# 1. Introduction

The Verdaccio is the NPM Proxy Registry project which can use in offline as npm server like npmjs. In this project, the publishing the modules and downloading modules are available.

# 2. Installation of Verdaccio

## 1) Online Environment

- npm install verdaccio

- verdaccio

## 2) Offline Environment

\*\*\* Windows \*\*\*

- Copy the npm folder to C:\Users\{USER}\AppData\Roaming\npm folder. ( This is the system npm package)

- Copy the verdaccio folder to C:\Users\{USER}\AppData\Roaming\verdaccio folder.

\*\*\* Linux \*\*\*

- Copy the npm folder to /usr/lib/node\_modules/npm.

- Copy the Verdaccio folder to /usr/lib/node\_modules/verdaccio.

## 3) Edit config.yaml file

- Go to C:\Users\{USER}\AppData\Roaming\verdaccio\config.yaml.

- Remove all the links which including the npmjs or Replace the file with config\_new.yaml file.

## 4) Extract the archive files to the Verdaccio

- Extract the verdaccio-\*\*\*.rar to the C:\Users\{USER}\AppData\Roaming\verdaccio

## 5) Start the Verdaccio server

- Open the command line window.

- Run verdaccio

- Then, you can see the server on <http://localhost:4873>

# 3. Publish the modules to Verdaccio server.

## 1) Publishing one module

- Go to the module folder and run this command: npm publish lodash --registry <http://localhost:4873>

- If you want to publish the tgz files, run this command: npm publish lodash-1.2.3.tgz --registry <http://localhost:4873>

## 2) Publishing multiple modules

- I suggest you to use the code named publish\_modules\_to\_verdaccio.py

\*\*\* NOTE \*\*\*

Before Publishing modules, Check the user information.

First, npm adduser --registry <http://localhost:4873>

Add user information such as user name, password, email

Second, npm login --registry <http://localhost:4873>

Enter username, password, email

If you have no account in verdaccio, you can’t publish any modules.

# 4. Download and install the modules from Verdaccio Server.

## 1) Package.json

- Simply run this command: npm install package.json --registry {verdaccio\_server}

## 2) Specific Module

- npm install [lodash@2.1.3](mailto:lodash@2.1.3) –registry {verdaccio\_server}

\*\*\* NOTE \*\*\*

If you set the registry as verdaccio\_server not npmjs.org, you can simply download and install modules by npm install command without --registry tag.

npm set registry {verdaccio\_server}

# 5. Reference Questions

## 1) If the size of the disk is limited, is it possible to save the storage folder to another disk?

Yes, you can edit the storage path in config.yaml file in verdaccio folder and copy the storage folder to another disk as same name in config file.

## 2) Working Environment for Verdaccio

Node.js and system environment.