



contentrules.slack documentation

Release 2.0.0

Pendect GmbH

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`contentrules.slack` is a package providing a [Plone](#) content rules action to post a message on a Slack channel.

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1.1 About

contentrules.slack is a package providing a [Plone](#) content rules action to post a message on Slack.

1.1.1 Code Health

1.1.2 Installation

Add **contentrules.slack** to the Plone installation using pip:

```
pip install contentrules.slack
```

or add it as a dependency on your package's `setup.py`

```
install_requires = [  
    "contentrules.slack",  
    "Plone",  
    "plone.restapi",  
    "setuptools",  
],
```

Start Plone and activate the plugin in the addons control-panel.

1.1.3 Translations

This product has been translated into:

- English (Érico Andrei)
- Português do Brasil (Rudá Porto)
- Deutsch (Yael Biran)
- Español (Álvaro Hurtado Mochón)

1.1.4 License

The project is licensed under the GPLv2.

1.1.5 One Last Thing

Originally Made in Berlin, with love, by your friends @ Briefy and Pendect.

Now maintained by the [Plone Collective](#)

1.2 Usage

Content rules action to post a message on Slack.

1.2.1 Using Volto

Go to the Site Setup, then click on Content Rules.

The screenshot shows the Plone Content Rules configuration page. At the top, there's a navigation bar with the Plone logo, 'HOME', and a search bar. Below the navigation bar, there's a sidebar with a red vertical line. The main content area is titled 'Content Rules' and contains a form for defining rules. The form has a section for 'Filter Rules' with checkboxes for various events like 'Comment added', 'Comment removed', etc. Below this is a table with columns for 'CONTENT RULE', 'EVENT', 'STATUS', and 'ACTIONS'. At the bottom of the table is a button labeled 'Add content rule'. The footer of the page contains copyright information and links for 'Site Map', 'Contact', and 'Powered by Plone & Python'.

Content Rules

Use the form below to define, change or remove content rules. Rules will automatically perform actions on content when certain triggers take place. After defining rules, you may want to go to a folder to assign them, using the 'rules' item in the actions menu.

Filter Rules:

☐ Comment added ☐ Comment removed ☐ Comment reply added ☐ Comment reply removed ☐ Notify user on comment delete

☐ Notify user on comment publication ☐ Object added to this container ☐ Object copied ☐ Object modified

☐ Object removed from this container ☐ User Created ☐ User Logged in ☐ User Logged out ☐ User Removed ☐ Workflow state changed

CONTENT RULE	EVENT	STATUS	ACTIONS
Add content rule			

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[Site Map](#) [Contact](#) [Powered by Plone & Python](#)

Click on **Add content rule** and a form to create a new content rule will be displayed.

We are going to create a content rule to report every time an user logs in to a Plone portal.

Add Rule

Use the form below to define the new content rule

Title • User Logged in

Please set a descriptive title for the rule.

Description Report a user login on Slack

Enter a short description of the rule and its purpose.

Triggering event • User Logged in

The rule will execute when the following event occurs.

☒ **Enabled**
Whether or not the rule is currently enabled

☐ **Stop Executing rules**
Whether or not execution of further rules should stop after this rule is executed

☐ **Cascading rule**
Whether or not other rules should be triggered by the actions launched by this rule. Activate this only if you are sure this won't create infinite loops

Save **Cancel**

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[Site Map](#) [Contact](#) [Powered by Plone & Python](#)

After saving the form, it will be possible to configure the conditions and actions of this content rule.

For this example we will only add an action to **Post a message to Slack**, select this option and click **Add**

Content Rules

Use the form below to define, change or remove content rules. Rules will automatically perform actions on content when certain triggers take place. After defining rules, you may want to go to a folder to assign them, using the 'rules' item in the actions menu.

