

Python Packaging Process

Repository directory structure

```
<root/any sub directory>/  
    <python_module_name>/  
        __init__.py all sub directories should include this file(empty file)  
        <sub dir>/  
        setup.cfg  
        pyproject.toml  
        README.md this needs to be present with long description  
        config.txt
```

Configuration

setup.cfg

Contents

```
[metadata]  
name = <python_module_name>  
version = 0.0.1  
author = Author  
author_email = author@argoid.com  
description = Short description  
long_description = file: README.md  
long_description_content_type = text/markdown  
url = https://bitbucket.org/argoid_ai/<repo_name>/  
project_urls =  
Bug Tracker = https://bitbucket.org/argoid_ai/<repo_name>/jira  
classifiers =  
Programming Language :: Python :: 3  
License :: OSI Approved :: MIT License  
Operating System :: OS Independent  
  
[options]  
  
include_package_data = True  
packages = find:  
install_requires =  
mysql-connector-python == 8.0.26 <-- dependencies to be listed here  
pandas == 1.1.0  
hdfs == 2.5.8  
pyarrow == 1.0.1  
jsonpickle == 1.4.1  
psycpg2-binary == 2.9.1  
python_requires = >=3.6  
  
[options.packages.find]  
  
[options.package_data]  
  
* = *.ini
```

pyproject.toml

Contents

```
[build-system]  
  
requires = [  

```

```
"setuptools>=42",  
"wheel"  
]  
  
build-backend = "setuptools.build_meta"
```

python_jobs config.txt

venv=airflow_venv Python virtual environment where the package is to be deployed. For packages which are only used as python library dependency (ex:python-config-client), this is not required.

yum_dependencies=python3-devel space separated list of yum packages which needs to be installed as part of installing this package and its dependencies. This is python package requiring a yum dependency for it run in code NOT dependencies which are required before building the python packages.