
plonesocial.auth.rpx Documentation

Release 0.9

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plonesocial.auth.rpx is an addon product for Plone which allows users to authenticate via the [JanRain's RPX service](#). RPX is sort of a proxy to let a user authenticate with a lot of identity services such as OpenID, Twitter, Facebook and many others.

Different from the OpenID plugin for Plone the RPX plugin does not just create a virtual user but instead it will map the verified identifier from RPX (e.g. your OpenID) to an existing or to be created user account. A user is also able to map various identifiers to the same Plone account thus being able to login with his Twitter, Google or Facebook account to the same Plone account.

plonesocial.auth.rpx also allows the user to manage those mappings.

Here is a screencast showing how it looks to the end user:

1.1 Install *plonesocial.auth.rpx* in Plone

Look for your *buildout.cfg* and search for the following line:

```
[buildout]
...
```

```
eggs =
    ...
```

Add a new indented line to it like this:

```
eggs =
    ...
    plonesocial.auth.rpx
```

and rerun buildout:

```
bin/buildout -vv
```

(or without `-vv` in case you don't need the additional debug output).

Then restart your Plone site.

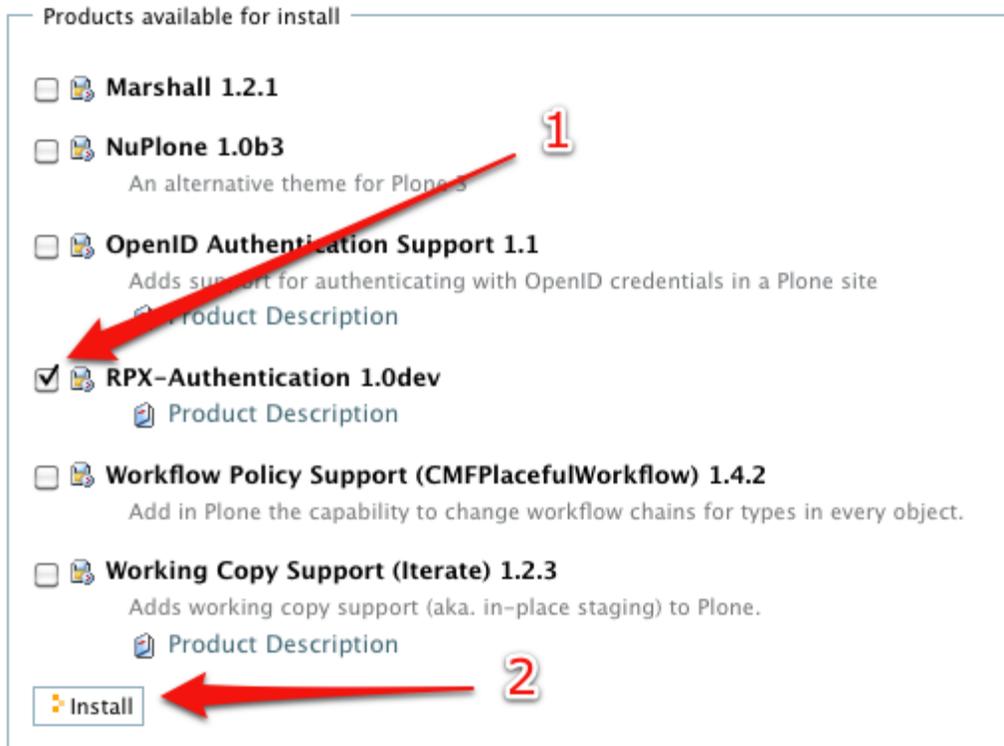
Go to “Site Setup” and then to “Add-on Products” and install it:

Add/Remove Products

▲ Up to Site Setup

This is the Add-on Products install section, you can add and remove products in the lists below.

To make new products show up here, add them to your buildout configuration, run buildout, and restart the server
[Installing a third party product](#) .



1.2 Creating an account at RPX

Go to the [RPX website](#), click on “Sign In” in the upper right corner and login with one of your existing accounts. You don’t need to register as an existing account on e.g. Google or Twitter is sufficient.

After that agree to the Terms of Service.

1.3 Create a New Application on RPX

You will be presented with the following screen:

Hi, mrtopf [se](#)

Create Application



Application ▾

Widgets ▾

APIs ▾

Analytics ▾

Resources

Create a New Application

Application Name

What is your application's name?

Domains

Enter any domains that your application will be running on, one per line. You can change these later on.
Example: `example.com`, `192.168.0.2` or `*.example.com`

Next »

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Lets assume that you want to first test it locally on your machine so give your application a name (we use “Plone RPX Text” here) and keep the localhost domain in the domains field.