Filter Rules:

☐ Comment added ☐ Comment removed ☐ Comment reply added ☐ Comment reply removed ☐ Notify user on comment delete

☐ Notify user on comment publication ☐ Object added to this container ☐ Object copied ☐ Object modified

☐ Object removed from this container ☐ User Created ☐ User Logged in ☐ User Logged out ☐ User Removed ☐ Workflow state changed

CONTENT RULE	EVENT	STATUS	ACTIONS
User Logged in	User Logged in	<input checked="" type="checkbox"/> enabled not assigned	Configure Edit Delete
Report a user login on Slack			

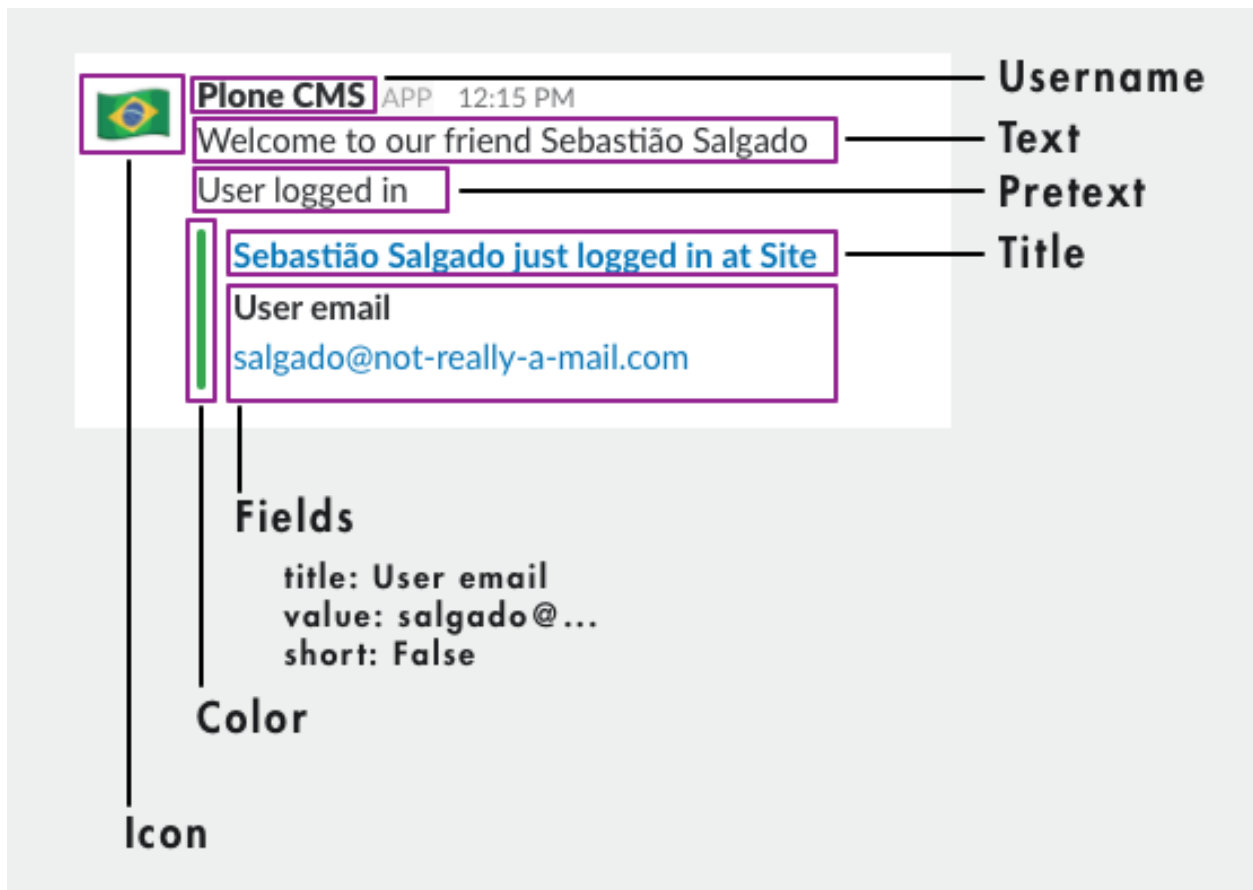
Add content rule

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[Site Map](#) [Contact](#) [Powered by Plone & Python](#)

This will bring a form to configure the content rule action.

Here is a breakdown of how fields setting in this form will affect the message on Slack.



It is possible to use variables on some fields, as displayed here.

Plone®

HOME

Search Site

Content

Rules

If all

Content

Settings

Assess

This

Add Post a message to Slack Action

Webhook url

URL configuration for this integration, i.e. "https://hooks.slack.com/services/T00000000/B00000000/XXXXXXXXXXXXXXXXXXXX"

Channel

Channel to receive the message, eg. "#plone-rules"

Pretext

This is optional text that appears above the message attachment block.

