

# Installation HOWTO for CDK-Taverna 0.5.1.1 in Taverna 1.7.2

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## Keywords

Cdk, Taverna

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## chem-bla-ics

Thomas made a [new release of CDK-Taverna](#) for the Taverna 1.7.2 release, which is great news as the previous release was for Taverna 1.7.1.

He asked me to test it, and I installed a fresh Taverna install and the new plugin. After that, I used the [MyExperiment](#) plugin to download one of the [CDK-Taverna workflows Thomas has on MyExperiment](#), and tuned it a bit to use some local input instead of the database. I took some screenshots while at it, and will use those now to talk you through the installation of Taverna and the [CDK-Taverna](#) plugin.

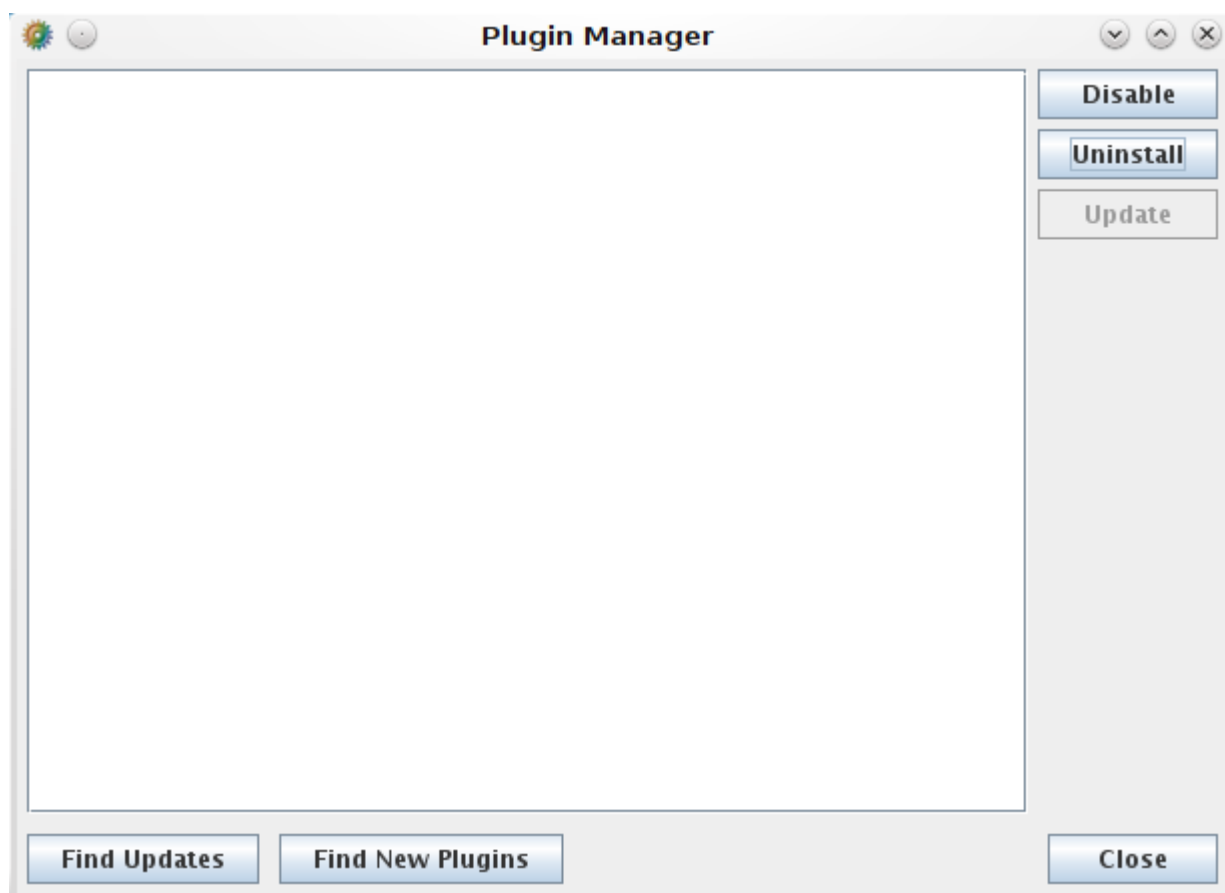
## Download Taverna

Taverna 1.7.2 can be downloaded from [this download page](#), but I took the Linux version from the [SourceForge download site](#). I cannot detail the OS/X or Windows installation, but on Linux you simply unzip the downloaded file, and you're ready to go:

```
$ cd taverna-1.7.2/  
$ sh runme.sh
```

