

Improving webform features to create great Drupal experiences

Speaker Information



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BIOGRAPHY

Drupal architect and developer
Acquia Certified Drupal 9 Developer
Acquia Certified Drupal 8 Site Builder

Agenda

Webform

Webform Add-ons:

- Webform Content Creator
- Webform Remote Handlers
- Webform Remote Select

“Code is not an asset, it’s a liability”

Someone far more intelligent than me

Webform


Webform

[View](#) [Version control](#) [Automated testing](#)

The Webform module allows you to build any type of form to collect any type of data, which can be submitted to any application or system. Every single behavior and aspect of your forms and their inputs are customizable. Whether you need a multi-page form containing a multi-column input layout with conditional logic or a simple contact form that pushes data to a Salesforce/CRM, it is all possible using the Webform module for Drupal 9+.

[▶ Watch an introduction to Webform](#)

[Try Webform](#)



Maintainers

- Liam Morland
- jrockowitz
- DanChadwick
- quicksketch
- toroti

Issues for Webform

To avoid duplicates, please search before submitting a new issue.

Advanced search

All issues
462 open, 6 RTBC, 15,085 total

Bug report
312 open, 3 RTBC, 5,790 total

Statistics

- New issues: 9
- Response rate: 100 %
- 1st response: 28 hours
- Open bugs: 306
- Participants: 23

2 year graph, updates weekly

Resources

[Home page](#)

Features


The Webform module provides all the features expected from an enterprise proprietary form builder combined with the flexibility and openness of Drupal.

Forms

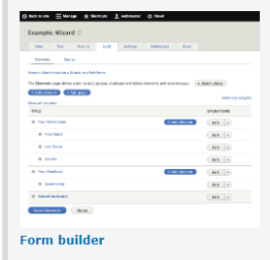
- Drafts
- Preview
- Scheduling
- Sharing
- Confirmations
- Modal dialogs

Submissions

- Email notifications
- Remote post
- Customizable results view
- Submission flagging
- Submission export/import
- Submission upload



Wizard example



Form builder



+ 380 000 sites report using this module



Stable release covered by the Drupal Security Advisory Policy

<https://www.drupal.org/project/webform>

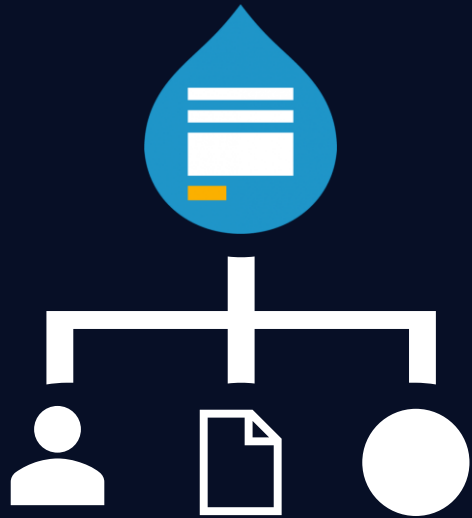
Webform

How to improve webform capabilities?

Webform Add-ons

The Challenge

Convert webform submissions to content



Webform Content Creator

Send webform submission data to 3rd party systems



Webform Remote Handlers

Populate select options with values from REST API



Webform Remote Select

Webform Content Creator

What problem does the module solve?



Create content from webform submissions



Allow submissions to be decoupled from content entities



Sync submissions and content

Webform Content Creator

Architecture



Field Mapping using Plugin System

Webform Content Creator

How to use

1. Enable module in Extend;
2. Go to `/admin/config/webform_content_creator`;
3. Add new configuration entity;
4. Map fields between the webform and the content entity.

Webform Content Creator

How to use

The screenshot shows the Drupal administration interface for the Webform Content Creator. At the top, there is a navigation bar with 'Back to site', 'Manage', 'Shortcuts', and 'admin'. Below this is a secondary navigation bar with tabs for 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', 'Reports', and 'Help'. The main content area has a breadcrumb trail: 'Home > Administration > Configuration'. The title 'Webform Content Creator' is displayed with a star icon. A blue button labeled '+ Add configuration' is positioned above a table. The table has five columns: 'Title', 'Webform', 'Entity type', 'Bundle', and 'Operations'. One row is visible with the following data: 'Article Mapping (article_mapping)', 'webform teste (webform_teste)', 'Content (node)', 'Article (article)', and 'Manage fields' with a dropdown arrow.

Title	Webform	Entity type	Bundle	Operations
Article Mapping (article_mapping)	webform teste (webform_teste)	Content (node)	Article (article)	Manage fields ▼

Webform Content Creator

How to use

The screenshot shows the Drupal administration interface for editing a Webform Content Creator entity. The top navigation bar includes "Back to site", "Manage", "Shortcuts", and the user "admin". Below this is a secondary navigation bar with tabs for "Content", "Structure", "Appearance", "Extend", "Configuration", "People", "Reports", and "Help". The main heading is "Edit Webform Content Creator entity".