Title

The title is displayed as larger, bold text near the top of a message attachment.

Title Link

Link to be added to the title, i.e. "\${absolute_url}"

Text

This is the main text in a message attachment.

Cancel

Next

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Site Map

Contact

Powered by Plone & Python

Saving the action form, will bring us back to the content rule configuration.

Plone

HOME

Search Site

Content

Rules

If all

Content

Settings

Actions

Assess

This

Add Post a message to Slack Action

Title

\$(user_fullname) just logged in at Site

The title is displayed as larger, bold text near the top of a message attachment.

Title Link

\$(absolute_uri)

Link to be added to the title. i.e.: '\$(absolute_uri)'

Text

Welcome to our friend \$(user_fullname)

This is the main text in a message attachment.

Color

good

Color of the message. Valid values are "good", "warning", "danger" or any hex color code (eg. #439FE0)

Icon

:flag-br:

Icon to be displayed on the message. eg.: :flag-br:

Username

Plone CMS

Name to be displayed as the author of this message.

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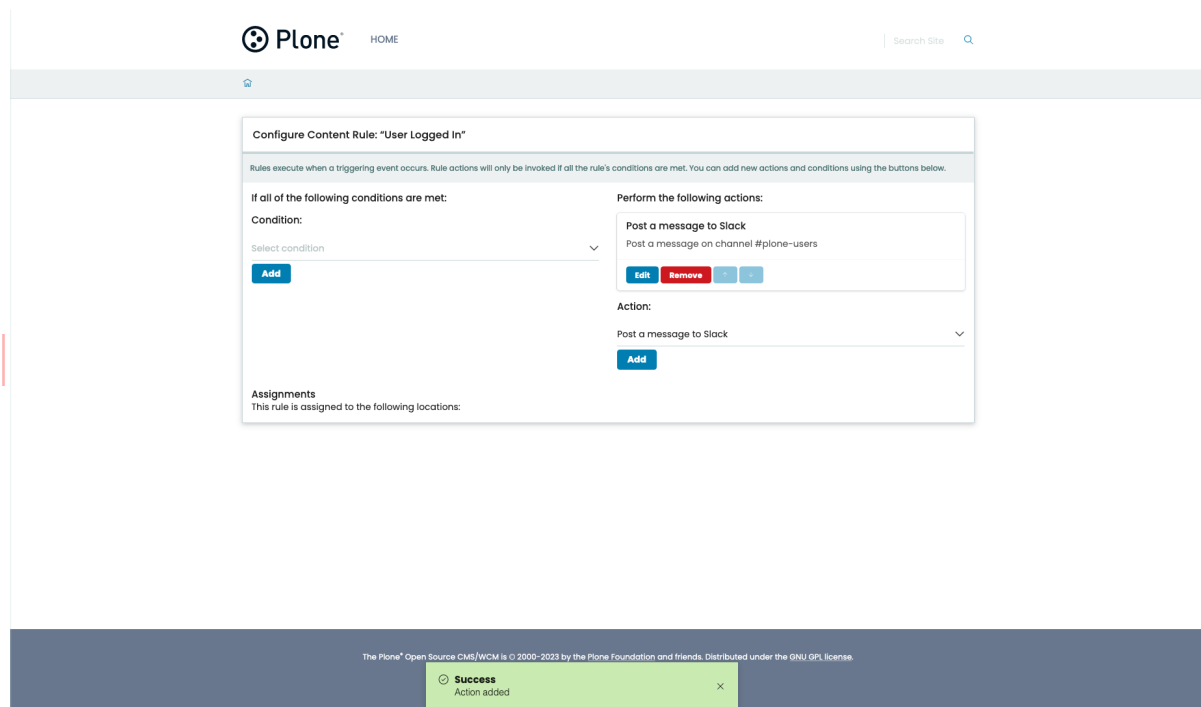
Site Map

