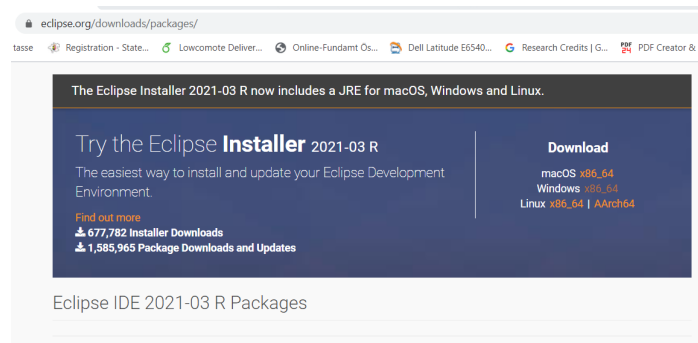Prerequisites: Eclipse IDE 2021 03 R / Eclipse Modeling Tools package

1   Access the page https://www.eclipse.org/downloads/packages/
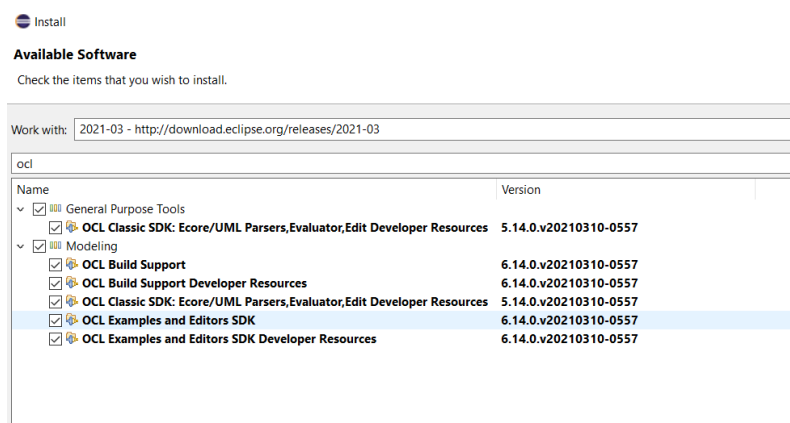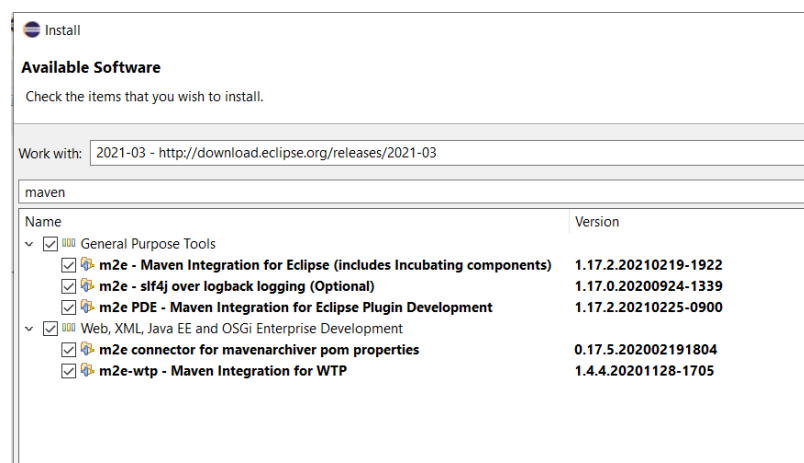