The form contains the following fields:

- Title** (required): A text input field containing "Article Mapping". To its right, the text "Machine name: article_mapping" is displayed.
- Webform** (required): A dropdown menu with "webform teste" selected.
- Entity Type** (required): A dropdown menu with "Content" selected.
- Bundle** (required): A dropdown menu with "Article" selected.

Below the dropdowns are two checkboxes:

- Synchronize Webform submission with the created content in edition
- Synchronize Webform submission with the created content in deletion

At the bottom of the form are two buttons: a blue "Save" button and a red "Delete" button with a trash icon.

Webform Content Creator

How to use

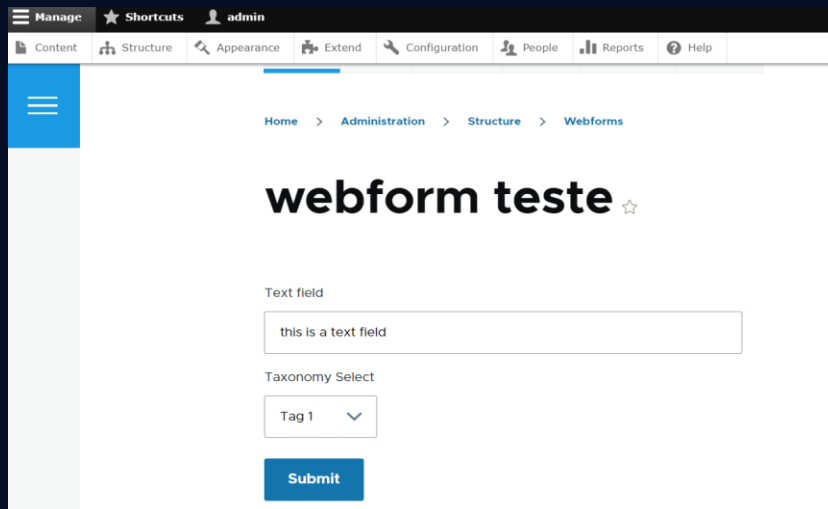
You can create nodes based on webform submission values. In this page, you can do mappings between content type fields and webform submission values. You may also use tokens in custom text.

Bundle field	Field type	Field mapping	Custom	Webform field	Custom text
<input checked="" type="checkbox"/> Body (body)	Text (formatted, long, with summary)	Text	<input type="checkbox"/>	Text field (text_field) - Text field	
<input type="checkbox"/> Changed (changed)	Last changed				
<input type="checkbox"/> Comments (comment)	Comments				
<input type="checkbox"/> Authored on (created)	Created				
<input type="checkbox"/> Default translation (default_langcode)	Boolean				
<input type="checkbox"/> Image (field_image)	Image				
<input checked="" type="checkbox"/> Tags (field_tags)	Entity reference	Default	<input type="checkbox"/>	Taxonomy Select (taxonomy_select) - Entity select	

Webform Content Creator

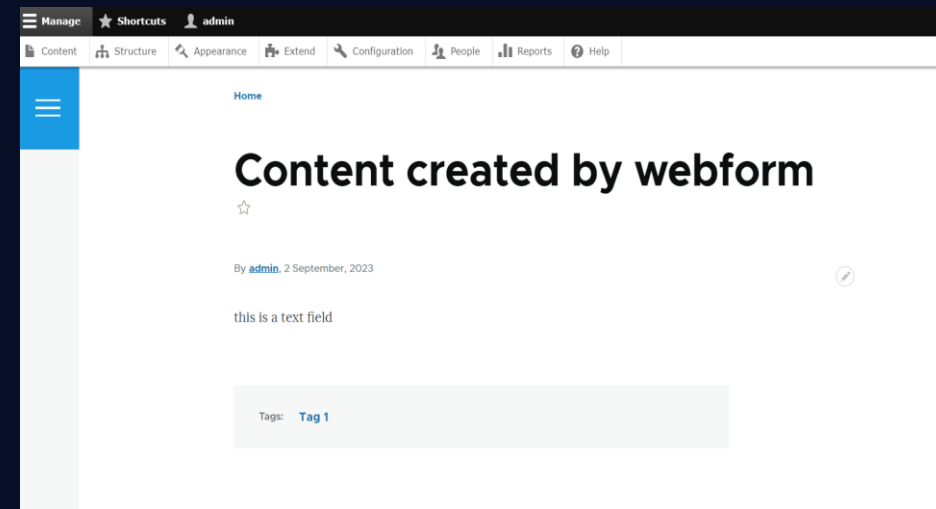
How to use

Webform



The screenshot shows the Drupal webform creation interface. At the top, there is a navigation bar with 'Manage', 'Shortcuts', and 'admin'. Below it is a secondary navigation bar with 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', 'Reports', and 'Help'. The main content area has a breadcrumb trail: 'Home > Administration > Structure > Webforms'. The title of the webform is 'webform teste' with a star icon. Below the title, there is a 'Text field' section with a text input containing 'this is a text field'. Underneath is a 'Taxonomy Select' section with a dropdown menu showing 'Tag 1'. At the bottom, there is a blue 'Submit' button.