In case you are running a live site you would of course enter it’s domain in there.

1.4 Collect necessary information from RPX

After you created the application you will be on the main application page. There you can obtain the API key (after clicking “Show”) and the RPX domain which in our case is `https://plone-rpx-test.rpxnow.com/`:

The screenshot shows the RPX application dashboard. At the top, there is a user profile for 'Hi, tao.takashi' with links for 'settings' and 'sign out'. Below this is a navigation bar with 'Plone RPX Test' selected, and other options: 'Application', 'Widgets', 'APIs', 'Analytics', 'Resources', and 'Support'. The main content area is titled 'Home' and is divided into two sections: 'Quick Links' and 'Application Info'. The 'Quick Links' section contains four items: 'Setup Guide' (Start integrating RPX into your web application now.), 'Widget Test Tool' (Try out your sign-in widget and examine provider responses.), 'Settings' (Set your domains, privacy policy, and application image.), and 'Access Control' (Invite developers and admins to this RPX application.). The 'Application Info' section contains: 'API Key (show)' (highlighted in a red box), 'Application ID' (pmppamieacpkhfcfgggh), 'Plan: Basic (upgrade)', and 'Your Domains (manage)' (localhost). Below the 'Quick Links' section is a 'Sign-in Activity' section with 'Totals Since Implementation' showing '0 Users' and '0 Sign-ins/User'. At the bottom of the dashboard, there is a footer with links for 'About JanRain', 'Contact Us', 'Privacy Policy', 'Docs', and 'FAQ', and the JanRain logo.

Write down or copy and paste those two settings.

1.5 Configuring the Plone site

In the Site Setup in Plone you will find a new item “RPX settings” at the bottom of the left bar. Click on it to go to the RPX configuration screen.

Enter your RPX details you wrote down in the earlier step there:

RPX settings

▲ Up to Site Setup

You can find your RPX settings under your RPX account at <http://RPXnow.com>

RPX Settings

RPX API key ■

RPX domain ■

Submit the form. RPX should now be ready to be used on the site and appear in case you are logged out either as portlet or on the login screen:

RPX Login

Log in with online id

Sign in using your account with









Powered by [RPX](#)

Please log in

Login with Plone

Login Name

Password

Forgot your password?
If you have forgotten your password, [we can send you a new one.](#)

New user?
If you do not have an account here, head over to the [registration form.](#)

The image shows a screenshot of a Plone login page. On the left side, there is a 'Log in' section with a 'Login Name' input field, a 'Password' input field, and a 'Log in' button. Below these are links for 'Forgot your password?' and 'New user?'. A red rectangular box highlights a 'RPX-Authentication' section, which contains a 'Sign In' button. The right side of the page features a 'Welcome to Plone' heading, a 'Congratulations! You have successfully' message, and a list of 'Get started' steps: 1. Make sure you are logged in as an administrator (corner), 2. Set up your mail server. (Plone needs a mail server), and 3. Decide what security level you want to use. Below this is a 'Get comfortable' section with the text 'After that, we suggest you do one or more' and a link 'Find out What's new in Plone 2'.

Configuring self-registration

Now you should decide whether you want to enable self-registration of users or not. This influences also on how the RPX plugin works:

- **with self-registration** a user after identifying himself will be presented with the choice to either create a new account (prefilled with the values obtained from the identification process, e.g. the fullname from Google) or to map this identifier to an existing account he already has on the site.
- **without self-registration** the only option is to map this identifier to an existing account. This also means that you cannot login at all if you don't have an account created by an administrator on the site.

Plone defaults to allow no self-registration. In order to change this go to the “Security” configuration option in the left list and enable self-registration and optionally to let users choose their own password:

Security settings

[▲ Up to Site Setup](#)

Security settings for this site.

Security settings

- Enable self-registration** 
Allows users to register themselves on the site. If not selected, only site managers can add n
- Let users select their own passwords** 
If not selected, passwords will be autogenerated and mailed to users, which verifies that the
- Enable User Folders**
If selected, home folders where users can create content will be created when they log in.
- Allow anyone to view 'about' information**
If not selected only logged-in users will be able to view information about who created an it

