Examples Releaser

CSi.Testing

Exported on 06/26/2018

Table of Contents

On this page:

1 Purpose

The purpose of the ExamplesReleaser is to automate the process of creating a collection of model files and any supporting files needed that are to be shipped with a given program. This is done by checking all model control *.xml files of the appropriate program and copying it if the file indicates if it is appropriate for release.

> (i) Currently only the standard suites under the directory names 'Analysis' and 'Design' are checked for efficiency as these are the only ones that have shipped examples. In the future, an overwrite can be provided for specifying additional suites to check.

> (i) Currently the directory names and file names used are those in source control. Mapping of currently shipped names to source control ones has not been done as they are irregular between programs and sub-suites, and it is intended that as this new testing functionality is incorporated, the new consistent naming convention will be used.

1.1 Release Criteria

The criteria for this are:

1. Model is of the specified program
2. Model is complete: //model/@status = done
3. Model is public: //model/@is_public = yes
4. Model is not turned off: //model/keywords does not contain /keyword = "exclude from regression testing"

2 Distribution

The ExamplesReleaser can be distributed both as a *.dll library for use in other programs, as well as in a console *.exe program for command line use.

3 Command Line Operation

The console program includes a default *.xml configuration file, described at ExamplesReleaser.Config.xml (see page 7). Values can be changed, added, and removed in order to control the program.

Config files of other names or at other locations may be used as alternative means of controlling the program. These can be specified through the command line.

For the console program to work correctly, it can be located anywhere, but the correct relative path to model source and release destinations must be provided in the configuration file as the defaults are not expected to be valid.

3.1 Overview

ExamplesReleaser.exe can be run with a number of command line parameters using the following format:

```
ExamplesReleaser.exe "config file name or path"
```

The command line parameters are listed below.

3.1.1 File Name

Syntax:

```
ExamplesReleaser.exe "config file name"
```

Causes the program to read the specified configuration file, assumed to be located at the location of the program.

3.1.2 File Path

Syntax:

```
ExamplesReleaser.exe "config path\file name"
```

Causes the program to read the specified configuration file at the absolute path given.

4 ExamplesReleaser.Config.xml

This page is used to document the schema for the XML config file used for ExamplesReleaser settings.

On this page:

-

4.1 Description of individual XML elements

XML Element	Multiple?	Optional?	Description
/**examples_release**			Root element.
/examples_release/ **application**			Application name.
/examples_release/ **path_source**		Y	The path to a root directory to check for examples to release. Choosing a more specific root will reduce processing time. Default is relative to program or assembly as: **.. \Verification**
/examples_release/ **path_release**		Y	Path to copy the released examples to. Default is relative to program or assembly as: **.\ {Application Name}\Verification**

TODO: Consider override to _standardSuites of 'Analysis' and 'Design'.