2   Scroll down, find download and install The Eclipse Modeling Tools
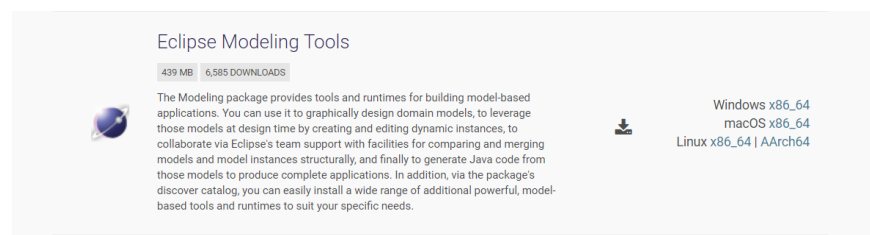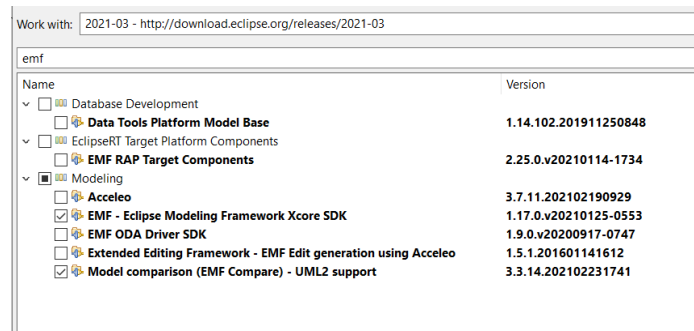

3   Open Help -> Install New Software, filter by "ocl", tick the checkboxes as in the figure and install.

4   Open Help -> Install New Software, filter by "maven", tick the checkboxes as in the figure and install.

5   Open Help -> Install New Software, filter by "emf", tick the checkboxes as in the figure and install.

Work with:	2021-03 - http://download.eclipse.org/releases/2021-03	
emf		
Name		**Version**
∨ ☐ ▥ Database Development		
☐ 🔩 **Data Tools Platform Model Base**		1.14.102.201911250848
∨ ☐ ▥ EclipseRT Target Platform Components		
☐ 🔩 **EMF RAP Target Components**		2.25.0.v20210114-1734
∨ ☑ ▥ Modeling		
☐ 🔩 **Acceleo**		3.7.11.202102190929
☑ 🔩 **EMF - Eclipse Modeling Framework Xcore SDK**		1.17.0.v20210125-0553
☐ 🔩 **EMF ODA Driver SDK**		1.9.0.v20200917-0747
☐ 🔩 **Extended Editing Framework - EMF Edit generation using Acceleo**		1.5.1.201601141612
☑ 🔩 **Model comparison (EMF Compare) - UML2 support**		3.3.14.202102231741

6   Open Help -> Install New Software, filter by "atl", tick the checkboxes as in the figure and install.

Work with:	2021-03 - http://download.eclipse.org/releases/2021-03	
atl		
Name		**Version**
∨ ☑ ▥ Modeling		
☑ 🔩 **ATL SDK - ATL Transformation Language SDK**		4.3.0.v202102220734

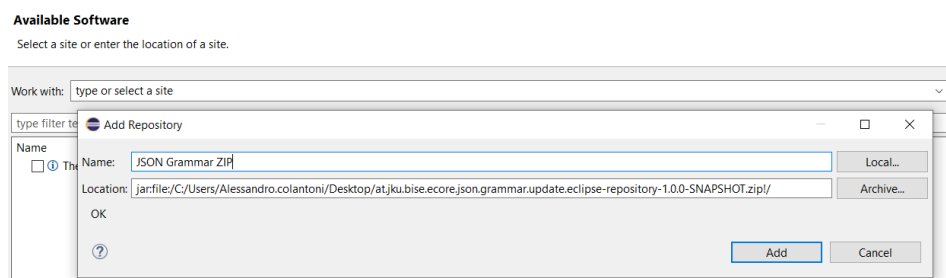JSON Schema DSL and JSON Grammar installation.
Once completed the installation of the required Eclipse (and having restarted it), it is time to install our artifacts. These two artifacts can be found in the folder /tutorials/installables, or in the tag release of interest (from release 1.0.1) .
The artifacts are two zip files that have to be downloaded to your PC.

7   Install JSON Grammar (at.jku.bise.ecore.json.grammar.update.eclipse-repository-1.0.0-SNAPSHOT.zip).
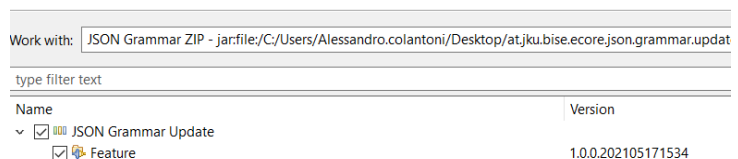
Add a repository, selecting Archive, and browsing to the location of the JSON Grammar zip file

Available Software
Select a site or enter the location of a site.

