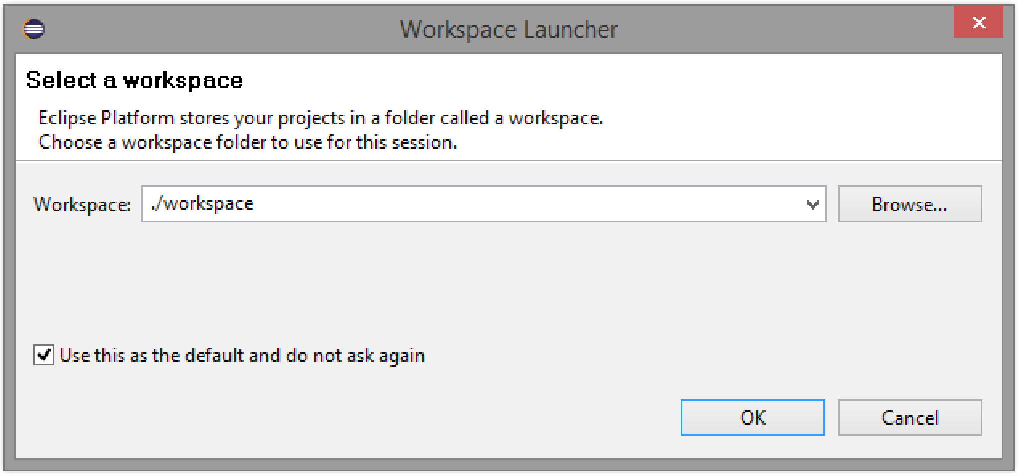
CloudDesigner v0.1.0 Tutorial

Install & Launch

Download CloudDesigner here : **http://www.obeo.fr/download/occiware/**

If you installed a previous version, you can update it using the Update-site.

Unzip the bundle, then launch the eclipse application.



Workspace Launcher

Select a workspace

Eclipse Platform stores your projects in a folder called a workspace.
Choose a workspace folder to use for this session.

Workspace: ./workspace

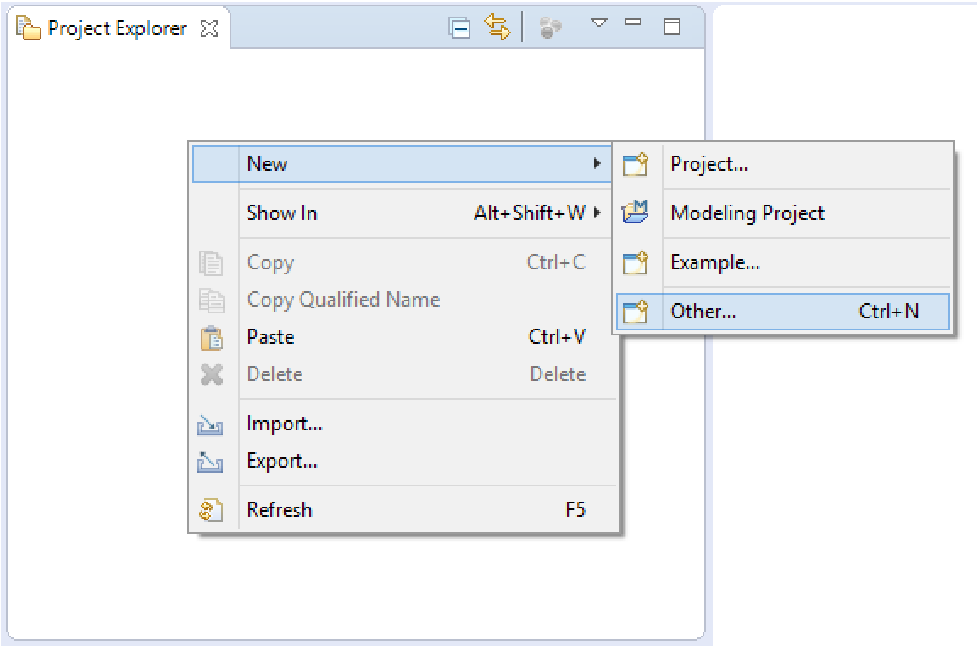
☑ Use this as the default and do not ask again

You can type « ./workspace » to locate the workspace under the CloudDesigner installation directory.

