

## LEGAL

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## **VERSION HISTORY**

### **CHANGES IN V3**

- Additional registry locations checked for add-in keys

### **CHANGES IN V2**

- Searches HKLM for Sparx keys as well as HKCU
- Pop-up added to make it easier to read

### **PURPOSE**

EA Installation Inspector is a small utility for developers to search the registry to check information about current EA AddIn's.

## RUNNING EA INSTALLATION INSPECTOR

The program is a windows application that will present the user with basic information about the installed environment and version together with a list of the EA Addin keys found in the registry with details of the relevant classes/DLLs - similar to the screen shot below.

EA Installation Inspector Version 3

OS: 64-bit detected EA Version: 12.1.1230 EA Install location: C:\Program Files (x86)\Sparx Systems\12\EA

AddIn Name	Sparx ...	Class (Assembly name)	Source	CLSID	Source	DLL
DLLTester	HKCU	DLLTester.DLLTester	HKLM	{808BF144-45AC-3B17-938D-789A62BE4947}	HKLM	file:///C:/Users/ExploringEA/Documents/Visual Studio 2012/Projects/T
eaForms	HKCU	eaForms.eaForms	HKLM	{406ECD77-7AB8-3D09-BD57-E818C682A0DC}	HKLM	file:///C:/Users/ExploringEA/Documents/Visual Studio 2012/Projects/e
eaProject	HKCU	eaProject.eaProject	Not found			
Script Tester	HKCU	Script Tester.Script Tester	Not found			
Tab Testing	HKCU	EATab Testing.EATab Tester	Not found			
Test Addin	HKCU	TestAddIn.TestAddIn	Not found			
eaForms	HKLM	eaForms.eaForms	HKLM	{406ECD77-7AB8-3D09-BD57-E818C682A0DC}	HKLM	file:///C:/Users/ExploringEA/Documents/Visual Studio 2012/Projects/e
Eclipse	HKLM	EclipseLink.EclipseAddIn	HKLM	{8278799C-58F8-4a15-9306-EB525436F066}	HKCR	C:\Program Files (x86)\Sparx Systems\12\EA\EclipseLink.dll
ho_Replace	HKLM	ho_Replace.Main	HKCU	{914D828C-C468-32CD-8CFC-DBD1F3A1D1A1}	HKCU	file:///C:/Users/ExploringEA/AppData/Local/Apps/ho_Replace/ho_Re
ho_Tools	HKLM	ho_Tools.ho_ToolsAddInClass	HKCU	{0A123D7C-62F2-3675-B2B7-6AA79E974C1C}	HKCU	file:///C:/Users/ExploringEA/AppData/Local/Apps/ho_Tools/ho_Tools
Visual Studio	HKLM	EAVSBridge.EAVSAddIn	HKLM	{48D5529E-80EE-41F6-971C-689BDC75753F}	HKCR	C:\Program Files (x86)\Sparx Systems\12\EA\VSLink2.dll

Help Refresh Copy current list image to clipboard

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Each row represents an AddIn entry – and for a valid entry will display all of:

- The AddIn Name
- The location of the Sparx AddIn key within the windows registry
- Class(Assembly name) - Addin entry class
- (CLSID ) Source – the location where the ClassID is defined in the registry
- CLSID – Class ID – as defined when the class was registered
- (DLL) Source – the location where the DLL is defined in the registry

- DLL – Full file name for the AddIn DLL

In some cases, and as illustrated in the screen shot not all entries are complete; it may be that the AddIn is working or correctly installed and to help see any issues each row is coloured to reflect the status of the entry.

- Green – OK - the AddIn DLL has been found and the keys exist in the same hive; we assume that AddIn will be found by EA.
- Cyan – indicates that all the keys look file but the DLL file does not exist at the specified location
- Magenta – means that no Class ID is set for the AddIn, hence the DLL cannot be indentified
- Red – indicates that CLSID and DLL are specified in different registry Key Sections
- Yellow – means that the DLL path is not set so cannot be found

## FUNCTIONS

The program will automatically perform the search and present the list of AddIn's when run. The following functions are available by accessing the buttons at the bottom of the screen dialog.

- **Help** – will present this document
- **Refresh** – will redo the search to reflect any changes that the user many have made to their system
- **Copy current list image to clipboard** – will copy the current list as an image to the clipboard for those times when the user may wish to forward to others.
- **EXploringEA.com** – will launch the default web browser with our blog page. You can also find contact information on this site should you wish to contact us

## POP-UP ENTRY DETAILS FORM

It can sometimes be difficult to see all the information in a row so you can now **double\_click** an entry and a form (similar to that illustrated below) is presented with the values more readily seen.

EA AddIn Entry

AddIn name: eaForms Sparx entry: HKCU

Class source: HKLM Class: eaForms.eaForms

Class ID source: HKLM Class ID: {45E263BB-15CA-381A-A0BE-8F7E0E40BDA4}

DLL: file:///C:/Users/EXploringEA/Documents/Visual Studio 2012/Projects/eaForms/eaForms\_Feb2017/eaForms/bin/x86/Debug/eaForms.DLL

Copy to clipboard Close

## ASSUMPTIONS AND METHOD

As we don't have access to the Sparx Code which loads the AddIn's, it is assumed that AddIn's registry keys are specified in locations under "Sparx Systems\EAAddins" within either in HKCU or HKLM in the registry.

Using the list of Addins found in those locations we use the the list of classes and search in the registry to find the related classes and their DLL's. The searches for the CLISD and DLL are restricted to HKCU and HKLM.

The output of the program is a list of AddIn's as detailed above and illustrated in the screen shot above.