
senaite.autopublish Documentation

Release 1.0.0

**Riding Bytes
Naralabs**

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This add-on enables the automatic and asynchronous publishing of results reports for [SENAITE LIMS](#), especially indicated for the unattended publication of large amounts of samples with minimum impact on site performance.

This documentation is divided in different parts. We recommend that you get started with [Installation](#) and then head over to the [Quickstart](#).

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CHAPTER 1

Installation

This add-on depends on [senaite.queue](#). If you don't have this add-on installed yet, please follow the [Installation instructions of senaite.queue](#) first.

`senaite.autopublish` makes use of [Selenium WebDriver](#), a well-known tool used for browser testing automation. Although this tool supports several browser drivers, `senaite.autopublish` only supports [chromedriver](#). You have to manually install the chrome browser and the chrome driver first. Please, refer to [chromedriver versions selection documentation](#) for further details.

`senaite.autopublish` runs the browser in headless mode, but a graphical interface in place in your system is required. Since your [SENAITE LIMS](#) instance is probably running in a server without graphical interface, we suggest to install [xvfb](#), a virtual framebuffer X server.

To install `senaite.autopublish` in your SENAITE instance, add this add-on in the *eggs* section of your buildout configuration file as follows, and run *bin/buildout* afterwards:

```
[instance]
...
eggs =
    ...
    senaite.autopublish
```

With this configuration, buildout will download and install the latest published release of `senaite.autopublish` from [Pypi](#), as well as the [Selenium python package](#), that provides python language bindings for [Selenium WebDriver](#).

Once buildout finishes, start the instance, login with a user with “Site Administrator” privileges and activate the add-on:

http://localhost:8080/senaite/prefs_install_products_form

Note: It assumes you have a SENAITE zeo client listening to port 8080

This section gives an introduction about `senaite.autopublish`. It assumes you have `SENAITE LIMS` and `senaite.autopublish` already installed, with a reserved zeo client listening at port 8089 and a regular zeo client listening at port 8080. Please read the *Installation* for further details.

2.1 Control panel

Visit the control panel view for `senaite.autopublish` to configure the settings. This control panel is accessible to users with *Site Administrator* role, through “Site Setup” view, “Add-on Configuration” section:

<http://localhost:8080/senaite/@@autopublish-controlpanel>

Note: It assumes you have a `SENAITE` zeo client listening to port 8080

From this control panel view you can define the following settings:

- *Timeout*: the maximum number of seconds the system will wait for a URL to complete while generating the results report. A default value of works for most instances, but consider to increase this value when there are too many failures in the queue monitor view or *TimeoutException* appears too often in the zeo client’s log.
- *Base URL*: `SENAITE`’s url of the zeo client to use for the generation of results reports. This url is called by the queue’s zeo client. For instance, with a value of `http://localhost:8081/senaite`, the automatic results report generation will be done by the client listening at port 8081. If this setting is empty, the generation of results reports will be handled by queue’s zeo client.

2.2 Auto-publish samples

Login as a `SENAITE` regular user with enough privileges to publish samples. Be sure you have some samples in “verified” status. Go to Samples listing, and click to the “Verified” filter button (at the top of the list). Select some samples and a button “Auto publish” will be displayed at the bottom of the list.

Press the “Auto publish” button at the bottom and a confirmation view is displayed:

Automatic publication of samples

Warning

Multi-results reports are not supported with auto-publish.

Therefore, Samples will not be aggregated in a single report, but automatically published one-by-one.

Samples to process

Sample ID	Sample Type	Client	Contact	Analyses
DBS19-43347-R01	Dried Blood Spot		Sister Sr In Charge	Viral Load
DBS19-43348-R01	Dried Blood Spot		Sister Sr In Charge	Viral Load
DBS19-43349-R01	Dried Blood Spot		Sister Sr In Charge	Viral Load
DBS19-43350-R01	Dried Blood Spot		Sister Sr In Charge	Viral Load
DBS19-43351-R01	Dried Blood Spot		Sister Sr In Charge	Viral Load
DBS19-43352-R01	Dried Blood Spot		Sister Sr In Charge	Viral Load

Once the “Confirm” button is pressed, the system delegates the publication process of the selected samples to [senaite.queue](#). These samples will be eventually published. Meanwhile, a progress icon is displayed next to them in listings.

2.3 Monitoring

You can keep track of the samples that are in the publishing queue from the top-right “hamburger” menu, link “Queue Monitor”:

http://localhost:8080/senaite/queue_tasks

From this view you can cancel the auto-publication of individual samples or see the details of each task. Visit the [Documentation of senaite.queue](#) for further details.

CHAPTER 3

Changelog

3.1 1.0.0 (unreleased)

First version