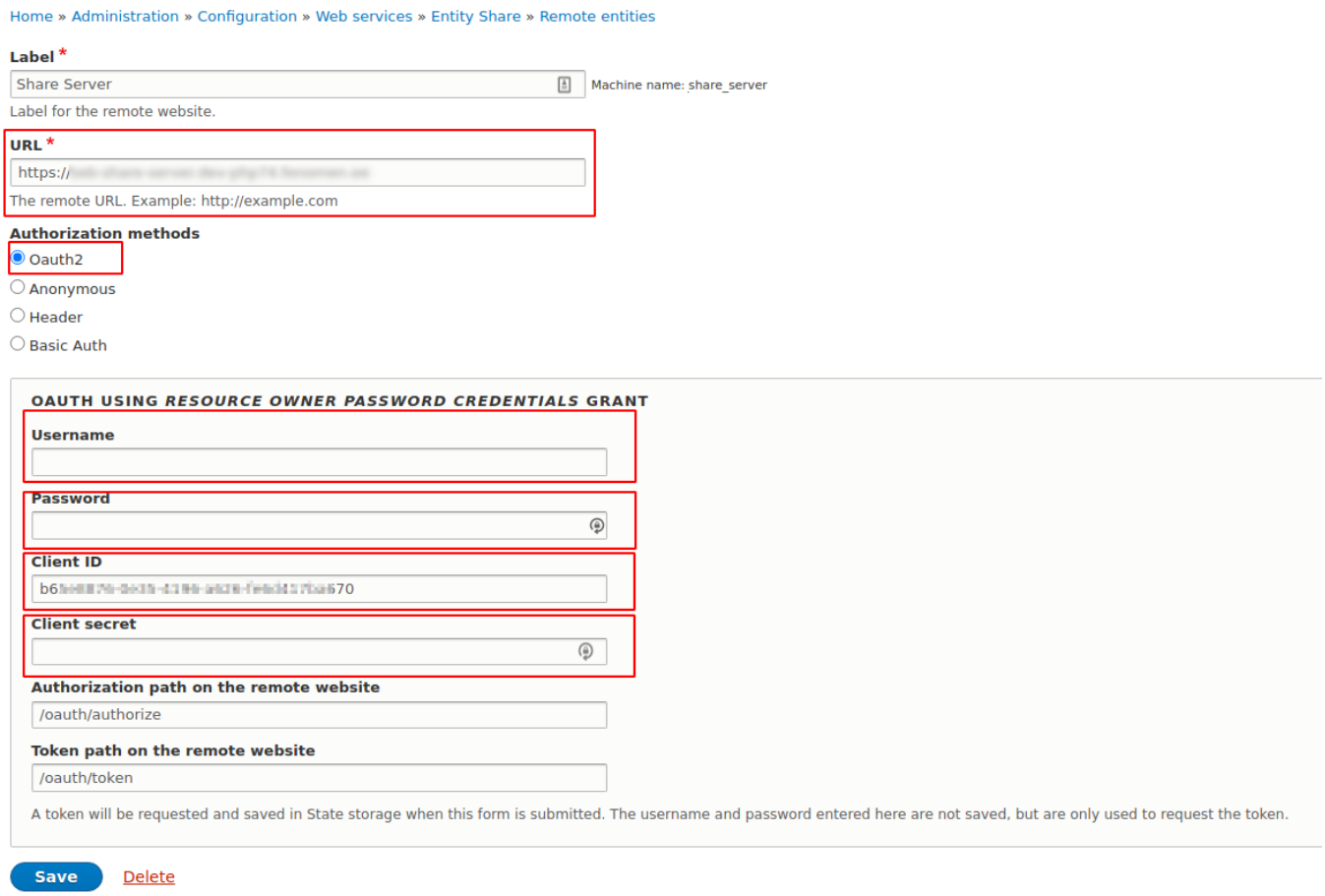
- Mark required nodes to share.
  Edit news node and activate checkbox "Publish outside" under "VP Content Share" tab



Client-side (where content is being pulled to) setup

To connect, new remote website is needed, which can be created here: /admin/config/services/entity_share/remote.

The marked fields on the screenshot are needed:



URL - the address to the server.

