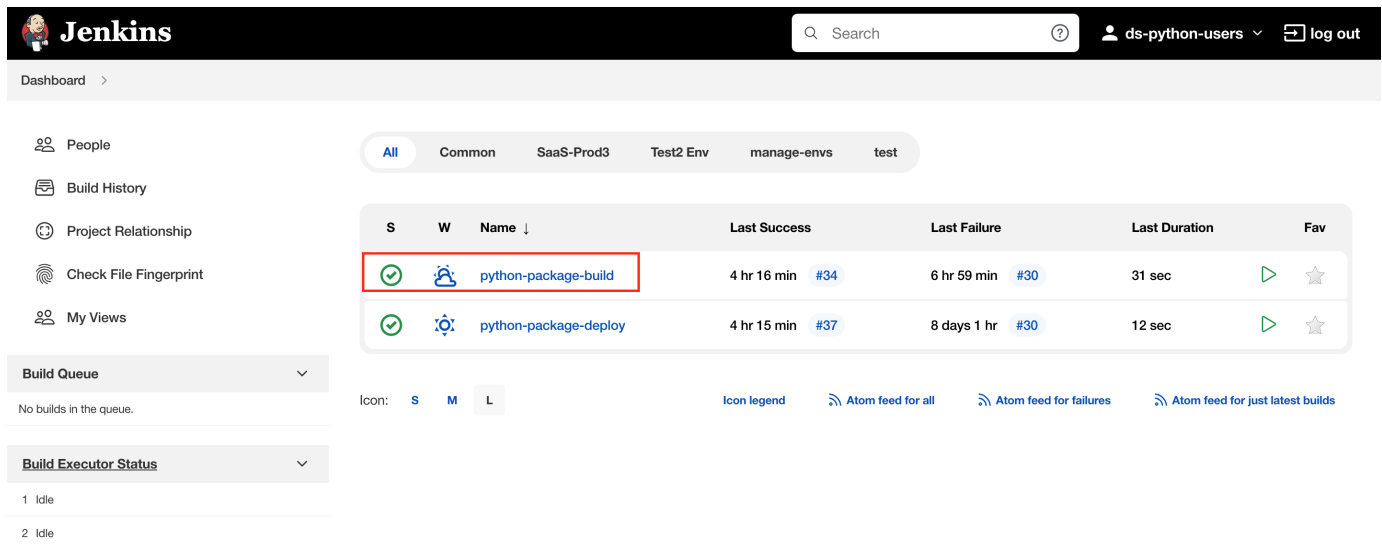


# Jenkins python Deployment

For deploying python packages it was split into two steps jenkins **python-package-build** **python-package-deploy**