## Plugin Installation

Plugins can be installed using with the *Plugin manager* which can be accessed via the *Tools* menu:



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Clicking the *Find New Plugins* takes you to a second dialog listing known plugin sites, and the default download has several already:

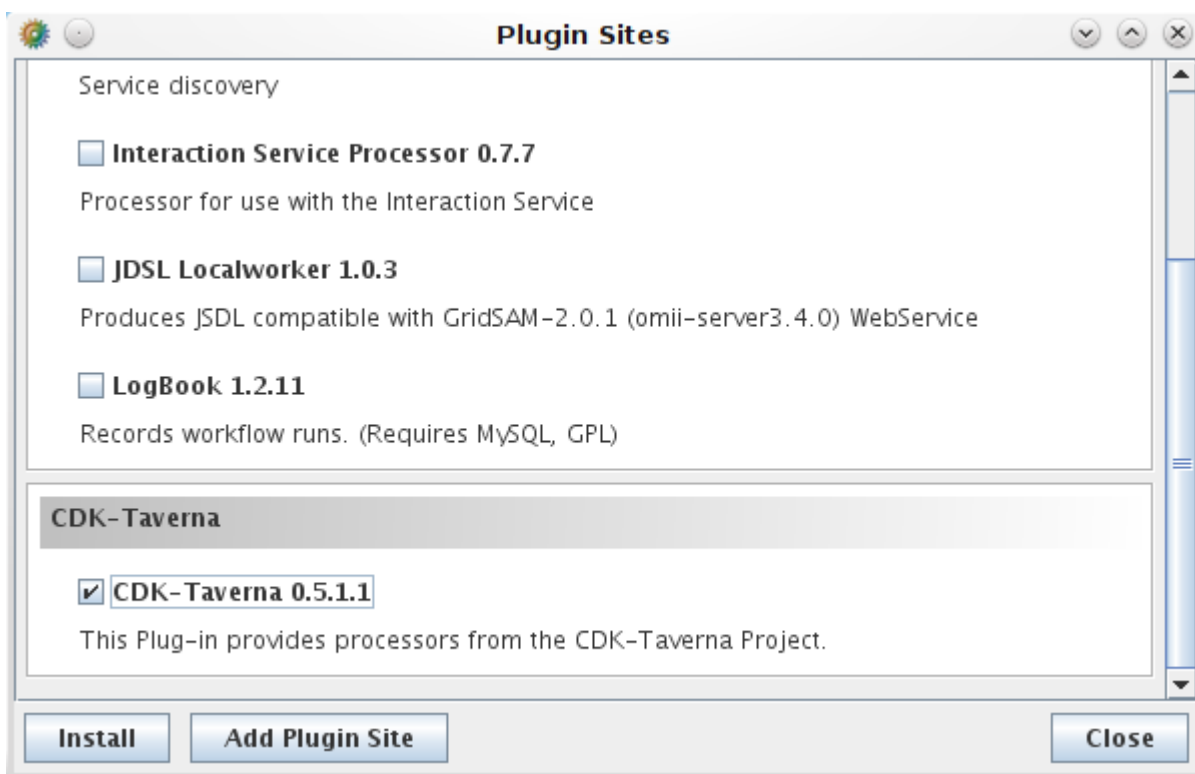


The CDK-Taverna update site is available at <http://cdk-taverna.de/plugin/>, and we can make Taverna aware of this update site by clicking the *Add Plugin Site* button:

