UQAM

How to build the Nit Plug-in

Nit Plug-in for Eclipse

Plug-in

The nit plug-in is a project started in 2012 to help developers use the language via the IDE Eclipse.

It aims to provide:

- Syntax highlighting
- Auto-completion
- Building and debugging from Eclipse
- And many more…

Git

The Plug-in is hosted on GitHub at: https://github.com/R4PaSs/Nit-Plugin-for-Eclipse, and everyone can contribute to the project if they want to.

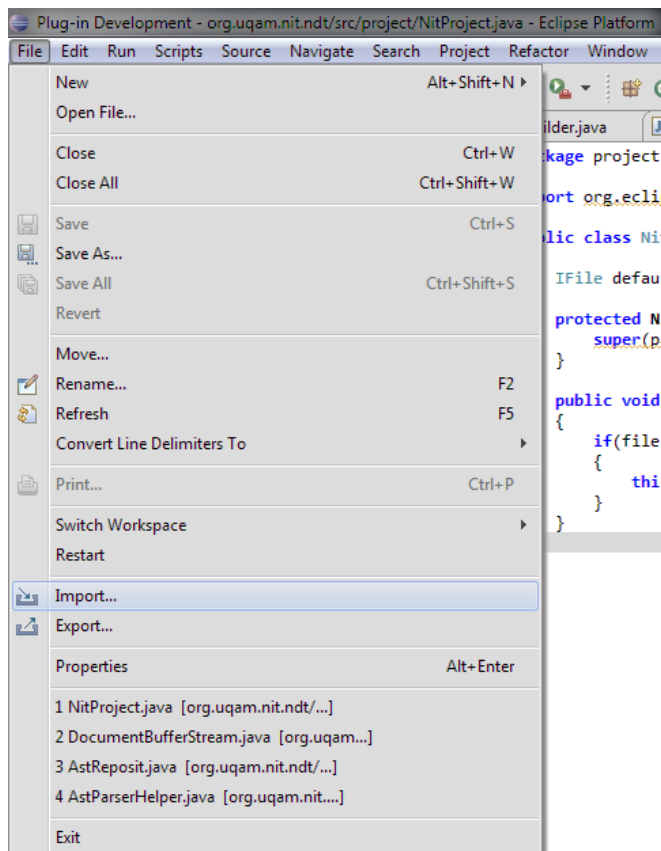# Building the project

What you'll need

1) Eclipse

You'll need the latest version of Eclipse, Indigo available for download here :
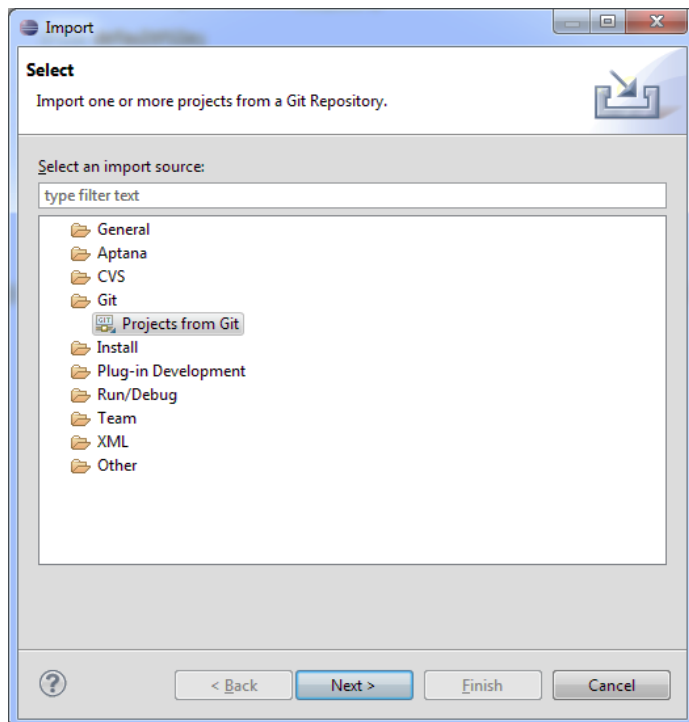
http://www.eclipse.org/downloads/

