**Configuring wala with tsmart-da project**

DATE: 2016.3.22

CONTENT: Procedures to configure wala with tsmart-da project. Currently for the tracer.

Prerequisites

WALA relies on Java 7 to run. In order to compile all the test code from source, Java 8 is required.

Getting the code

Suppose the root dir of tsmart is $TsmartRoot.

First create dir: $TsmartRoot/cn.edu.thu.tsmart.tool.da.wala/

Enter this dir, open git bash and run:

git clone <https://github.com/wala/WALA.git>

This will create a new folder “WALA” under this directory.

Building the code

To get started, we concentrate on a core subset of WALA for standard Java analysis:

\* com.ibm.wala.core (core WALA framework support)

\* com.ibm.wala.shrike (Shrike bytecode manipulation library)

\* com.ibm.wala.util (general utilities (post WALA 1.3.2))

Configuring WALA properties

1. In the com.ibm.wala.core project, you need to copy the file [dat/wala.properties.sample](https://github.com/wala/WALA/tree/master/com.ibm.wala.core/dat/wala.properties.sample?view=markup" \o "https://github.com/wala/WALA/tree/master/com.ibm.wala.core/dat/wala.properties.sample?view=markup) to dat/wala.properties.
2. You need to then edit wala.properties to reflect your environment. See the properties file for the detailed instructions on what properties you must set.

Note：For beginners, we recommend you set the “java\_runtime\_dir” property (which is mandatory) and the “output\_dir” property (required for some tests below like PDFTypeHierarchy). Note that **the directory specified for output\_dir must exist on the filesystem**; WALA will not create it.