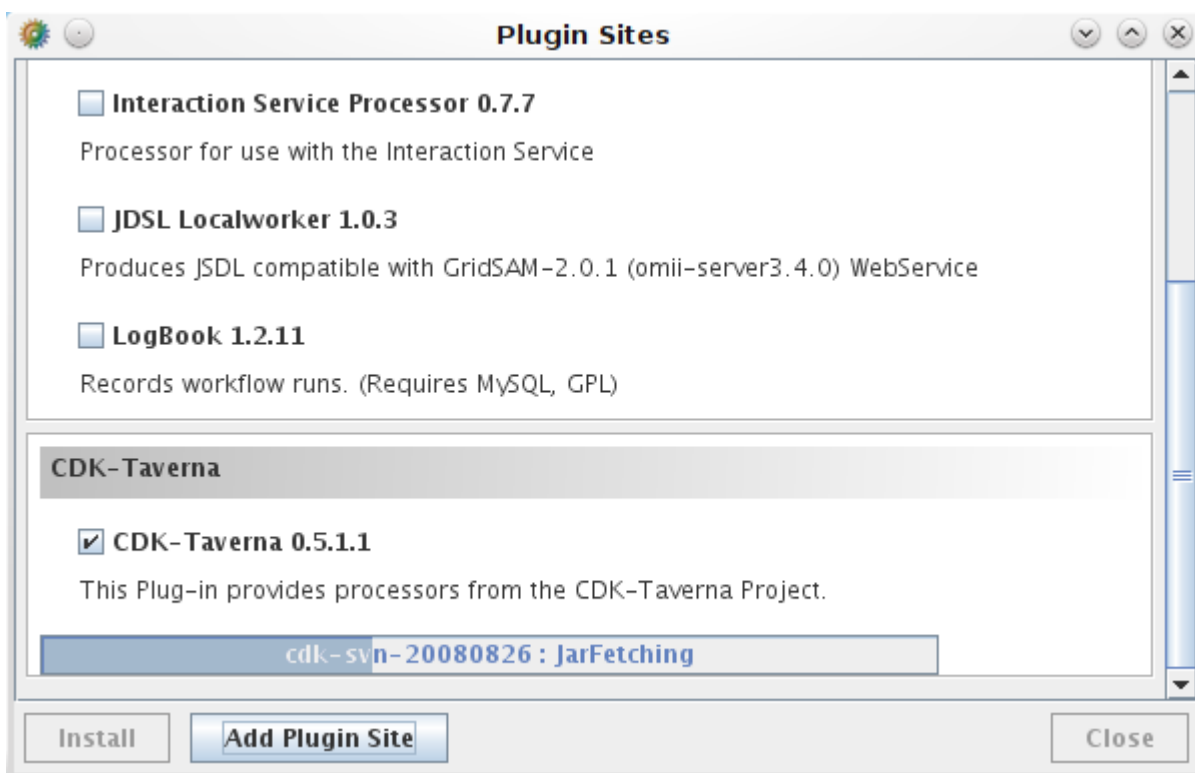


After filling out these values and approving it with the *OK* button, it will show up on the dialog showing all available plugins, where you need to check the check box in front of the CDK-Taverna plugin name, as done in this screenshot:

