AUTOMATED UI TESTER FOR ADOBE®

ACTIONSCRIPT®

HOW TO BUILD THE TOOL FROM SOURCE CODE

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Adobe Systems Inc.

Contents

Automated UI Tester for Adobe® ActionScript®: How to build the tool from source code

Build Library for Automated UI Tester

The Genie Library is built using an Ant script. Please ensure the following prerequisites are met for building the component:

- Apache Ant 1.7.1 or above
- Adobe Flex SDK 4.5.1 or above
- Create the environment variable "FLEX_HOME_4_5_1" pointing to the root folder of the Flex SDK. Example: C:\Program Files\Adobe\Adobe Flash Builder 4.5\sdks\GenieFlexSDK4_5_1

The Ant build file is located at: *<Source Root>*\Preload\GeniePreload\GenieLibBuild.xml

Navigate to this folder and execute the target to create the Library. The target to execute is "Preload.BuildPreload". The output will be created in the following folder:
<Source Root>\Preload\GeniePreload\bin\Web\

The project can also be built using Adobe Flash Builder.

Build Server for Automated UI Tester

Genie Server is built using an Ant script. Please ensure the following prerequisites are met for building the component:

- Apache ANT 1.7.1 or above
- JDK 1.5 or above

The Ant build file is located at:
<Source Root>\ GenieTool\GenieSocketServer\GenieSocketServer_Build.xml

Navigate to this folder and execute the target to create Server jar. The target to execute is "GenieSocketServer.CreateJar". The output will be created in the following folder:
<Source Root>\GenieTool\GenieSocketServer\

Build Eclipse Plugin for Automated UI Tester

The UI for this tool is provided as a loadable plugin for Eclipse. The plugin is built using an Ant script. Please ensure the following prerequisites are met for building this component:

- Apache ANT 1.7.1 or above
- JDK 1.5 or above
- Eclipse 3.5 or above
- Set the environment variable ECLIPSE_HOME to point to the Eclipse root folder. Example: C:\Eclipse

The Ant build file is located at:
<Source Root> \GenieTool\GeniePlugin\Plugin_Build.xml

Navigate to this folder and execute the target to create Plugin.jar. The target to execute is "Plugin.CreateJar". The output will be created in the following folder:
<Source Root>\ GenieTool\GeniePlugin\Build\product

Build Executor for Automated UI Tester

Executor is built using an Ant script. Please ensure the following prerequisites are met for building the component:

- Apache ANT 1.7.1 or above
- JDK 1.5 or above

The ant build file is located at:
<Source Root>\ GenieTool\Executor\Executor_Build.xml

Navigate to this folder and execute the target to create Executor jar. The target to execute is "Executor.CreateJar". The output will be created in the following folder:
<Source Root>\ GenieTool\ Executor \

Generate JavaDocs for Automated UI Tester

The Genie source files are commented to generate JavaDocs for the exposed API. To generate the JavaDocs, an ant file is provided. Please ensure the following prerequisites are met for generating the JavaDocs:

- Apache ANT 1.7.1 or above
- JDK 1.5 or above

The ant build file is located at:
<Source Root>\GenieTool\CommonLibs\CommonUtils\CommonTasks.xml

Navigate to this folder and execute target to create JavaDocs Zip file. The target to execute is "CommonTasks.GenerateJavaDocs". The output will be created in following folder:
<Source Root>\GenieStagingArea\GenieDocs

Package the Complete Build

After generating all the components mentioned above, all the components can be packaged in a defined folder structure and in a Zip file using another ant file provided. Please ensure the following prerequisites are met for packaging the build:

- Apache ANT 1.7.1 or above
- JDK 1.5 or above
- All the above-mentioned components have been generated

The ant build file is located at:
<Source Root>\GenieTool\CommonLibs\CommonUtils\CommonTasks.xml

Navigate to this folder and execute target to create JavaDocs Zip file. The target to execute is"CommonTasks.CreateGenieStage". The output will be created in following folder:
<Source Root>\GenieStagingArea\