Contact

Powered by Plone & Python

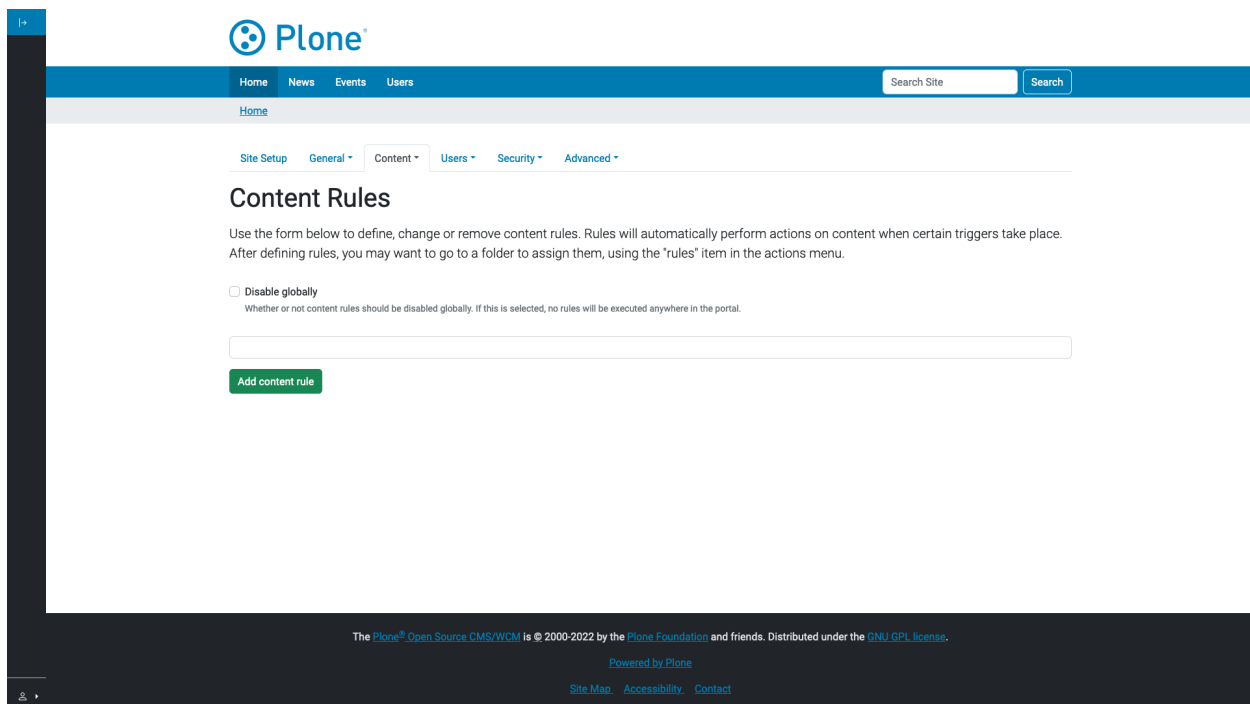
Now, apply this rule to the whole site.

The next user login will send a message on the Slack channel.



1.2.2 Using Classic UI

Go to the Site Setup, then click on Content Rules.



Click on **Add content rule** and a form to create a new content rule will be displayed.

We are going to create a content rule to report every time an user logs in to a Plone portal.

Plone

Home News Events Users

Search Site

Home / +rule

Site Setup General Content Users Security Advanced

Site Setup

Add Rule

Title *

User Logged In

Please set a descriptive title for the rule.

Description

Report a user login on Slack

Enter a short description of the rule and its purpose.

Triggering event *

User Logged in

The rule will execute when the following event occurs.

☒ Enabled
Whether or not the rule is currently enabled

☐ Stop executing rules
Whether or not execution of further rules should stop after this rule is executed

☐ Cascading rule
Whether or not other rules should be triggered by the actions launched by this rule. Activate this only if you are sure this won't create infinite loops.

Save Cancel

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After saving the form, it will be possible to configure the conditions and actions of this content rule.

For this example we will only add an action to **Post a message to Slack**, select this option and click **Add**

Home / Content Rules / User Logged In

Info: New content rule created. Please add conditions and actions at the bottom of the page.

Site Setup General Content Users Security Advanced

Edit content rule: User Logged In

Rules execute when a triggering event occurs. Rule actions will only be invoked if all the rule's conditions are met. You can add new actions and conditions using the buttons below.

[Up to rule overview](#)

If all of the following conditions are met:

Info There is not any additional condition checked on this rule.

Condition: User's group Add

Perform the following actions:

Warning There is not any action performed by this rule. Click on Add button to setup an action.