Take the RCP/RAP Developers version for your OS/JVM and proceed to the next step.
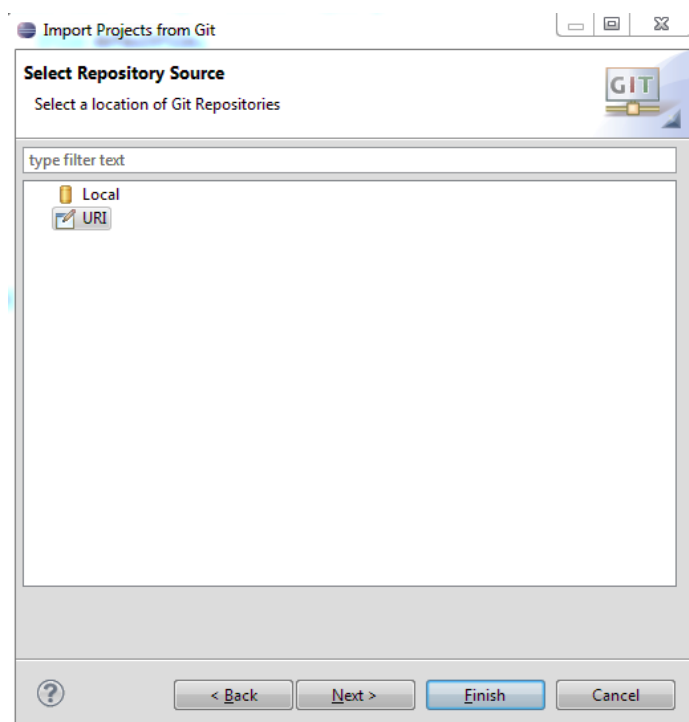
2) EGit

EGit is a Git extension for Eclipse, you'll need it to get the sources from GitHub, to use it, use the Import function of Eclipse :

Select Git/Projects from Git

Then, URI :

Register the information on the wizard using the git protocol :

Source Git Repository
Enter the location of the source repository.

Location
URI: git://github.com/R4PaSs/Nit-Plugin-for-Eclipse   Local File...
Host: github.com
Repository path: /R4PaSs/Nit-Plugin-for-Eclipse

Connection
Protocol: git
Port:

Authentication
User:
Password:
Store in Secure Store

< Back   Next >   Finish   Cancel

Choose the branch you want to clone (In that case, it would be "master")

Branch Selection
Select branches to clone from remote repository. Remote tracking branches
will be created to track updates for these branches in the remote repository.

Branches of git://github.com/R4PaSs/Nit-Plugin-for-Eclipse:

type filter text

☑ master

Then, choose the directory to clone the project in (make sure it is empty) and continue with the New Project Wizard.

Local Destination
❌ C:\Users\R4PaSs\git\Nit-Plugin-for-Eclipse is not an empty directory.

Destination
Directory: C:\Users\R4PaSs\git\Nit-Plugin-for-Eclipse   Browse
Initial branch: master
☐ Clone Submodules

Configuration
Remote name: origin

Select a wizard to use for importing projects

Depending on the wizard, you may select a directory to determine the wizard's scope

Wizard for project import
- ○ Import existing projects
- ● Use the New Project wizard
- ○ Import as general project

📁 Working Directory - C:\Users\R4PaSs\git\nini\Nit-Plugin-for-Eclipse

Then, select new Plug-in project

Select a wizard

Create a Plug-in Project

Wizards:

type filter text

- 📑 Java Project
- 🎇 Java Project from Existing Ant Buildfile
- 📑 Plug-in Project
- 📂 General
  - 📑 Project
- 📂 Android
  - 📑 Android Project
  - 📑 Android Sample Project
  - 📑 Android Test Project
- 📂 CVS
- 📂 Eclipse Modeling Framework
- 📂 Java
- 📂 Plug-in Development
- 📂 Rails
- 📂 Ruby
- 📂 Web
- 📂 Examples

And create it like a new project as usual :

Plug-in Project
Create a new plug-in project

Project name: NitPlugin

☑ Use default location

Location: C:\Users\R4PaSs\workspace\NitPlugin   Browse...

Project Settings
☑ Create a Java project

Source folder: src

Output folder: bin

Target Platform
This plug-in is targeted to run with:
◉ Eclipse version: 3.7 ▾
○ an OSGi framework: Equinox ▾

Working sets
☐ Add project to working sets
Working sets: _____ ▾ Select...