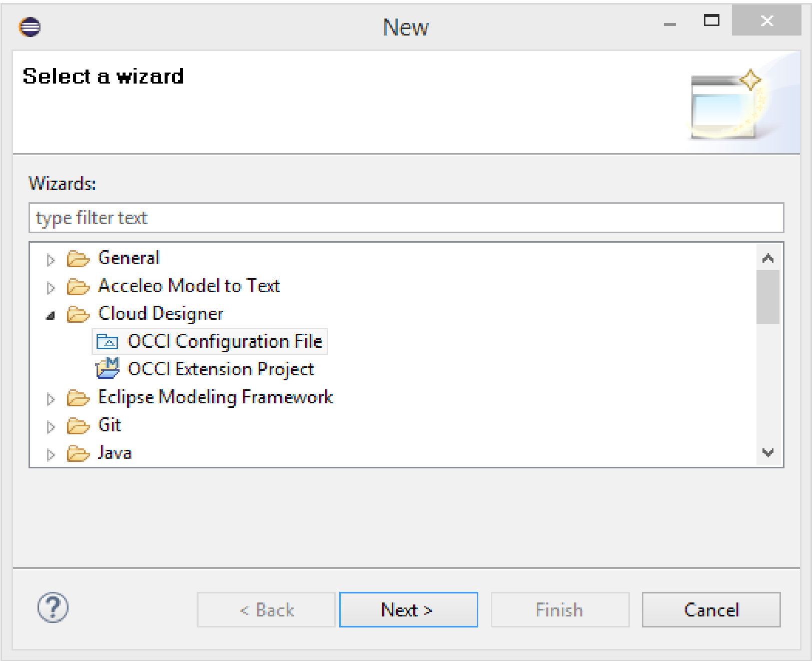
The OCCI Extension Designer

This tool allow to create new OCCI extensions, which can be used to define configurations and to generate tooling. To create a new extension, follow the steps below :

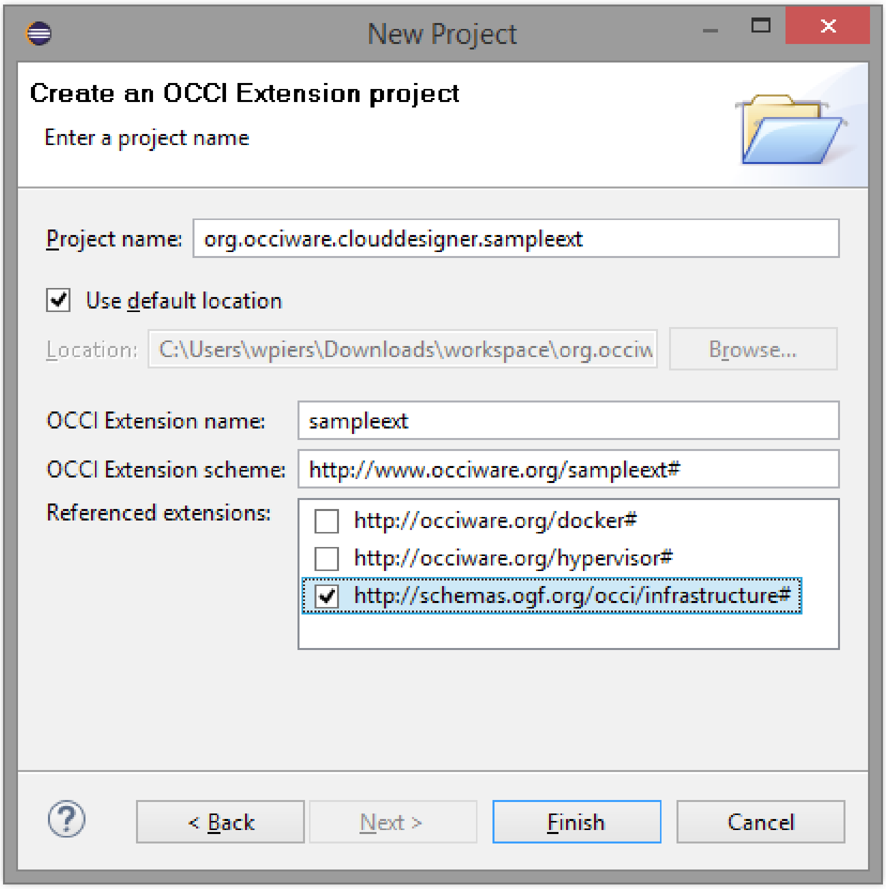
- Right-click on the project explorer



- select « Other » then « OCCI Extension Project »



- fill the project name (it is advised to put a namespace first then the extension name, like in « my.company.extensionname »)