Action: Post a message to Slack Add

Assignments

This rule is not assigned to any location
The rule is enabled but will perform nothing since it is not assigned anywhere.

Go to the folder where you want the rule to apply, or at the site root, click on 'rule' tab, and then locally setup the rules.

Apply rule on the whole site

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This will bring a form to configure the content rule action.

Site Setup General Content Users Security Advanced

Site Setup

Add Slack Action

Contents in the channel, pretext, title, text and fields may be replaced with "\$()" variables from the table on the bottom of this form.

Webhook url *

Please fill out this field.
URL configuration for this integration. I.e.: "https://hooks.slack.com/services/T00000000/B00000000/YYYYYYYYYYYYYYYYYYYY"

Channel *

Please fill out this field.
Channel to receive the message. eg. "#plone-rules"

Pretext

This is optional text that appears above the message attachment block.

Title *

Please fill out this field.
The title is displayed as larger, bold text near the top of a message attachment.

Title Link

\${absolute_url}

Link to be added to the title. I.e.: "\${absolute_url}"

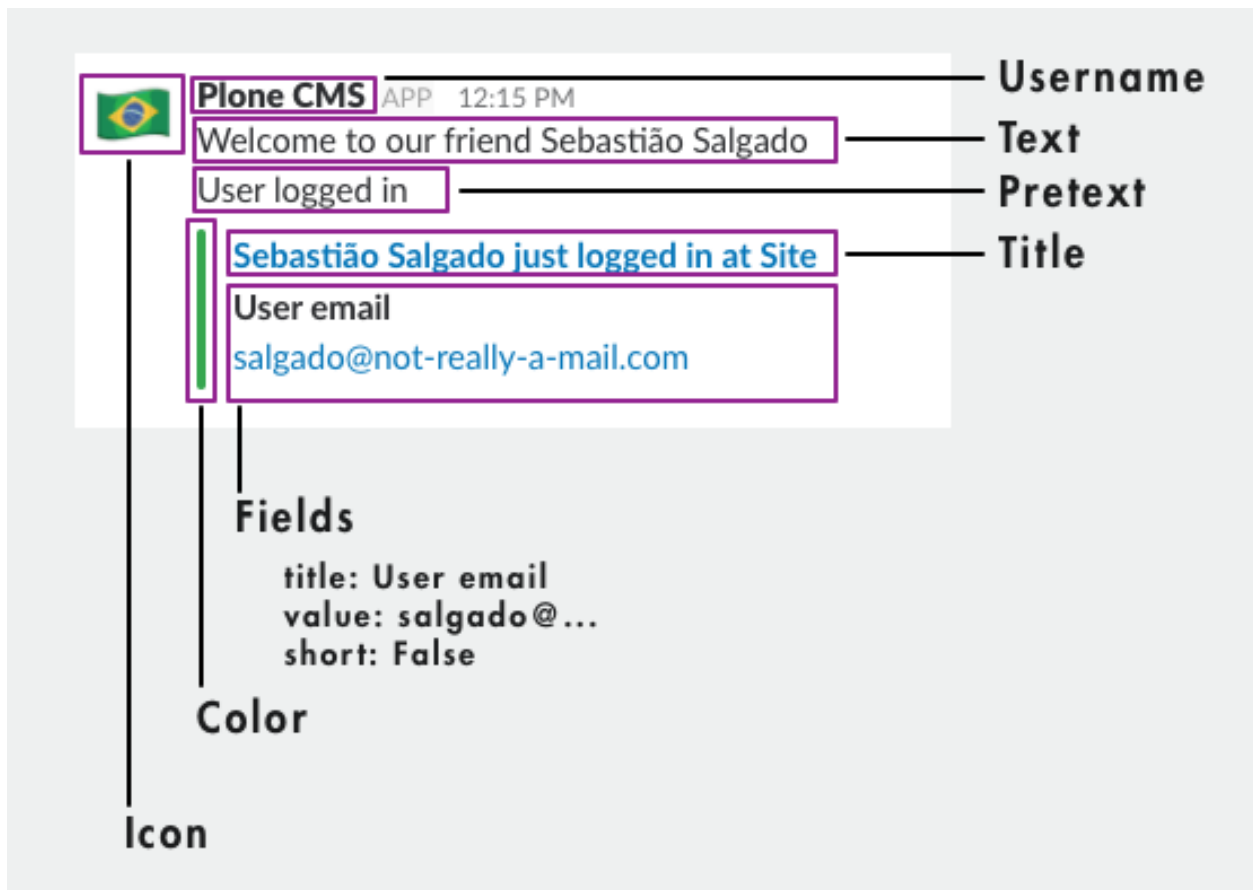
Text *

Please fill out this field.
This is the main text in a message attachment.

