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CHANGES IN V3

- Additional registry locations checked for add-in keys

CHANGES IN V2

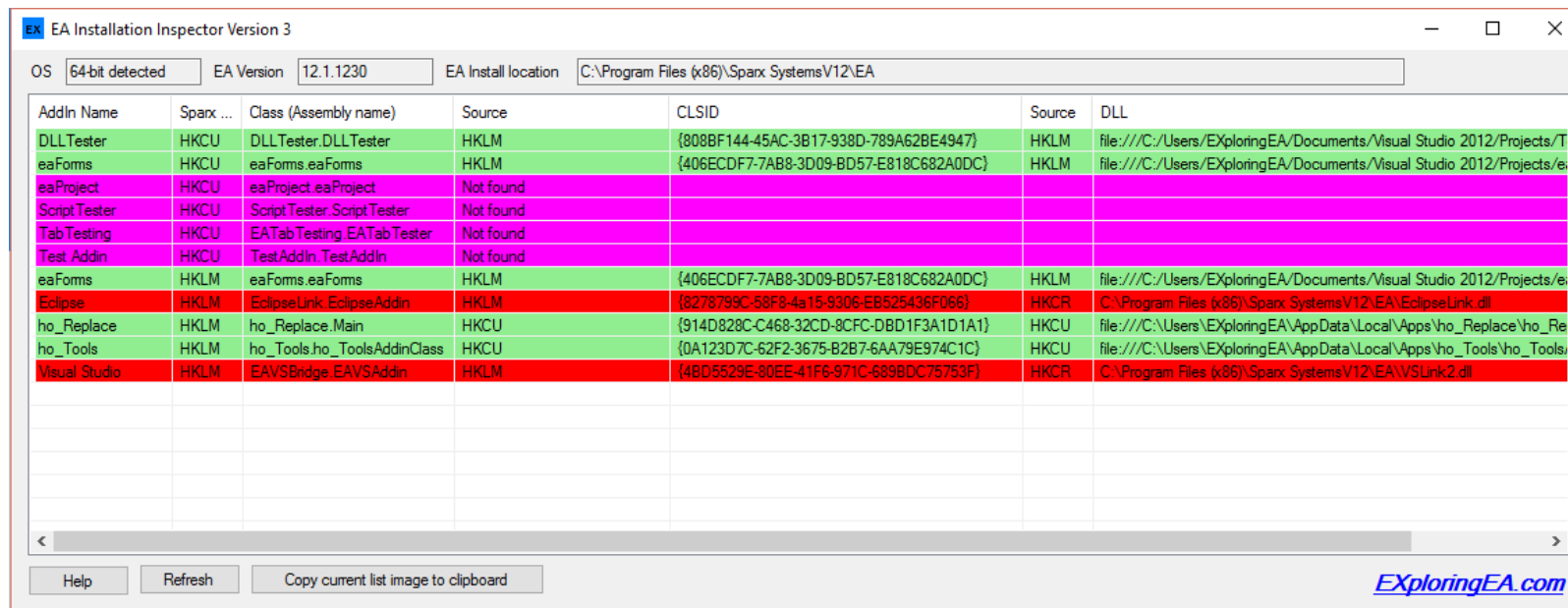
- Searches HKLM for Sparx keys as well as HKCU
- Pop-up added to make it easier to read

PURPOSE

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

RUNNING EAINSTALLATIONINSPECTOR

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.



The screenshot shows the EA Installation Inspector Version 3 application window. At the top, there are fields for OS (64-bit detected), EA Version (12.1.1230), and EA Install location (C:\Program Files (x86)\Sparx SystemsV12\EA). Below these fields is a table with 7 columns: AddIn Name, Sparx ..., Class (Assembly name), Source, CLSID, Source, and DLL. The table contains several rows of data, with some rows highlighted in red and others in green. At the bottom of the window, there are buttons for Help, Refresh, and Copy current list image to clipboard, and the ExploringEA.com logo.

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-EB525436FD66}	HKCR	C:\Program Files (x86)\Sparx SystemsV12\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 SystemsV12\EA\VSLink2.dll

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 complet; 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 FOR SINGLE ENTRY

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.

The screenshot shows a Windows-style dialog box titled "EA AddIn Entry". It contains several input fields for configuring an add-in entry. The "AddIn name" field is set to "eaForms" and is highlighted with a blue border. The "Sparx entry" field is set to "HKCU". Below these, there are two rows of fields: "Class source" and "Class" (both set to "eaForms.eaForms"), and "Class ID source" and "Class ID" (both set to "HKLM" and "{5C11EA36-7F40-313D-831B-0E89A222576D}" respectively). At the bottom, there is a "DLL" field containing the path "file:///C:/Users/ExploringEA/Documents/Visual Studio 2012/Projects/150010/eaForms90/eaForms/bin/x86/Debug/eaForms.DLL". A "Close" button is located in the bottom right corner.

AddIn name	eaForms	Sparx entry	HKCU
Class source	HKLM	Class	eaForms.eaForms
Class ID source	HKLM	Class ID	{5C11EA36-7F40-313D-831B-0E89A222576D}
DLL	file:///C:/Users/ExploringEA/Documents/Visual Studio 2012/Projects/150010/eaForms90/eaForms/bin/x86/Debug/eaForms.DLL		

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 CLSID 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.