Create an OCCI Extension project

Enter a project name

Project name: org.occiware.clouddesigner.sampleext

☑ Use default location

Location: C:\Users\wpiers\Downloads\workspace\org.occiw

OCCI Extension name: sampleext

OCCI Extension scheme: http://www.occiware.org/sampleext#

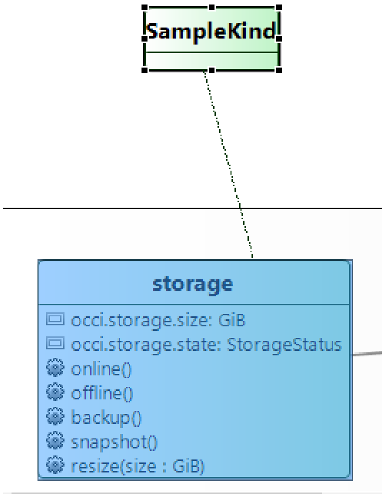
Referenced extensions:

☐ http://occiware.org/docker#

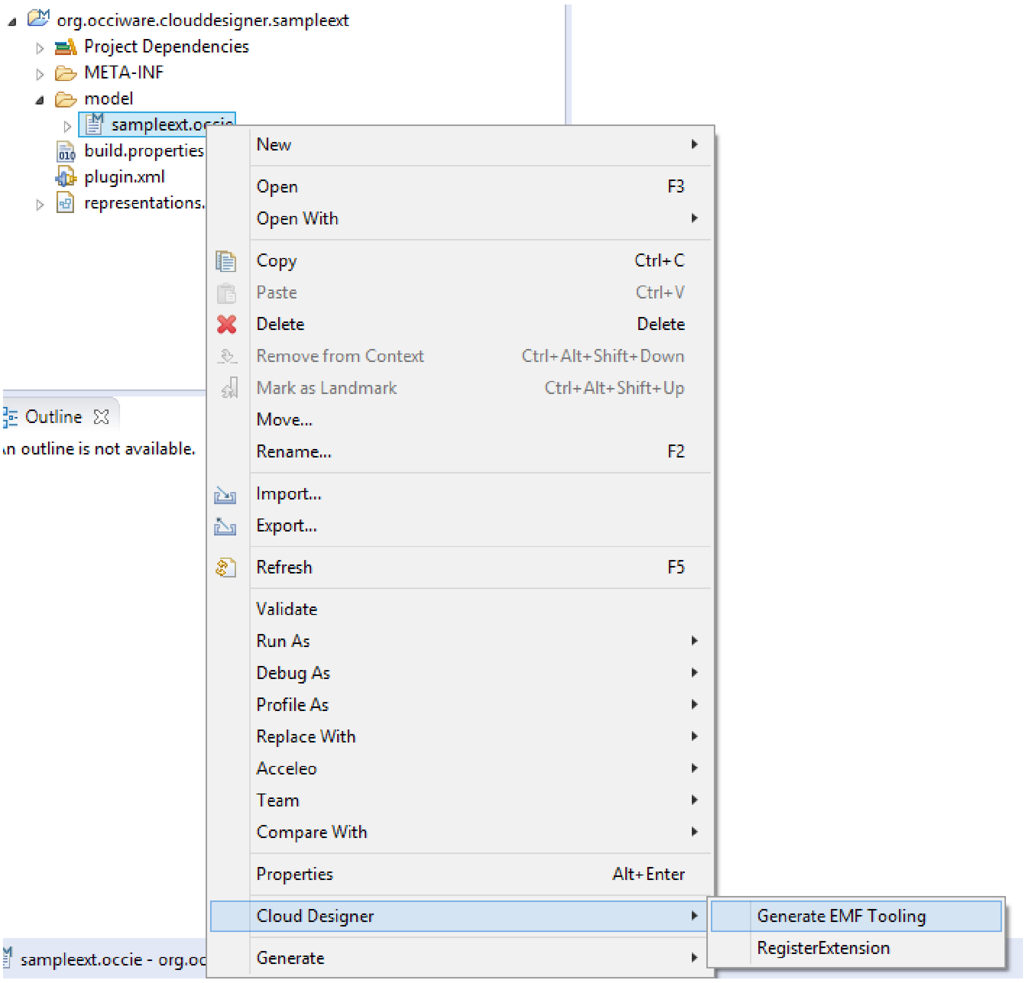
☐ http://occiware.org/hypervisor#

☑ http://schemas.ogf.org/occi/infrastructure#

- Once the diagram is open you can create elements. To attach a kind to its parent you can use the parent edge tool or set the parent in the property view, in the Semantic tab.