Node



The screenshot shows the Drupal Node view for content created by a webform. The navigation bar and secondary navigation bar are identical to the webform creation interface. The main content area has a breadcrumb trail: 'Home'. The title of the node is 'Content created by webform' with a star icon. Below the title, there is a byline: 'By admin, 2 September, 2023'. The main content of the node is 'this is a text field'. At the bottom, there is a 'Tag: Tag 1' section.

Webform Content Creator

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Webform Content Creator

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This module provides the ability to **create content entities after submitting webforms**, and to have mappings between the fields of the created content entity and webform submission values.

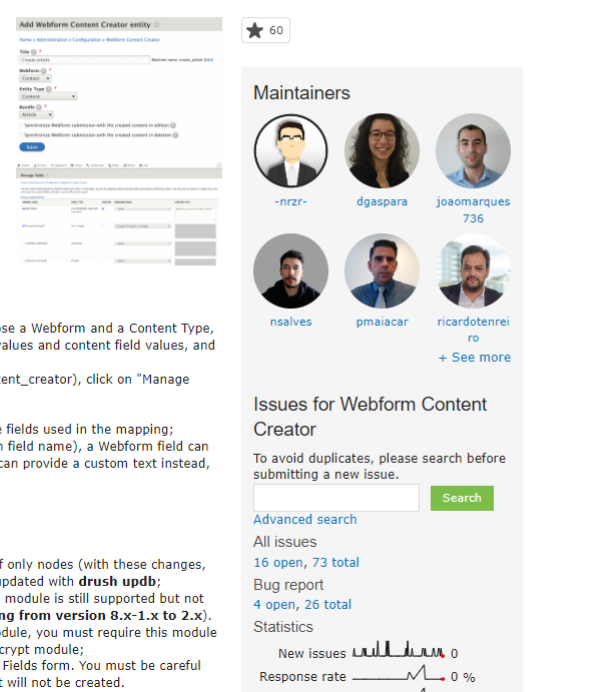
It is possible to trigger the creation of a content entity (configurable entity type id, bundle and bundle field values) after submitting a Webform (configurable webform entity id). Moreover, you can map the content field values according to webform submission values (tokens can be used) and/or custom values.

In order to use this module, you should follow these steps:

1. Enable Webform Content Creator module;
2. Go to Webform Content Creator configuration page; (/admin/config/webform_content_creator)
3. Click on "Add configuration";
4. Give a title to Webform Content Creator entity and choose a Webform and a Content Type, in order to have mappings between Webform submission values and content field values, and then click on "Save";
5. In the configuration page (/admin/config/webform_content_creator), click on "Manage fields" on the entity you have just created; may be used);
6. After that, you have the possibility to choose the bundle fields used in the mapping;
7. When choosing a field (checkbox on the left side of each field name), a Webform field can be chosen to match with this bundle field (optionally, you can provide a custom text instead, using available tokens).

Release 2.x notes
The introduced features are:

- Add possibility to create any content entities instead of only nodes (with these changes, old Webform Content Creator configurations must be updated with **drush updb**;
- Remove dependency on Webform Encrypt module (the module is still supported but not required, **so you must be careful if you are updating from version 8.x-1.x to 2.x**). If you want to continue using the webform Encrypt module, you must require this module separately. Otherwise, you must uninstall Webform Encrypt module;
- Remove limitations on the fields appearing on Manage Fields form. You must be careful and map at least the required fields, otherwise content will not be created.



The screenshot shows the configuration page for the Webform Content Creator module. It includes a form to add a new configuration with fields for Name, Content type, Webform, Entity type, and Bundle. Below the form is a 'Maintainers' section with profile pictures and names: -nrzr, dgaspara, joamarques (736), nsaives, pmaiacar, and ricardotenreiro. There is also a 'See more' link. The 'Issues for Webform Content Creator' section shows a search bar, a 'Search' button, and statistics: 'All issues: 16 open, 73 total' and 'Bug report: 4 open, 26 total'. A small bar chart shows 'New issues' and 'Response rate'.



+ 2 300 sites reporting using this module



Stable release covered by the Drupal Security Advisory Policy



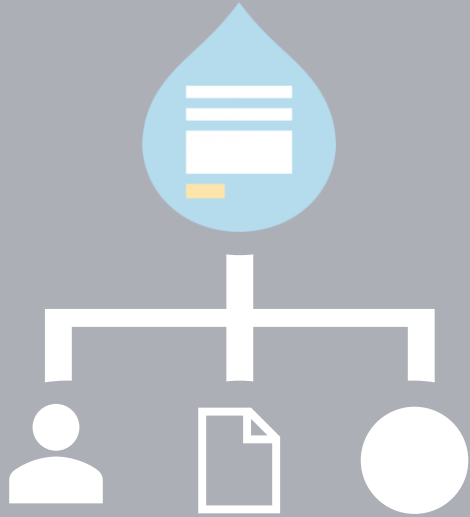
Recommended Webform add-on

https://www.drupal.org/project/webform_content_creator

Webform Add-ons

The Challenge

Convert webform submissions to content



Webform Content Creator

Send webform submission data to 3rd party systems



Webform Remote Handlers

Populate select options with values from REST API



Webform Remote Select

Webform Remote Handlers

What problem does the module solve?