## python-package-build

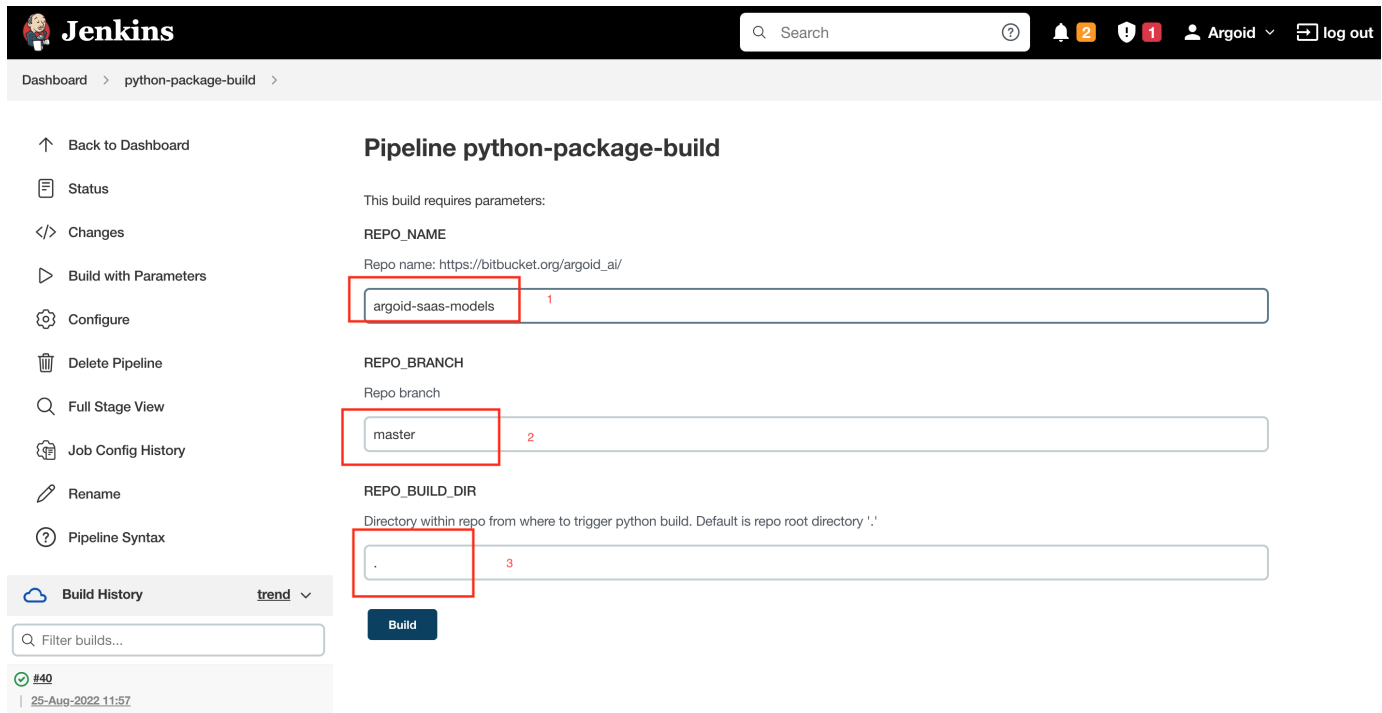


The screenshot shows the Jenkins Dashboard. The top navigation bar includes the Jenkins logo, a search bar, and the user 'ds-python-users' with a 'log out' button. The left sidebar contains links to 'People', 'Build History', 'Project Relationship', 'Check File Fingerprint', and 'My Views'. The main content area displays a table of jobs. The 'python-package-build' job is highlighted with a red box. Below the table, there are links for 'Icon legend', 'Atom feed for all', 'Atom feed for failures', and 'Atom feed for just latest builds'. On the left, there are sections for 'Build Queue' (showing 'No builds in the queue.') and 'Build Executor Status' (showing two idle executors).

S	W	Name ↓	Last Success	Last Failure	Last Duration	Fav
✓	🔔	python-package-build	4 hr 16 min #34	6 hr 59 min #30	31 sec	▶ ☆
✓	⚙️	python-package-deploy	4 hr 15 min #37	8 days 1 hr #30	12 sec	▶ ☆

go to python-package-build

This will build the packages and keep the packages in nexus-repository



The screenshot shows the Jenkins Pipeline configuration page for 'python-package-build'. The left sidebar contains links to 'Back to Dashboard', 'Status', 'Changes', 'Build with Parameters', 'Configure', 'Delete Pipeline', 'Full Stage View', 'Job Config History', 'Rename', and 'Pipeline Syntax'. The main content area shows the pipeline configuration. The 'REPO\_NAME' field is set to 'argoid-saas-models' (highlighted with a red box and labeled 1). The 'REPO\_BRANCH' field is set to 'master' (highlighted with a red box and labeled 2). The 'REPO\_BUILD\_DIR' field is set to '.' (highlighted with a red box and labeled 3). A 'Build' button is visible at the bottom. The bottom left shows the 'Build History' section with a filter bar and a list of builds, including build #40 from 25-Aug-2022 11:57.