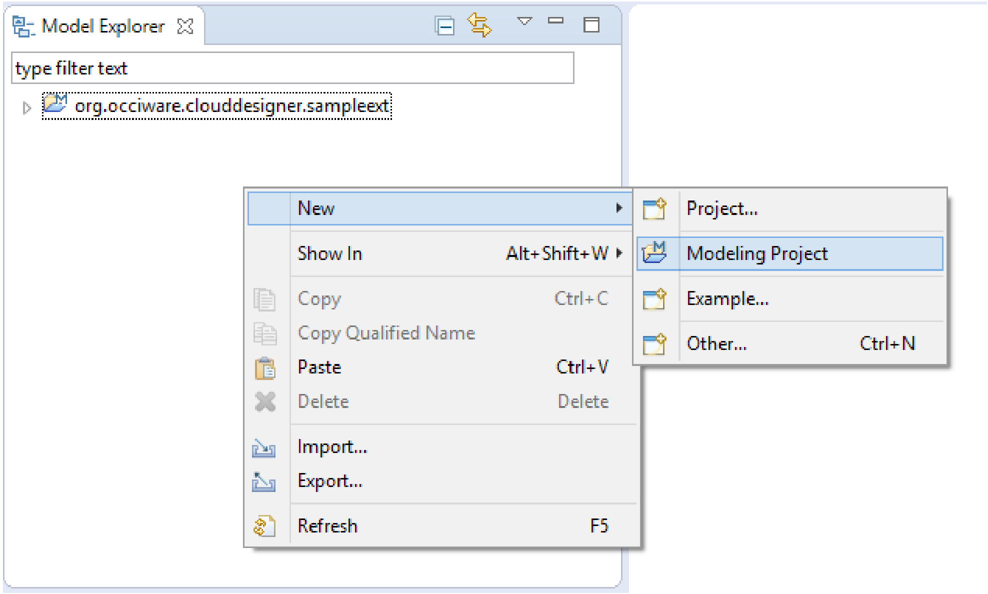


When the extension is ready to use, you can check its correctness by validating it (right-click in the background of the diagram, validate). Then you can register the .occie file in order to use the extension in other models like configurations.

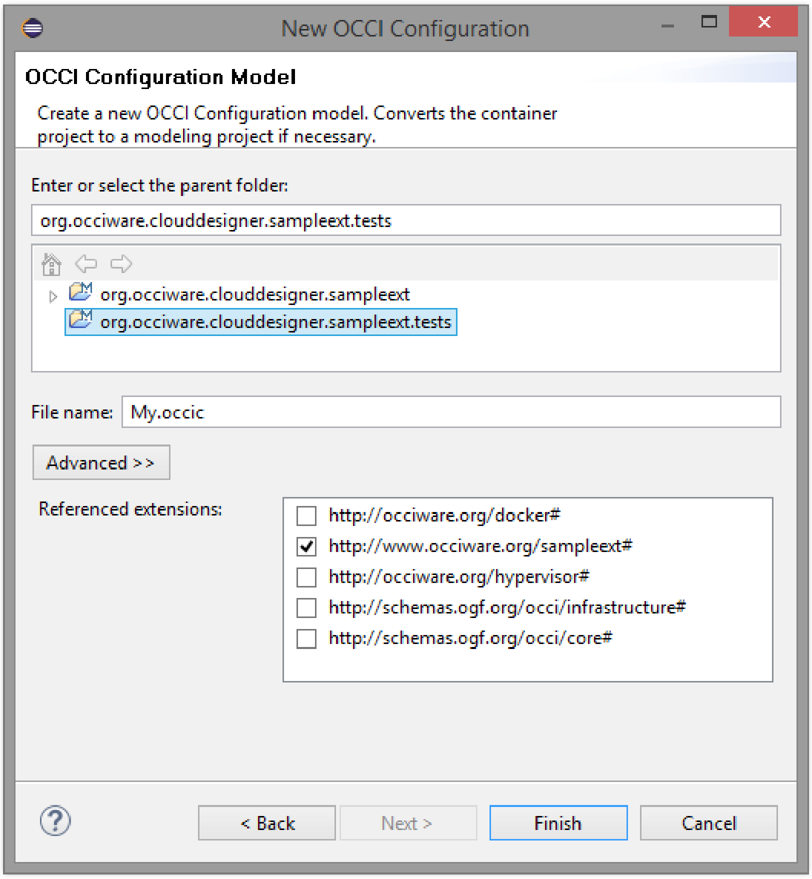


Configuration modeler

First, create a modeling project to host the configuration.



