

# Installation of CatLite

Friday, January 09, 2015

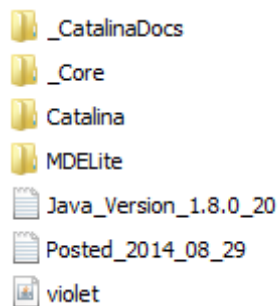
This document describes how to install CatLite, a next-generation of MDELite and prototype for an IDE plug-in. CatLite is presently a windows-only tool.

## Download

Point your browser to: <http://www.cs.utexas.edu/users/schwartz/MDELite/index.html> and click on the Catlite download link. You will download a 7zip file; [the 7zip tool is free](#).

## Unzip

Unzipping the download yields a single directory, Categories, whose content is:



- **\_CatalinaDocs** is where you'll find this document, and others.
- **\_Core** is the framework of Catalina.
- **Catalina** is the framework extension that allows you to build other MDE applications. Catalina was used to bootstrap itself.
- **Java\_Version** – indicates the version of java that produced this version of Catalina.
- **Posted** – the day that this version was released
- **Violet** is an old version of the violet UML diagram tool. Eventually, this will be replaced with the current version.

Warning: make sure that you use the indicated version of Java. I've noticed that it really DOES make a difference.

## Environment Variables

Catalina tools rely on the following environment variables:

- **CATLIB** – the path to the Categories directory.
- **GVIM\_EXE** – currently set to a dummy xxx.exe. You won't need this
- **JAVA\_EXE** – the java executable.
- **SWIPL\_EXE** – the SWI Prolog console; [download SWI Prolog here](#).

- **SWIPL\_WIN\_EXE** – the SWI Prolog windows application; [download SWI Prolog here](#).
- **BROWSER\_EXE** – currently set to a dummy yyy.exe. You won't need this.
- **CLASSPATH** – should include all .jar files in the Categories (**CATLIB**) directory
- **PATH** – should include paths to all 4 of the above executables.

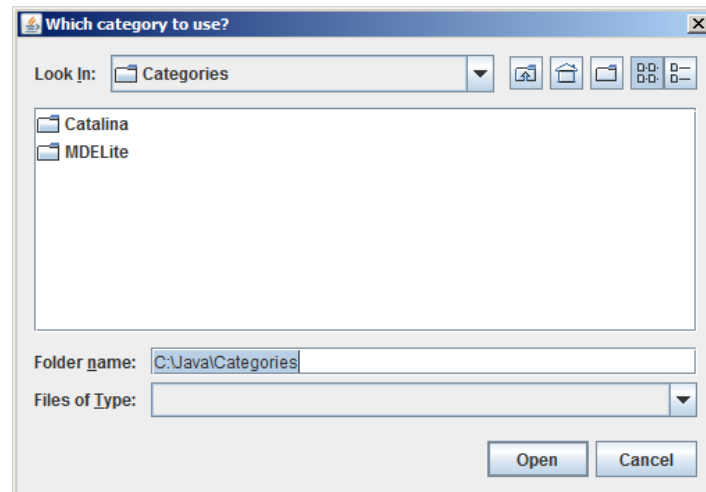
Here is how I make these settings in Windows – I run a [batch file, which spawns a command-line window with these settings](#). You need to set the environment variables to values that represent your environment. Place a shortcut to this batch file on your desktop. Clicking it will launch a DOS window with all Catalina settings ready to go.

## CheckEnvironment

Launch a DOS window and run `CatCore.CheckEnvironmentLite`. This program verifies if the Catalina tools can invoke your programs.

```
> java CatCore.CheckEnvironmentLite
```

Doing so, you'll be asked what category you will be using. In Catalina, each category is a program that can invoke any number of executables. Doing so yields the dialog below. The directories listed are Catalina applications. Click on **Catalina**.



If everything is correct, you'll see some chatter and a SWI-Prolog window pop-up followed by a launching of the Violet UML diagram editor. You should see this output:

```
C>java CatCore.CheckEnvironmentLite
Testing SWIPL_EXE and CATLIB ... Stdout : OK.
OK
```

```
Testing JAVA_EXE ... Stdout : If you see this line, JAVA_EXE is
correct.
OK
```

```
Testing SWIPL_WIN_EXE ... you should see a SWIPL_WIN window.  If
so,                                close                                it.
OK
```

```
testing violet ... you should see a browser window.  If so, close
it.
```

CatCore is Ready to Use!

## Violet

I recommend that you create [a DOS batch file for invoking violet](#). Here's the incantation (in batch file format – which says fork a window for the Violet Java UMLeditor):

```
@start java com.horstmann.violet.UMLeditor
```

Place a shortcut to this batch file on your desktop for easy access.

## Updates

If you find any deviation from the above, or have questions, or have recommendations, please contact me ([Don Batory](#)).