Send data from webform to third-party systems

Webform Remote Handlers

Architecture



Rest Remote Handler

- Endpoint
- Header
- Payload



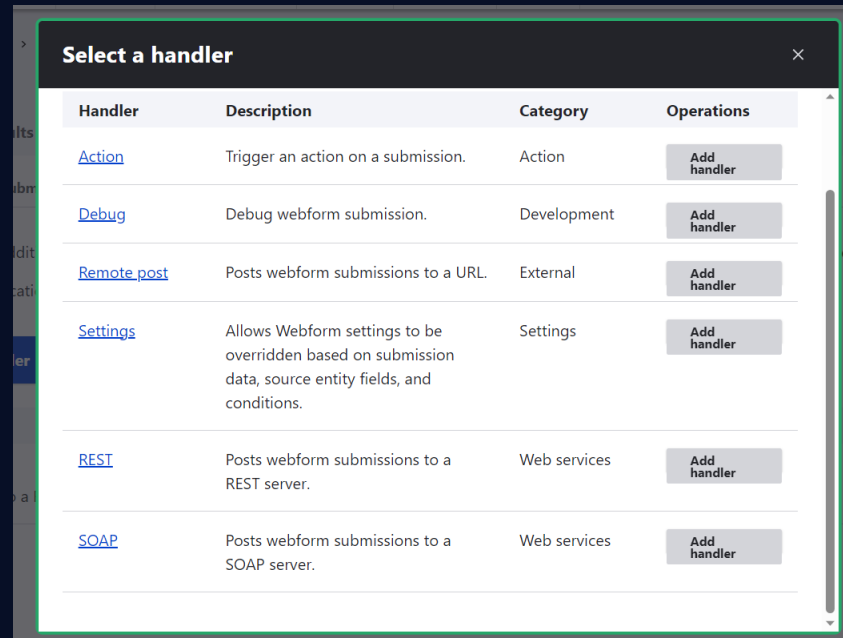
SOAP Remote Handler

- Endpoint
- Header
- Payload

Webform Remote Handlers

How to use

1. Enable module in Extend;
2. Go to Webform -> Settings -> Handlers-> Add Handler (REST/SOAP)



Webform Remote Handlers

How to use

The screenshot shows the 'Edit REST handler' configuration page. The main interface is for a 'Login' webform, with the 'Settings' tab selected. The 'Emails / Handlers' sub-tab is active, displaying a table of handlers. A single handler is listed with the endpoint '[site:url]user/login?_format=json'. The right-hand sidebar is open, showing the configuration for this handler, including the endpoint URL, authentication type (set to BASIC), and a JSON message body.

Home > Administration > Structure > Webforms

Login ☆

View Test Results Build Settings Export

General Form Submissions Confirmation **Emails / Handlers** CSS / JS Access

The **Emails/Handlers** page allows additional actions and behaviors to be processed when a webform or submission is created, updated, or deleted. **Handlers** are used to route submitted data to external applications and send notifications & confirmations. [-- Watch video](#)

[+ Add email](#) [+ Add handler](#) Show row weights

Title / Description	ID	Summary	Status	Operations
REST Posts webform submissions to a REST server.	rest	Endpoint : [site:url]user/login?_format=json	Enabled	Edit ▼

[Save handlers](#) [Reset](#)

Edit REST handler

[site:url]user/login?_format=json

Endpoint URL Token ?

User ?

Pass ?

Type of authentication ?

BASIC
 OAUTH

Message ?

```
{ "name": "[webform_submission:values:username]", "pass": "[webform_submission:values:password]" }
```

Webform Remote Handlers

How to use

The **Elements** page allows users to add, update, duplicate and delete elements and wizard pages. [Watch video](#)