Then, right-click in project explorer > other to create this time a configuration. If you the new extension has been correctly registered, you can select it.



OCCI Configuration Model

Create a new OCCI Configuration model. Converts the container project to a modeling project if necessary.

Enter or select the parent folder: org.occiware.clouddesigner.sampleext.tests

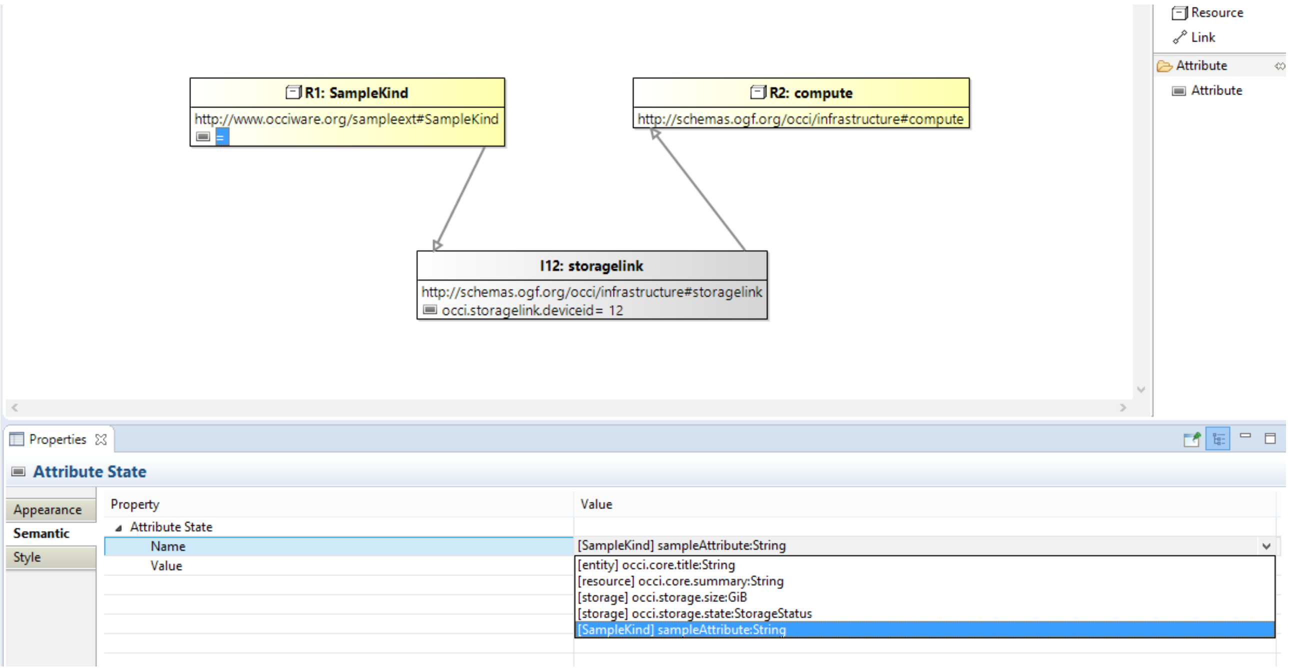
- org.occiware.clouddesigner.sampleext
- org.occiware.clouddesigner.sampleext.tests

File name: My.occic

Referenced extensions:

- □ http://occiware.org/docker#
- ☑ http://www.occiware.org/sampleext#
- □ http://occiware.org/hypervisor#
- □ http://schemas.ogf.org/occi/infrastructure#
- □ http://schemas.ogf.org/occi/core#

Finally, you can create the configuration.


Resource
Link
Attribute
Attribute
R1: SampleKind
http://www.occiware.org/sampleext#SampleKind
R2: compute
http://schemas.ogf.org/occi/infrastructure#compute
l12: storagelink
http://schemas.ogf.org/occi/infrastructure#storagelink
occi.storagelink.deviceid= 12
Properties
Appearance
Semantic
Style
[entity] occi.core.title:String
[resource] occi.core.summary:String
[storage] occi.storage.size:GiB
[storage] occi.storage.state:StorageStatus
[SampleKind] sampleAttribute:String

Attribute State

Property	Value
Attribute State	
Name	[SampleKind] sampleAttribute:String
Value	