**Pipeline python-package-build**

This build requires parameters:

**REPO\_NAME**  
Repo name: [https://bitbucket.org/argoid\\_ai/](https://bitbucket.org/argoid_ai/)  
 1

**REPO\_BRANCH**  
Repo branch  
 2

**REPO\_BUILD\_DIR**  
Directory within repo from where to trigger python build. Default is repo root directory '.'  
 3

we should give the repository name in column-1 as in bit bucket and branch name in column2 and build dir(where setup.cfg file exists as shown in the below example.) in column3. It can be ignored if it is in root dir or we can give it as < . > before doing the build step.

argoid-saas-models

Source

Commits

Branches

Pull requests

Pipelines

Deployments

Jira issues

Security

Downloads

Argoid\_AI / Argoid SaaS

argoid-saas-models

Clone ...

master

Files

Filter files

/

Name	Size	Last commit	Message
argoid_python_commons		2 days ago	[ARG-2185] added fix
argoid_saas_feature_engineering		yesterday	Merged dev into feature/trending_default_params
argoid_saas_model_jobs		23 hours ago	modified code to include date hour in output path
argoid_saas_models		yesterday	Merged dev into feature/trending_default_params
.gitignore	624 B	2022-07-06	Initial commit
README.md	352 B	2 days ago	[ARG-2163] [Fix bad import, Add README.md]
__init__.py	0 B	2022-08-08	[ARG-2001] Added refactored usecases: Deals On Latest A...
config.txt	95 B	2022-07-06	[ARG-1871] Initial framework commit
pyproject.toml	103 B	2022-07-06	[ARG-1871] Initial framework commit
setup.cfg	1.13 KB	22 hours ago	increased version in setup.cfg

### python-package-deploy

The deployment step is used to deploy the packages in airflow VM

Jenkins

Search

ds-python-users

log out

Dashboard

People

Build History

Project Relationship

Check File Fingerprint

My Views

All

Common

SaaS-Prod3

Test2 Env

manage-envs

test

S	W	Name ↓	Last Success	Last Failure	Last Duration	Fav
✓	🔧	python-package-build	4 hr 16 min #34	6 hr 59 min #30	31 sec	▶ ☆
✓	🔧	python-package-deploy	4 hr 15 min #37	8 days 1 hr #30	12 sec	▶ ☆

Build Queue

No builds in the queue.

Build Executor Status

Icon: S M L

Icon legend

Atom feed for all

Atom feed for failures

Atom feed for just latest builds

we should specify the  
Module name (It can be found in setup.cfg name variable)