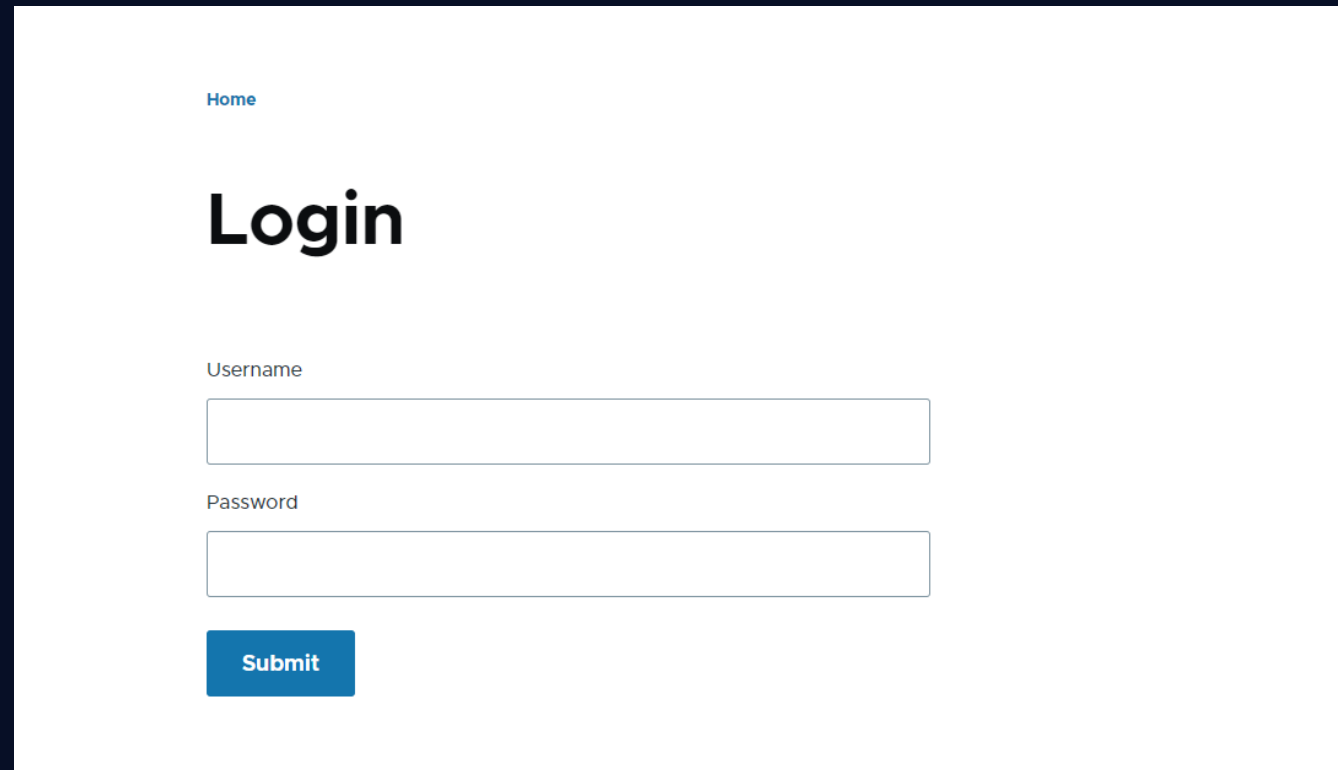
[+ Add element](#) [+ Add page](#) [+ Add layout](#) Show row weights

Title	Key	Type	Required	Operations
Username	username	Text field	<input type="checkbox"/>	Edit ▼
Password	password	Text field	<input type="checkbox"/>	Edit ▼
user_ID	user_id	Hidden		Edit ▼
Submit button(s)	actions	Submit button(s)		Customize

[Save elements](#) [Reset](#)

