

# R6 Federated ML application at edge Test Document

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## Introduction

All test results and logs have been pushed to Akraino NEXUS:

[https://nexus.akraino.org/content/sites/logs/fate/job/Fate\\_test/15/](https://nexus.akraino.org/content/sites/logs/fate/job/Fate_test/15/)

## Running Unit tests

A script to run all the unittests has been provided in `./python/federatedml/test` folder.

Once FATE is installed, tests can be run using:

```
sh ./python/federatedml/test/run_test.sh
```

All the unit tests shall pass if FATE is installed properly.

## Pipeline Examples

### Introduction

We provide some example scripts of running FATE jobs with [FATE-Pipeline](#).

Please refer to the document linked above for details on FATE-Pipeline and FATE-Flow CLI v2. DSL version of provided Pipeline examples can be found [here](#).

### Quick Start

Here is a general guide to quick start a FATE job.

1. (optional) create virtual env

```
python -m venv venv
source venv/bin/activate
pip install -U pip
```

2. install `fate_client`

```
# this step installs FATE-Pipeline, FATE-Flow CLI v2, and FATE-Flow SDK
pip install fate_client
pipeline init --help
```

3. configure server information

```
# configure by conf file
pipeline init -c pipeline/config.yaml
# alternatively, input real ip address and port info to initialize pipeline
# optionally, set log directory for Pipeline
pipeline init --ip 127.0.0.1 --port 9380 --log-directory ./logs
```

4. upload data with FATE-Pipeline

