Overtarget Documentation

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Overtarget is	an eclipse	plug-in	that helps	you	managing	your	target	platform
files with depe	endencies a	across pr	roject boui	ndari	es.			

This documentation should help you getting familiar with Overtarget and its functionalities.

Chapter 1. Creating a tmodel file

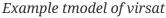
In an existing project create a new file and add the file extension ".tmodel".

1.1. Writing a tmodel file

A tmodel file always starts with the keyword "Target" followed by the name of the tmodel. Within the curly brackets you can define your tmodel the way you like. A target file is automatically generated when saving the tmodel file.

An example tmodel is presented below.

```
Repositorytocation Nebula url "https://download.eclipse.org/nebula/releases/2.2.0/"{#9}
unit org.eclipse.nebula.widgets.gallery.feature.feature.group version 1.0.0.201097151344;#9
unit org.eclipse.nebula.widgets.tablecombo.feature.feature.group version 1.2.0.310997151344;#9
unit org.eclipse.nebula.widgets.tablecombo.feature.feature.group version 1.2.0.310997151344;#9
ositoryLocation SubversionConnector url "http://community.polarion.com/projects/subversive/download/eclipse/funitorg.polarion.eclipse.team.svn.connector.feature.group version 6.04.120161211-1700;19 Unit org.polarion.eclipse.team.svn.connector.source.feature.group version 6.04.120161211-1700;19 Unit org.polarion.eclipse.team.svn.connector.sources.feature.group version 6.04.120161211-1700;19 Unit org.polarion.eclipse.team.svn.connector.sources.feature.group version 6.04.120161211-1700;19 Unit org.polarion.eclipse.team.svn.connector.swnkitl8.feature.group version 6.04.120161211-1700;19 Unit org.polarion.eclipse.team.svn.connector.swnkitl8.feature.group version 6.04.120161211-1700;19
```





Using content assist (ctrl + spacebar) will suggest the next possible keywords/steps.

1.2. Extending/Importing a tmodel file

It is possible to extend a tmodel by using the keyword "extends". That is especially useful for downstream projects which use the same dependencies as their main project in a tmodel. When a main project makes changes in a the tmodel, the tmodel of the downstream project which extends the main tmodel obtains these changes automatically.

The same principle is applicable when importing a tmodel, using the keyword "Import".

Chapter 2. Generating a target file

2.1. Saving the tmodel file

A target file can be generated in different ways. The easiest way would be by saving the tmodel file. The Overtarget generator then automatically generates a target file.



Generating a target file by saving the tmodel file only works when changes were made.

2.2. Using the button/context menu "Generate Target"

Another option to generate a target is using the button in the editor toolbar or in the context menu "Generate Target". A target file will be generated, also when no changes have been applied to the tmodel file.	
	Options to generate a target (highlighted)

2.3. Generating a referencedTarget

Sometimes when extending or importing another target, Eclipse cannot resolve the references and shows errors. It is not possible to generate a target with unresolved references. Overtarget solves the problem by generating a referencedTarget. In order to generate a referencedTarget, the repositoryLocation to the unresolved target has to be set with the keyword "ReferencedTarget".

There is a quick fix which suggests to generate a referencedTarget. Executing that quick fix or pushing the button "Generate Target" in the toolbar, will generate a referencedTarget. The target will also be set as an active Target to resolve all references.

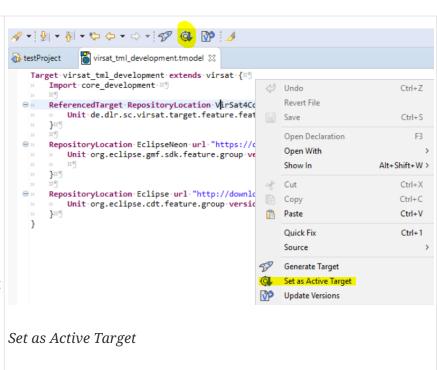


Generate referencedTarget

Now there should no longer be problems with unresolved references in the actual target. It can now be generated without complications.

Chapter 3. Setting a target file as active target

There are different ways to set a target as active target in eclipse. The usual way is to open the target file which opens the eclipse target editor. Here you can click on "Set as Active Target Platform". If you want to set your target directly from the tmodel editor you can use the button "Set as Active Target" in the editor toolbar or in the context menu. The target will be automatically loaded and set as the active target platform.



Chapter 4. Other useful stuff

4.1. Updating versions