 Save

 Cancel

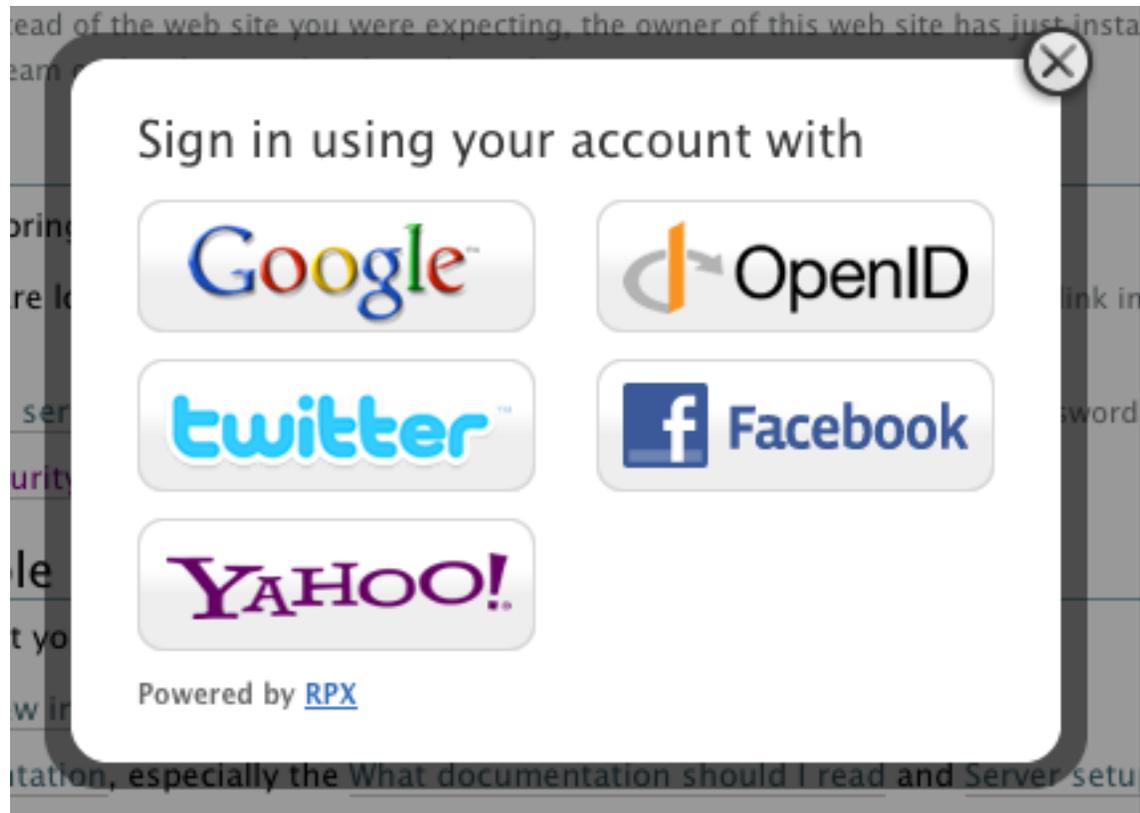
After submitting the form your RPX component will give a user the choice of creating or mapping an account.

Using Plone with RPX

Here is a run-through with self-registration enabled:

1. The user clicks “Login with RPX” in the login portlet
2. The user logs in with his Google account
3. The user registers a new Plone account mapped to the Google account (fullname, userid and email are already prepopulated in the registration form)
4. The user logs out again
5. The user logs in again but this time using his twitter account
6. The user maps this twitter account to the same plone account created in step 3 by entering Plone username and password
7. The user can then either login with his twitter or Google account to the plone site. The last login type will be remembered:

Here is all this in pictures:



RPX register

Register your Google account

The prefilled data was returned by your online id provider and is just a suggestion.

RPX log in

Login

You have already registered to Site and now want to assign your Google account to your profile.

Login Name

Password

Registration Form

Full Name

Enter full name, e.g. John Smith.

User Name ■

Enter a user name, usually something like 'jsmith'. No spaces or special character name used to log in.

E-mail ■

Enter an email address. This is necessary in case the password is lost. We resp

Password ■

Minimum 5 characters.

Confirm password ■

Re-enter the password. Make sure the passwords are identical.

Send a mail with the password

RPX register

Register your Twitter account

The prefilled data was returned by your online id provider and is just a suggestion.

RPX log in

Login

You have already registered to Site and now want to assign your Twitter account to your profile.