(Make sure to target Eclipse 3.7)

Content
Enter the data required to generate the plug-in.

Properties
ID: NitPlugin
Version: 1.0.0.qualifier
Name: NitPlugin
Provider:
Execution Environment: JavaSE-1.6 ▾ Environments...

Options
☑ Generate an activator, a Java class that controls the plug-in's life cycle
Activator: nitplugin.Activator
☑ This plug-in will make contributions to the UI
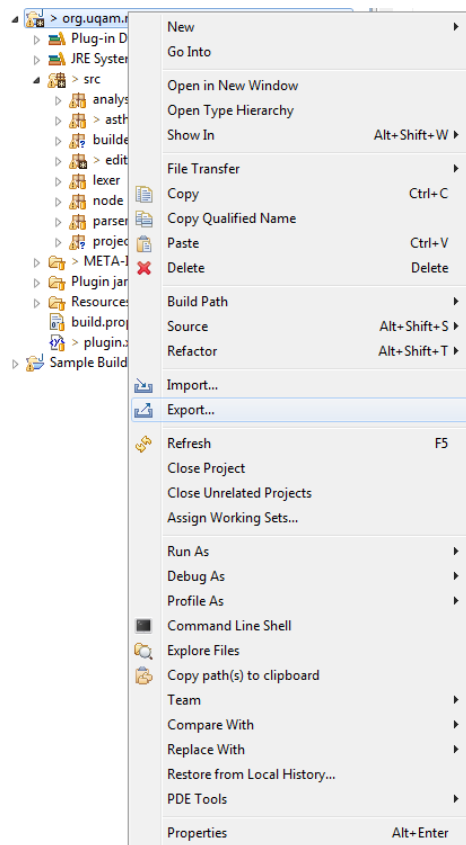☐ Enable API Analysis

Rich Client Application
Would you like to create a rich client application?   ○ Yes   ◉ No

Then you may click Finish for the files to be downloaded on your hard drive.
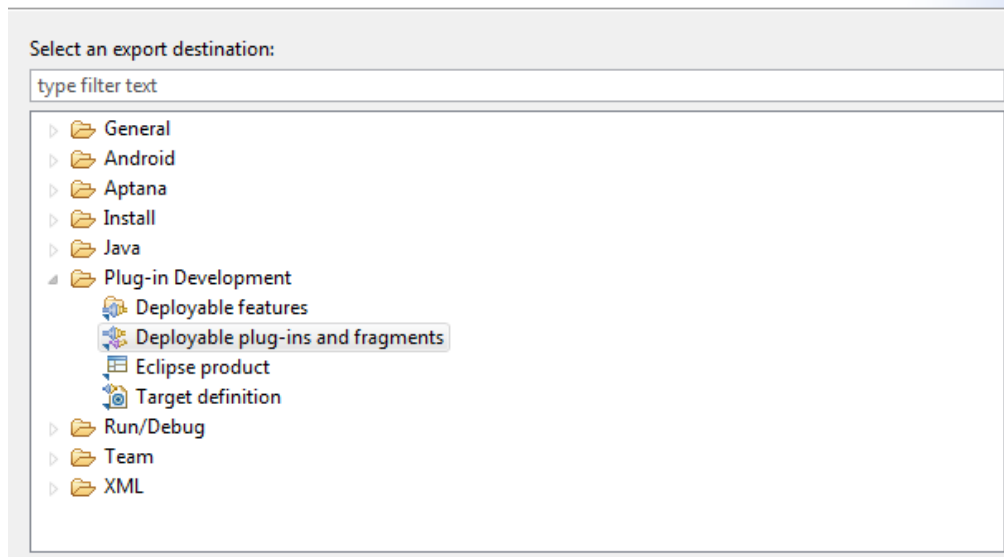
Once you have the sources

From the moment you have the sources on your hard drive, you just have to Export the project

Then choose to deploy it as Deployable plug-ins and fragments :

Then, deploy it in the directory of your choice

Eclipse will build the plugin and save the jar file in the directory you had chosen

Once this is done, take the plugin jar file and copy it in the plugins directory of your eclipse install and that's it! Restart your Eclipse instance and the plug-in will work on nit files.