Color

Color of the message. Valid values are "good", "warning", "danger" or any hex color code (eg. #439FED)

Here is a breakdown of how fields setting in this form will affect the message on Slack.



It is possible to use variables on some fields, as displayed here.

<https://hooks.slack.com/services/T00000000/B00000000/YYYYYYYYYYYYYYYYYYYY>

URL configuration for this integration. I.e.: "https://hooks.slack.com/services/T00000000/B00000000/YYYYYYYYYYYYYYYYYYYY"

Channel *

#plone-users

Channel to receive the message. eg.: "#plone-rules"

Pretext

User logged in

This is optional text that appears above the message attachment block.

Title *

\$(user_fullname) just logged in at \${portal_title}

The title is displayed as larger, bold text near the top of a message attachment.

Title Link

\$(absolute_url)

Link to be added to the title. I.e.: "\${absolute_url}"

Text *

Welcome to our friend \$(user_fullname)

This is the main text in a message attachment.

Color

good

Color of the message. Valid values are "good", "warning", "danger" or any hex color code (eg. #439FED)

Icon

:flag-br:

Icon to be displayed on the message. eg.: "flag-br"

Username *

Plone CMS

Name to be displayed as the author of this message.

Fields

User email\$(user_email)False

Fields are added to the bottom of the Slack message like a small table. Please add one definition per line in the format "title|value|Short", I.e.: "Review State\$(review_state)|True"

Saving the action form, will bring us back to the content rule configuration.

Plone

Home News Events Users

Search Site Search

Home / Content Rules / User Logged In

Site Setup General Content Users Security Advanced

Edit content rule: User Logged In

Rules execute when a triggering event occurs. Rule actions will only be invoked if all the rule's conditions are met. You can add new actions and conditions using the buttons below.

[Up to rule overview](#)

If all of the following conditions are met:

Info There is not any additional condition checked on this rule.

Condition: User's group Add

Perform the following actions:

Post a message to Slack Edit Remove ↑ ↓

Post a message on channel #plone-users

Action: Logger Add

Assignments

This rule is not assigned to any location

The rule is enabled but will perform nothing since it is not assigned anywhere.

Go to the folder where you want the rule to apply, or at the site root, click on 'rule' tab, and then locally setup the rules.

Apply rule on the whole site

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Now, apply this rule to the whole site.

The next user login will sent a message on the Slack channel.



Plone CMS APP 12:15 PM

Welcome to our friend Sebastião Salgado

User logged in

Sebastião Salgado just logged in at Site

User email

salgado@not-really-a-mail.com

1.3 Contributing

If you want to help with the development (improvement, update, bug-fixing, ...) of `contentrules.slack` this is a great idea!

- [Issue Tracker](#)
- [Source Code](#)
- [Documentation](#)

We appreciate any contribution and if a release is needed to be done on PyPI, please just contact one of us.

1.3.1 Development

You need a working `python` environment (system, `virtualenv`, `pyenv`, etc) version 3.7 or superior.

Then install the dependencies and a development instance using:

```
make build
```

To run tests for this package:

```
make test
```

By default we use the latest Plone version in the 6.x series.

1.4 Changelog

1.4.1 2.0.0 (2023-02-07)

- Use `pytest` instead of `unittest` [ericof]
- Drop dependency on `ftw.slacker` [ericof]
- Drop support to Plone 5.2 [ericof]
- Support to Plone 6.0, Python 3.8 to 2.11 [ericof]
- Update documentation [ericof]

1.4.2 1.0.1 (2020-04-25)

- Fix "TypeError: expected string or bytes-like object" when one attribute of action is not set. [ericof]

1.4.3 1.0.0 (2019-11-28)

- Add Plone 5.2 / Python 3 support. [ericof]
- Drop Python 2.7 support. [ericof]

1.4.4 1.0.0a1 (2017-10-17)

- Initial release. [ericof]