Login Name

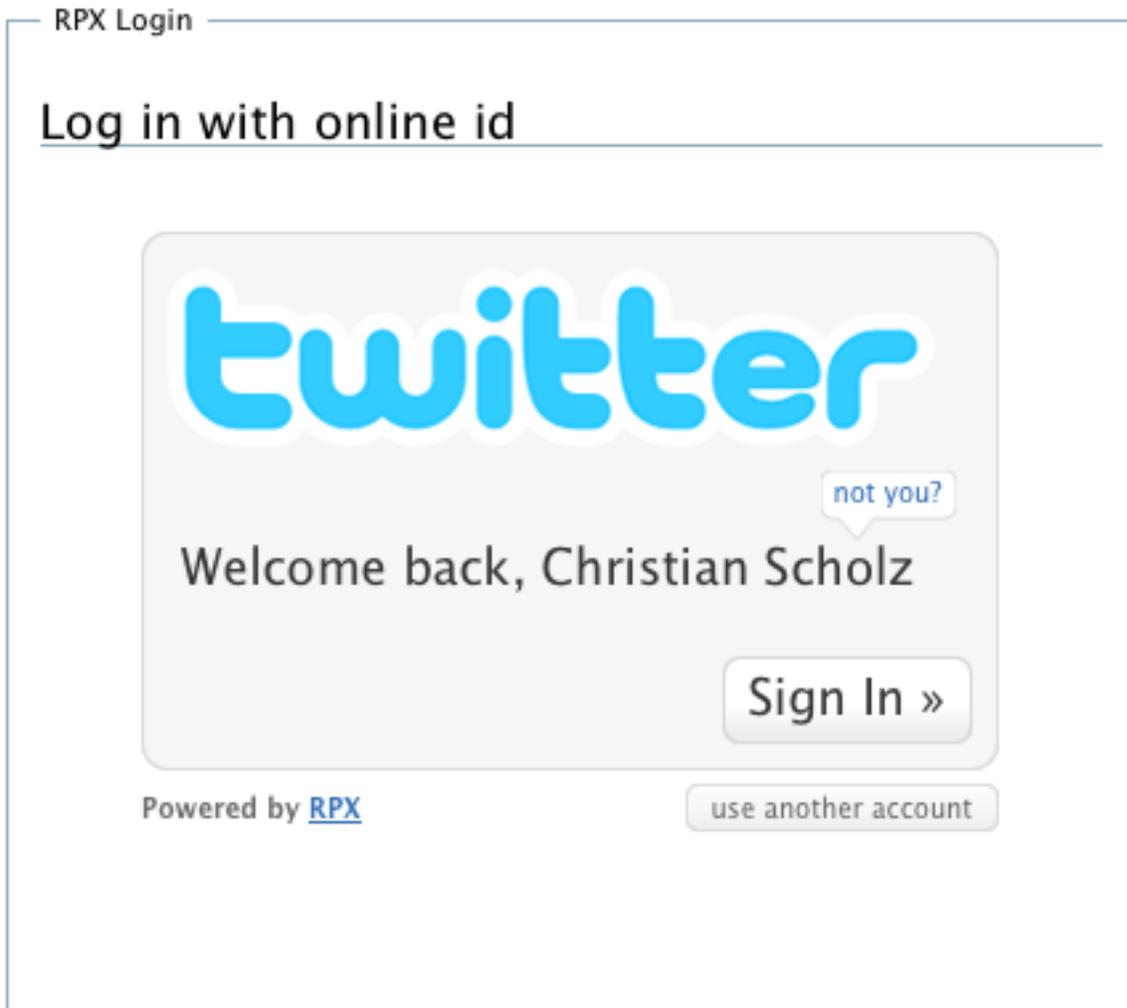
Password

Info The RPX id was mapped to your user.

You are now logged in

[Continue to the Site home page](#)

Note: If you do not remain logged in after leaving this page, it is because you need to enable cookies in your browser.



The user is also able to edit the mappings of RPX identities to his Plone account by clicking on his name, then going to “Personal preferences” and at the bottom will be a list of all RPX identities mapped to his account:

RPX identifiers

To delete an RPX identifier from your profile check the checkbox and click "save".

<input type="checkbox"/>	RPX Identifier
<input type="checkbox"/>	https://www.google.com/accounts/o8/id?id=AltOawn-iIDPPRypSfHSHDezPJLyCaHMY2egiKk
<input type="checkbox"/>	http://twitter.com/account/profile?user_id=794885

Credits

- Carsten Rebbien (main programming, cr@comlounge.net)
- Christian Scholz (concept, bugfixing and documentation, cs@comlounge.net)

Development was sponsored by [COM.lounge GmbH](#).

Source Code

The source code is available at <http://bitbucket.org/cryu/plonesocial.auth.rpx/>

Python Package

The package can be found at <http://pypi.python.org/pypi/plonesocial.auth.rpx/>

License

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