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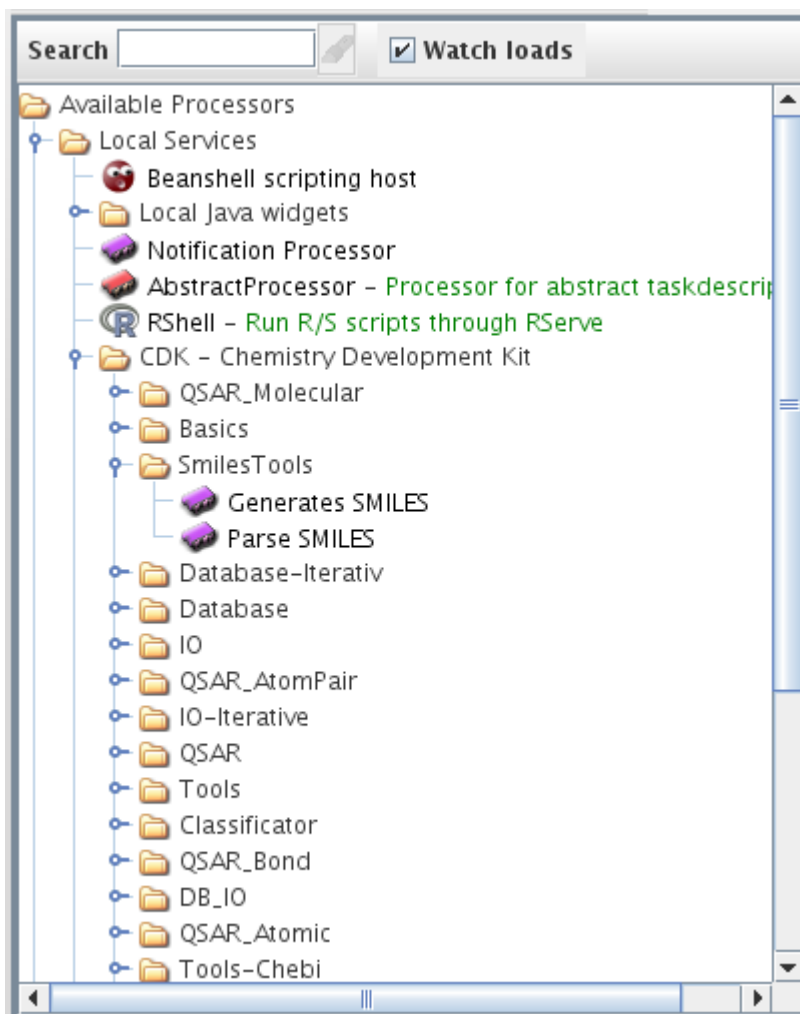


You can then hit the *Install* button after which the plugin will be downloaded:



After it is done downloading the plugin, you can close the *Plugin Sites* and *Plugin Manager* dialogs. I shutdown and restarted Taverna with `sh runme.se`, but not entirely sure this is needed. After that, the CDK nodes showed up in the list of Taverna processors:

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## MyExperiment Plugin

Using the same Taverna *Plugin Manager* you can also install the MyExperiment plugin that allows you to search, browse, preview and download Taverna workflows from the MyExperiment website from within Taverna itself. I installed the plugin, and then used it to search for CDK workflows (and downloaded a QSAR workflow):

The screenshot shows the myExperiment interface. At the top, there are tabs for 'Design', 'Results', and 'my myExperiment (beta)'. Below this, there are tabs for 'Search Workflows' and 'Tags Browser'. Under 'Search Workflows', there are sub-tabs for 'Example Workflows' and 'Latest Workflows'. A search bar contains the text 'cdk' and a 'Search' button. Below the search bar, it says '21 workflows found for 'cdk'' with 'Clear' and 'Refresh' buttons. The first workflow listed is 'QSAR workflow to measure the time used for ca' by 'Thomasku'. It includes a workflow diagram and a description: 'This workflow loads molecules from a database, goes through the atom typing, gets its exact detection of the hueckel aromaticity. After properties will be calculated. The output is a qsar vector as a csv file and a file which contains the calculation of each qsar property.' Below the description is an 'Open in myExperiment' button. The second workflow is 'Atom typing of molecules from database (version 1.0)' by 'Thomasku'. It includes a workflow diagram and a description: 'This workflow loads molecules from a database. For each molecule the atom type gets perceived. There are a couple of text files. The first text file contains the atom types of all molecules which are loaded from the database. The second text file contains the molecule id and the atom weights. The last output file, a pdf, contains all structures which caused problems during the atom typing of molecules.' Below the description is an 'Open in myExperiment' button. At the bottom of the interface, there are 'Preview' and 'Open' buttons for each workflow.

This is about everything to get you going. It's not particularly rocket science, but I guess this howto is useful as you get to see what you should expect when setting up a CDK-Taverna environment. If you have further questions, please leave those in the comments section, and I'll try to merge in answers where possible, or otherwise in the reactions too.