Work with:	type or select a site	

type filter te

Name		
☐ ① The		

Add Repository

Name:	JSON Grammar ZIP	Local...
Location:	jar:file:/C:/Users/Alessandro.colantoni/Desktop/at.jku.bise.ecore.json.grammar.update.eclipse-repository-1.0.0-SNAPSHOT.zip!/	Archive...

OK

[Add]   [Cancel]

Click add, select the JSON Grammar Update and install it, and restart Eclipse.

Available Software
Check the items that you wish to install.

Work with:	JSON Grammar ZIP - jar:file:/C:/Users/Alessandro.colantoni/Desktop/at.jku.bise.ecore.json.grammar.updat

type filter text

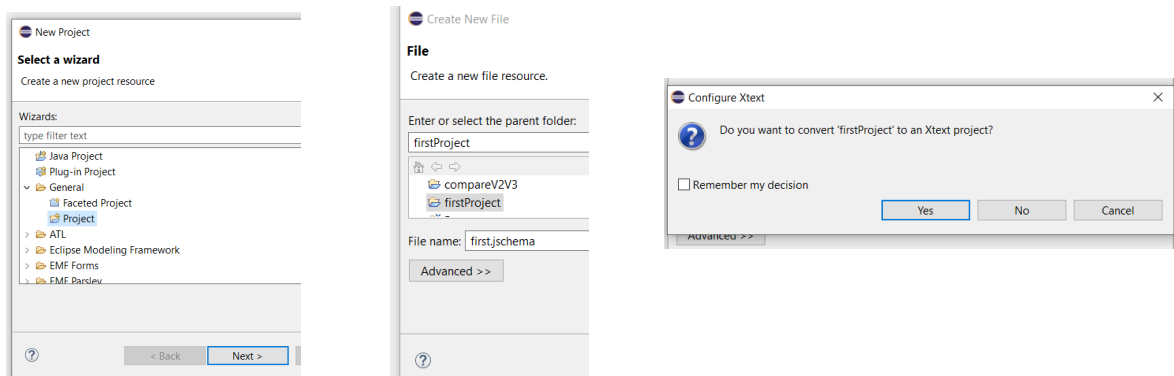| **Name**		**Version**
∨ ☑ ▥ JSON Grammar Update		
☑ 🔩 Feature		1.0.0.202105171534

8   Install JSON Schema DSL.

Add a repository, selecting Archive, and browsing to the location of the JSON Schema DSL zip file (jsonschemadsl.repository-<VERSION>.zip)

Click add, select the JsonSchemaDsl, install it, and restart Eclipse.

Available Software

Check the items that you wish to install.

Work with: | jsonSchemaDSL ZIP - jar:file:/C:/Users/Alessandro.colantoni/Desktop/jsonschemadsl.repository-1.0.1-SNAPSHOT.zip!/

type filter text

Name	Version
☑ JsonSchemaDsl	
☑ JsonSchemaDsl Feature	1.0.1.202105171106
☐ JsonSchemaDsl (Sources)	

10   Create your first project, create inside it a file with .jschema extension, click Yes when asked if you want to convert to an Xtext project.

New Project

Select a wizard

Create a new project resource

Wizards:

type filter text

- Java Project
- Plug-in Project
- ∨ General
  - Faceted Project
  - Project
- ATL
- Eclipse Modeling Framework
- EMF Forms
- EMF Parsley

< Back   Next >

Create New File

File

Create a new file resource.

Enter or select the parent folder:

firstProject

- compareV2V3
- firstProject

File name: first.jschema

Advanced >>

Configure Xtext   ✕

Do you want to convert 'firstProject' to an Xtext project?

☐ Remember my decision

Yes   No   Cancel

Open the file first.jschema, and use the context assist to create your first JSON Schema.

Open workspace
C:\Users\Alessandro.colantoni\eclipse\eclipse-modeling-2021-03-R-win32-x86_64\eclipse\workspaces\jsonschemadsl

TODO

Eclipse Dsl 2021-03