Webform Remote Handlers

How to use



Home

Login

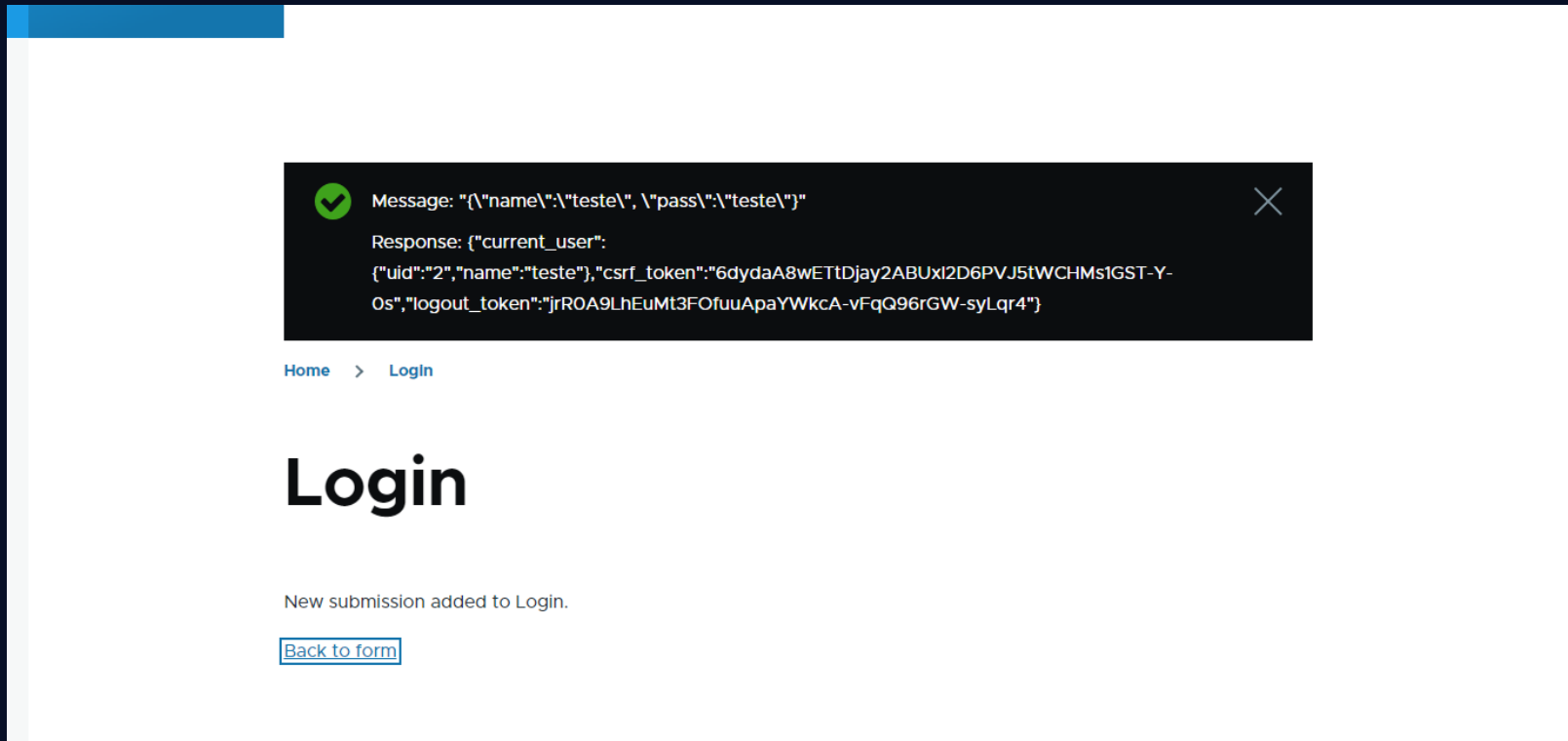
Username

Password

Submit

Webform Remote Handlers

How to use



The screenshot displays a web application interface. At the top, a dark blue header bar is visible. Below it, a white content area contains a dark grey message box with a green checkmark icon on the left and a close button (X) on the right. The message text is as follows:

```
Message: {"name":"teste", "pass":"teste"}  
Response: {"current_user":  
{"uid":"2", "name":"teste"}, "csrf_token":"6dydaA8wETtDjay2ABUxi2D6PVJ5tWCHMs1GST-Y-  
0s", "logout_token":"jrROA9LhEuMt3FOfuuApaYWkcA-vFqQ96rGW-syLqr4"}
```

Below the message box, there is a breadcrumb trail: [Home](#) > [Login](#). The main heading is

Login

. Underneath, a status message reads: "New submission added to Login." Below this, there is a blue button labeled [Back to form](#).

Webform Remote Handlers

How to use

The **Submissions** page displays a customizable overview of a webform's submissions. Submissions can be reviewed, updated, flagged and/or annotated. [- Watch video](#)

Filter submissions

Filter by submitted data and/or note All [1] [Filter](#)

1 submission [Customize](#)

- Select operation - [Apply to selected items](#)

<input type="checkbox"/>	#	★	🔒	📄	<u>Created</u>	Submitted to	User	IP address	Username	Password	user ID	Operations
<input type="checkbox"/>	6	☆	🔒	📄	Sat, 09/02/2023 - 12:24		Anonymous	172.20.0.2	teste	teste	2	Edit ▼

[Apply to selected items](#)

Webform Remote Handlers

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Webform Remote Handlers

[View](#) [Version control](#) [Automated testing](#)

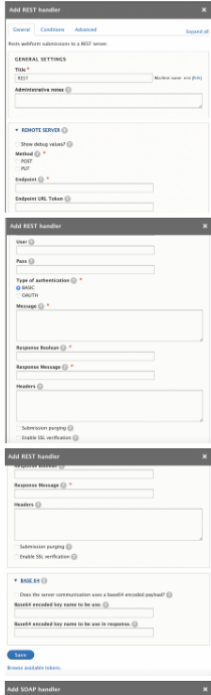
This module allows to send Webform submission results to third party through Web Services (REST/SOAP), implementing two Webform Handler plugins (REST and SOAP). These plugins allow to define endpoint configurations (including endpoint URL and HTTP method), JSON payload (with tokens), optional base64 configurations and type of authentication (basic or oauth).

Furthermore, an additional token is provided allowing to send file contents decoded in base64. Using this module, the webform submission results can be sent to another server in a configurable and transparent way.

In order to use this module, you should follow these steps:

1. Enable Webform Remote Handlers module;
2. Go to Webforms page (/admin/structure/webform);
3. On the right side of a Webform, click on "Definitions";
4. Click on "Emails/Handlers";
5. Click on "Add handler";
6. Depending on the type of Web Service that you pretend, click on "REST" or "SOAP";
7. Fill in the configuration fields (including Web Service configurations and message payload) and then press "Save";
8. From now on, the webform submission results (of this Webform) will be sent to another server through Web Services.

Supporting organizations:
[NTT DATA](#)



Maintainers

- nrzr-
- dgaspara
- joomarques
736
- nsalves
- pmaiacar
- ricardotenreiro

[+ See more](#)

Issues for Webform Remote Handlers

To avoid duplicates, please search before submitting a new issue.

