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Contact: eaforms@EXploringEA.co.uk

VERSION HISTORY

CHANGES IN V4

- Added form to display **list of classes and methods** retrieved from the DLL.

CHANGES IN V3

- Additional registry locations checked for add-in keys

CHANGES IN V2

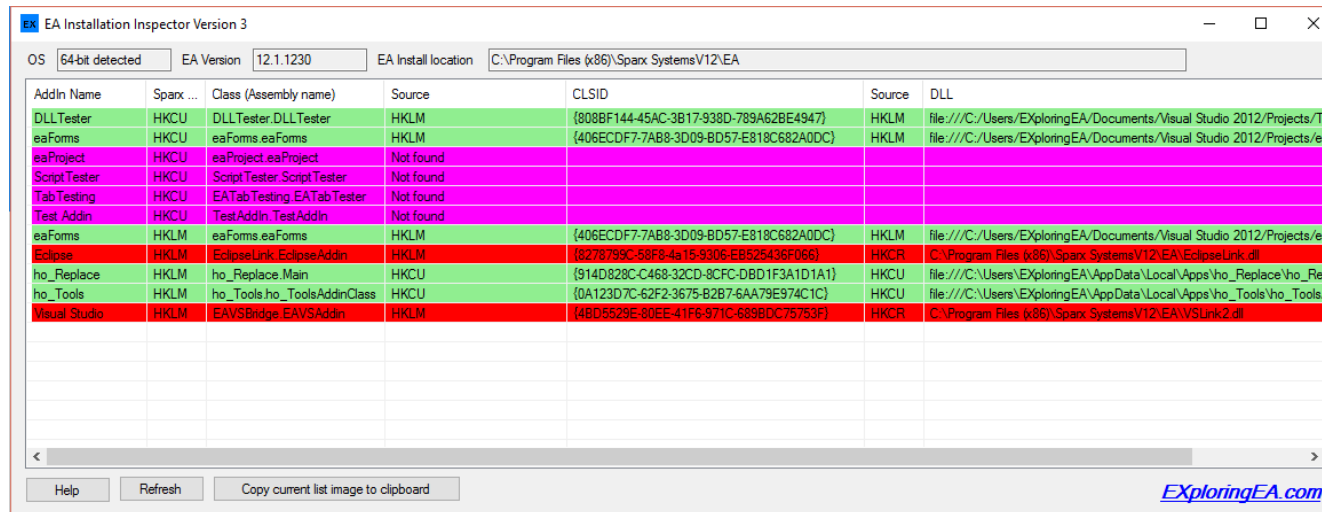
- Searches HKLM for Sparx keys as well as HKCU
- Pop-up added to make it easier to read

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.



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 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.

The screenshot shows a Windows-style dialog box titled "EA AddIn Entry". It contains several text input fields and a large text area. The fields are labeled as follows:

- 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/adrian/Documents/Visual Studio 2012/Projects/eaForms/eaForms_Feb2017CE/eaForms/bin/x86/Debug/eaForms.DLL

At the bottom of the dialog, there are three buttons: "Copy to clipboard", "Get list of classes and methods" (which is highlighted with a blue border), and "Close".

On this form buttons are provided to:

- **Copy to clipboard** – this will copy the form screen shot to the windows clipboard
- **Get list of classes and methods** – launches a new form that will display the information – see below.

GET LIST OF CLASSES AND METHODS

If the selected EAAddin Entry has a valid DLL and the file current exists, then this form (screenshot below) will inspect the DLL and present information about the available public classes and methods. This can be useful to ensure that required public methods are available as well as show all those methods that don't need to be public! The select all and copy to clipboard allows the user to capture all of the entries including those not visible, to the windows clipboard. This can be useful further analysing the entries (what we do is to copy the text into a text editor, save the file with a .csv extension and then open in a spreadsheet to restore the columns).

Index	Public class	Public methods
1	eaForms.My.MyApplication	No Methods
2	eaForms.My.MyComputer	No Methods
3	eaForms.My.MyProject	eaForms.My.MyComputer get_Computer() eaForms.My.MyApplication get_Application() Microsoft.VisualBasic.ApplicationServices.User get_User() MyWebServices get_WebServices()
4	eaForms.My.MyProject+MyWebServices	Boolean Equals(System.Object) Int32 GetHashCode() System.Type GetType() System.String ToString() T Create_Instance__T Void Dispose_Instance__[T](T ByRef)
5	eaForms.My.MyProject+ThreadSafeObjectProvider`1[T]	T get_GetInstance() System.String get_Value(System.Collections.Generic.IEnumerable`1[System.Xml.Linq.XEle]

Select all and 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.