

GitHub NPM Registry

Use GitHub as package registry for your private packages

Scopes

- Some package names also have a scope
- A scope follows the usual rules for package names. When used in package names, scopes are preceded by an "@" symbol and followed by a slash, e.g.

```
@scopename/somepackagename
```

Checklist

- package name contains a scope which matches the GitHub organization / username name (lowercased)
- npm config set GitHub registry URL for specific scope(s)
- npm config to have NPM_TOKEN configured

Package Name

The package's "scope" must match the organisation's name for GitHub to ensure that the npm client has the permission to clone the package.

package.json

```
{  
  "name": "@egoditor/somepackagename"  
}
```

Registry

Configure `npm` to use a different package registry URL for specific scope(s).

```
npm config set --@egoditor:registry --location project https://npm.pkg.github.com/scope
```

or

```
npm config set --@egoditor:registry https://npm.pkg.github.com/egoditor
```

IMPORTANT: repeat the scope at the end of the registry URL.

NPM Token

Using private NPM Packages from GitHub registry require a *personal access token* with "write:packages" for publishing and/or "read:packages" for pulling.

```
npm config set //npm.pkg.github.com/:_authToken <token-value>
```

Personal Access Tokens can be created in the GitHub Settings > "[Personal Access Tokens](#)".

GITHUB_TOKEN vs. NPM_TOKEN

The github workflow environment automatically creates a secret `GITHUB_TOKEN` which can be used to publish and clone private packages.

Install Local Package

npm link

Before publishing a version use the local copy of the package in your project by linking it:

```
cd my-new-project  
npm link ../../egoditor/my-funky-package
```

Troubleshooting

Unable to authenticate, need: Basic realm="GitHub Package Registry"

You probably missed the "scope" at the end of the registry URL in the configuration.

Additional Resources

- [GitHub Documentation](#)
- [NPM config Documentation](#)



**Thanks for
listening!**