[Search](#)

[Advanced search](#)

All issues
9 open, 1 [RTBC](#), 20 total

Bug report
3 open, 1 [RTBC](#), 5 total

Statistics

- New issues 0
- Response rate 100 %
- 1st response 8 hours



+ 350 sites report using this module



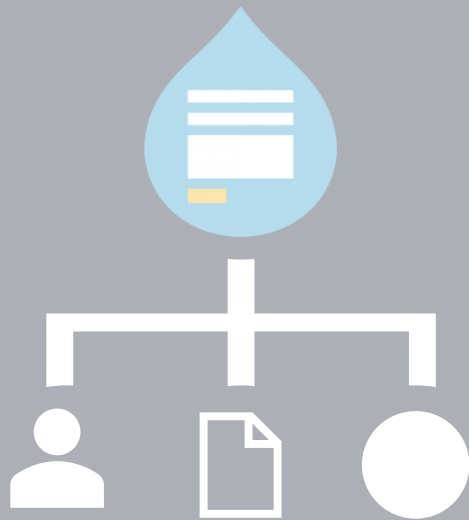
Stable release covered by the Drupal Security Advisory Policy

https://www.drupal.org/project/webform_remote_handlers

Webform Add-ons

The Challenge

Convert webform submissions to content



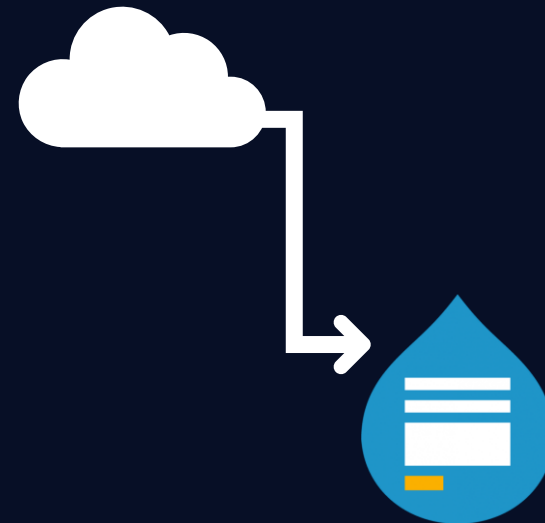
Webform Content Creator

Send webform submission data to 3rd party systems



Webform Remote Handlers

Populate select options with values from REST API



Webform Remote Select

Webform Remote Select

What problem does the module solve?



Real time select options in webforms from third party services

Webform Remote Select

Architecture



Webform Remote Select

How to use

The screenshot displays the Drupal Webform interface. The top navigation bar includes 'Back to site', 'Manage', 'Shortcuts', and 'admin'. Below this is a secondary navigation bar with 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', 'Reports', and 'Help'. The main interface is divided into tabs: 'View', 'Test', 'Results', 'Build' (selected), 'Settings', and 'Export'. Under the 'Build' tab, there are sub-tabs for 'Elements' and 'Source'. A dark notification box at the top left of the main content area shows a green checkmark and the text 'Status message: Webform Remote Options created.' Below this, a text block explains that the 'Elements' page allows users to add, update, duplicate, and delete elements and wizard pages, with a 'Watch video' link. Three blue buttons are visible: '+ Add element', '+ Add page', and '+ Add layout'. A table lists the elements, with columns for 'Title', 'Key', 'Type', 'Required', and 'Operations'. The table contains two rows: one for 'Remote options' (key: remote_options, type: Remote select element, required: false, operations: Edit) and one for 'Submit button(s)' (key: actions, type: Submit button(s), operations: Customize). At the bottom left, there are 'Save elements' and 'Reset' buttons. On the right side, a modal dialog titled 'Edit Remote options element' is open. It contains several input fields: 'Endpoint' (with a question mark icon) containing '[site:url]articles-list?_format=json', 'Headers' (with a question mark icon), 'Response data key' (with a question mark icon), 'Response items key' (with a question mark icon) containing 'nid', and 'Response items value' (with a question mark icon) containing 'title'. At the bottom of the dialog, there is a checkbox for 'Allow duplicated values' (with a question mark icon).

Title	Key	Type	Required	Operations
Remote options	remote_options	Remote select element	<input type="checkbox"/>	Edit ▼
Submit button(s)	actions	Submit button(s)		Customize