Authorization methods - select OAuth

The new fieldset is loaded and there the following are needed to fill:

- Username and password - the server-side user authentication
- Client ID - the server-side consumer UUID
- Client secret - the secret used in the server-side consumer

If everything is correct, the saving will tell if the connection was successful. If not, the logs either on the client-side or server-side will tell the problem.

One final configuration is related to import configuration, which is here: /admin/config/services/entity_share/import_config/import_config_with_images/edit. It by default uses default configuration, but it is possible to set imported content author and the language (if the language doesn't exist on the client-side).

Pulling content

When authentication is set up, it is possible to pull content on the client-side at /admin/content/entity_share/pull

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Choose configuration "VP content share client"
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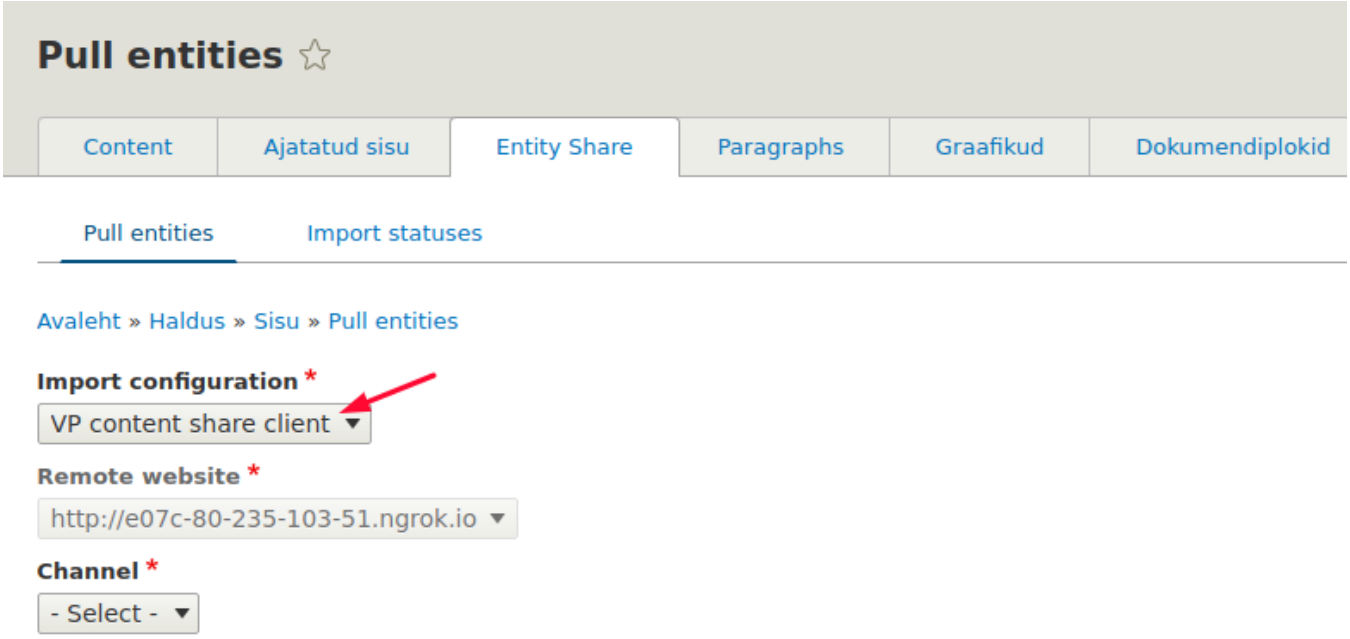

When only one remote is set up, then remote website selection is disabled, otherwise, it is possible to select between multiple ones. Channel selection will list all channels on the selected remote server.

To pull content, select content items and click the button "Synchronize entities".

Some notes about the pull:

- When pulling a translation, it will be set as source translation, if the source translation doesn't exist yet.
- Synchronization of existing content can overwrite local changes, if that is not needed, don't check already pulled content (the one with local copy).

Set up Cron at the client-side

`Go to the /admin/config/services/entity_share/cron`

`Enable remote sites, channels and config "Vp content share client"`

Content structure / Content moderation

Be sure your content types have the same fields.
If you use Workflow/Content moderation - content type on both sides client and server should support the same content moderation states.|

You can check it here
/admin/config/workflow/workflows/manage/content_moderation