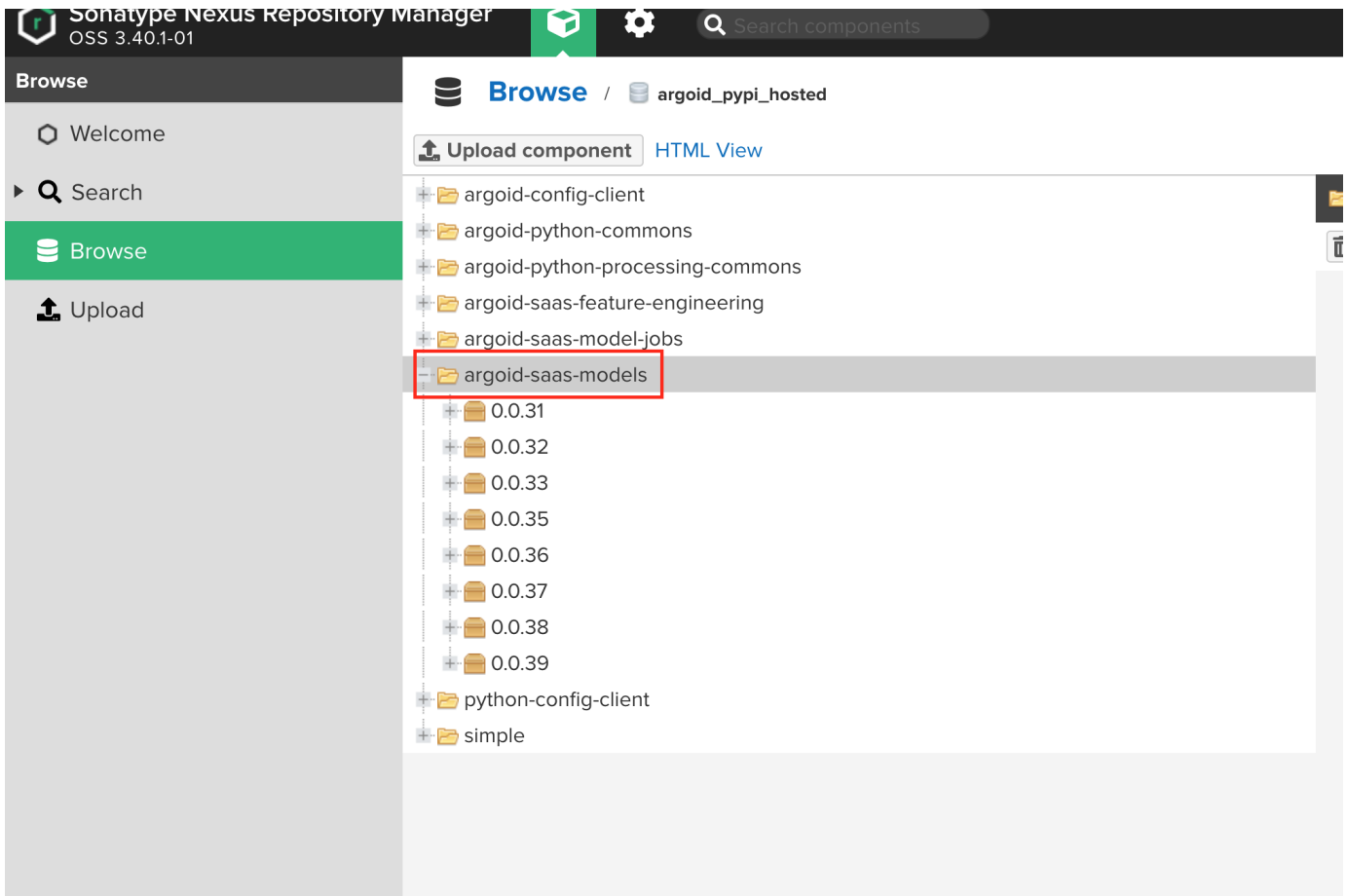
## argoid-saas-models / setup.cfg

```
1 [metadata]
2 name = argoid_saas_model_jobs
3 version = 0.0.7
4 author = Jeyaraj Sankaran
5 author_email = jey@argoid.com
6 description = Argoid Saas Model
7 long_description = file: README.md
8 long_description_content_type = text/markdown
```

Module version  
virtual env in which it needs to be deployed..

The screenshot shows the Jenkins web interface. At the top is the Jenkins logo and navigation bar with a search bar and user 'ds-python-users'. Below the navigation bar is the breadcrumb 'Dashboard > python-package-deploy >'. The main content area is titled 'Pipeline python-package-deploy'. On the left is a sidebar with navigation links: 'Back to Dashboard', 'Status', 'Changes', 'Build with Parameters', 'Full Stage View', and 'Build History'. The 'Build History' section shows a list of builds with status icons and timestamps. The main configuration area on the right is titled 'This build requires parameters:'. It contains four parameter fields, each with a red box highlighting the label and the input value: 1. 'MODULE\_NAME' with value 'argoid-saas-model-jobs'. 2. 'MODULE\_VERSION' with value '0.0.6'. 3. 'VIRTUAL\_ENV' with value 'argoid\_saas\_model\_jobs\_venv'. 4. 'YUM\_DEPENDENCIES' with an empty text area. At the bottom of the configuration area is a blue 'Build' button.

IN python package-deploy we should give the package name with hyphen as shown in the above example since the modules are taken from nexus-repository which has the naming convention as the following..



The above package will be deployed in the airflowVM