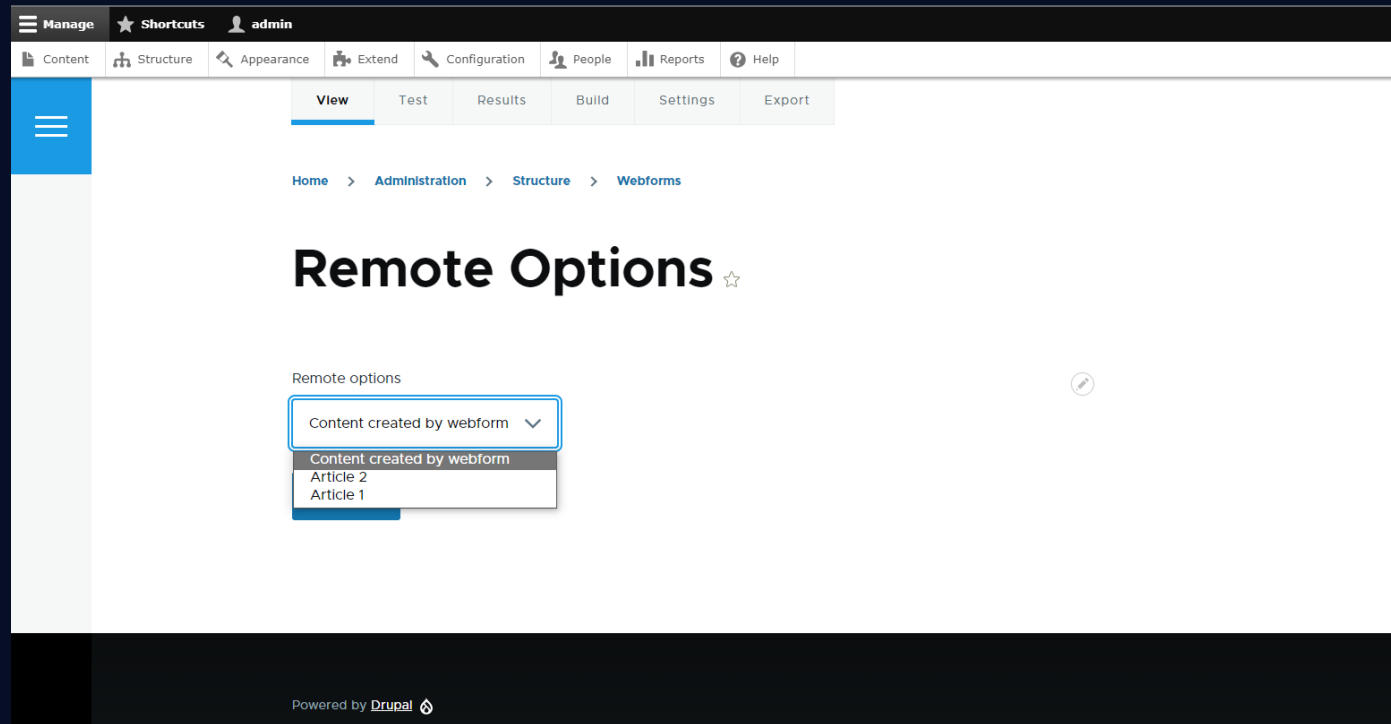
Webform Remote Select

How to use

```
1  [  
2    {  
3      "title": "Content created by webform",  
4      "nid": "5"  
5    },  
6    {  
7      "title": "Article 2",  
8      "nid": "2"  
9    },  
10   {  
11     "title": "Article 1",  
12     "nid": "1"  
13   }  
14 ]
```

Webform Remote Select

How to use



Webform Remote Select

Webform Remote Select

[View](#) [Version control](#) [Automated testing](#)

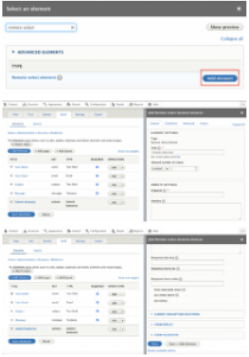
This module provides a Webform Select Element whose options are populated from an endpoint through REST services.

In order to use this module, you should follow these steps:

1. Enable Webform Remote Select module;
2. Create a new Webform (or edit an existing one);
3. Add new Remote Select element:


- **Endpoint:** Endpoint to get data to populate remote select element;
- **Headers:** Optional field to use additional headers in request;
- **Response data key:** Use specific key in response to get items;
- **Response items key:** Response parameter used as key when populating select options;
- **Response items value:** Response parameter used as label when populating select options;
- **Allow duplicated values:** Option to allow users to insert duplicated values in multiple elements;
- **Use empty option:** Configuration to show/hide empty option;
- **Empty option label:** Allows to override default empty option labels ('-Select-' or '-None-');
- **Use select2:** Allows to use select2 in this Remote Select Element;

Supporting organizations:
[NTT DATA](#)




★ 10


Maintainers




dgaspara




joao.figueira




joamarques
736



nsalves



pmaiacar



ricardotenreiro
+ See more

Issues for Webform Remote Select

To avoid duplicates, please search before submitting a new issue.



+ 80 sites report using this module



Stable release covered by the Drupal Security Advisory Policy

https://www.drupal.org/project/webform_remote_select

A close-up photograph of a person's face, primarily the eyes and nose, set against a dark background. The face is illuminated with dramatic lighting: the left side (viewer's right) is bathed in a vibrant blue light, while the right side (viewer's left) is lit with a warm red light. A white grid is overlaid on the right side of the image, with a white arc connecting the top corners of the grid cells. The overall mood is futuristic and high-tech.

NTT DATA

Thanks

And please write less code ☺