

# **Installation manual for the regression test environment of the ASF+SDF MetaEnvironment**

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## 1 Contents of CD

ATerm	This directory contains the file aterm-1.6.jar. This JAVA implementation of the ATerm allows the \$ symbol used in the logpoint messages. This version will be used in new versions of the ASF+SDF MetaEnvironment.
Bin	This directory contains extra executable files for the ASF+SDF MetaEnvironment.
Share	This directory contains the files needed to perform the integration test for the ASF+SDF MetaEnvironment.
Sources	This directory contains the source files of the tools needed to perform the integration test.

## 2 Installation Guide

1. The files in the bin directory should be placed inside the bin directory of the ASF+SDF MetaEnvironment. The paths used in the files should be changed to work on the computer on which the test environment is installed. It might be wise to add the files to the make file of the ASF+SDF MetaEnvironment.
2. The directories in the share directory should be placed inside the share directory of the ASF+SDF MetaEnvironment.
3. The new ATerm should replace the ATerm already present on the computer in case the logger tools can't handle the \$ symbol.

## 3 Process list

The metalogger starts with a screen, in which the processes can be selected that are monitored during the test. When the names of processes change, or processes are add or deleted, this list may need to change. To change the list, simply edit the file "*share\meta-test\processlist.atl*". The patterns, for the processes in this list, consist of two parts. The process name and a number:

```
process("process name",0)
```

The number has two settings:

process("process name", <i>0</i> )	Process standard deselected.
process("process name", <i>1</i> )	Process standard selected.

By setting the process to standard selected, each time the metalogger starts the process will be selected. At that point the process can still be deselected. By using this option for making different tests, which should use the same processes, the selecting procedure only has to be done once.

## 4 Settings

The integration test environment has two settings that can be changed. To change these settings, the file “\share\meta-test\playbacksettings.atl” should be edited.

### 4.1 Verbose mode

This option allows to see the progress of the metaplayback tool.

setting("verbose", <i>0</i> )	Verbose modus disabled.
setting("verbose", <i>1</i> )	Verbose modus enabled.

### 4.2 Timer

This option allows to set the timer used by the metaplayback tool. For the tests that are carried out, 2 seconds was enough. It might be needed to change this setting when big terms are reduced.

setting("timer", <i>X</i> )	X is the number of seconds the metaplayback tool has to wait before generating an event.
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## 5 Changing terms

Terms that are allowed to change can be set as changing terms in the file “\share\meta-test\changingterms.atl”. In this file patterns can be specified to identify the different changing terms.

At the moment there are three kinds of placeholders that can be used:

__changing_int__	To allow an integer value.
__changing_str__	To allow a string value.
__constant_str__	To make sure the same value is present in the recording and in the playback.

A pattern starts with the process that sends the messages. A changing term looks like this:

*“Ui;add-statusf("\_\_changing\_int\_\_","\_\_constant\_str\_\_","\_\_constant\_str\_\_")”*

This message is for the *Ui* and must always have the same string parts, but the integer value at the start of the message can change.