Locating References within ArchestrA Symbols

Introduction

This *Tech Note* explains how to search for and locate references contained in ArchestrA Symbols. One reason that this might be needed is if the InTouch tagname gets changed and the integrator would like to find all the references to that InTouch tagname that appear in ArchestrA Symbols.

References in ArchestrA Symbols can be found in the following places.

- **ArchestrA Symbol Custom Properties in the InTouch Window**

- **In a Link Defined within an ArchestrA Symbol**

Application Versions

- Wonderware Application Server 3.0 and later

ArchestrA Symbol Custom Properties in the InTouch Window

You can search for references by using the following methods:

- **Use the WindowMaker Cross Reference**

- **Use the WindowMaker Printout (Print to File)**

Use the WindowMaker Cross Reference

For this example, the Custom Property for the ArchestrA Symbol **TestSym1** in the InTouch window is set to **sectag**. Sectag is an InTouch Memory Integer tag (Figure 1 below).
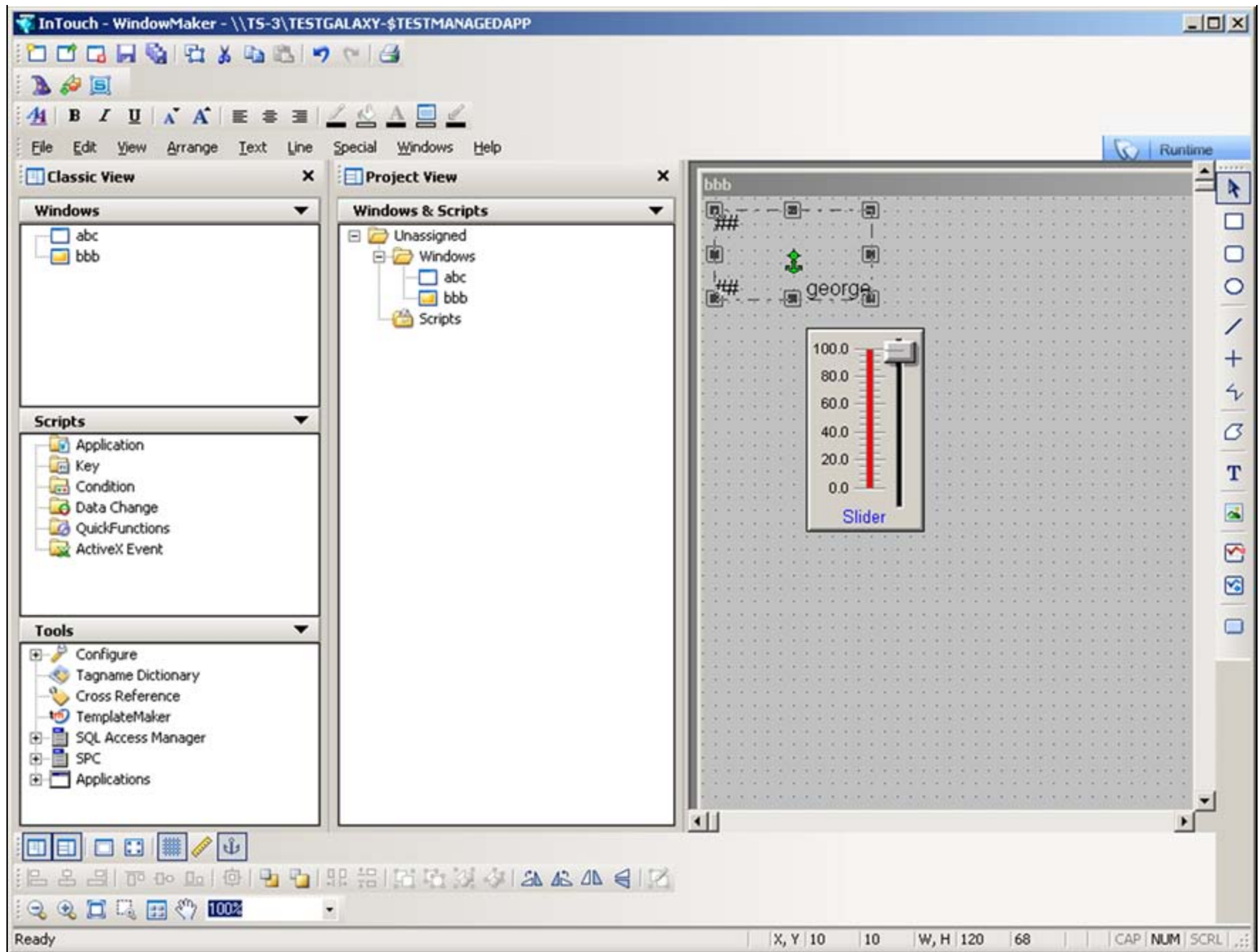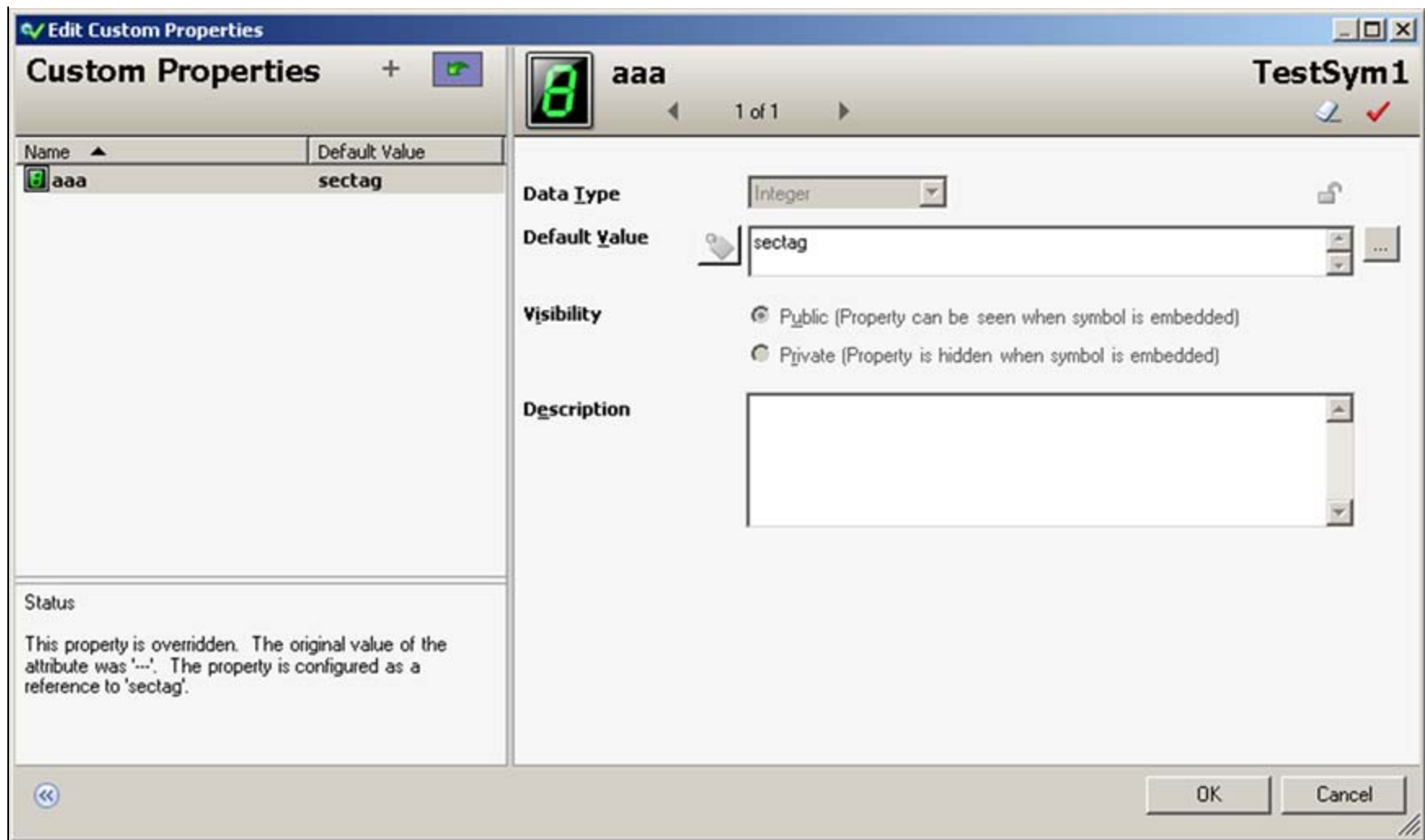
FIGURE 1: TEST SYMBOL

FIGURE 2: SECTAG CUSTOM PROPERTY

1. Run the **InTouch WindowMaker Cross Reference Tool** and type the InTouch tagname in the **Filter** field.
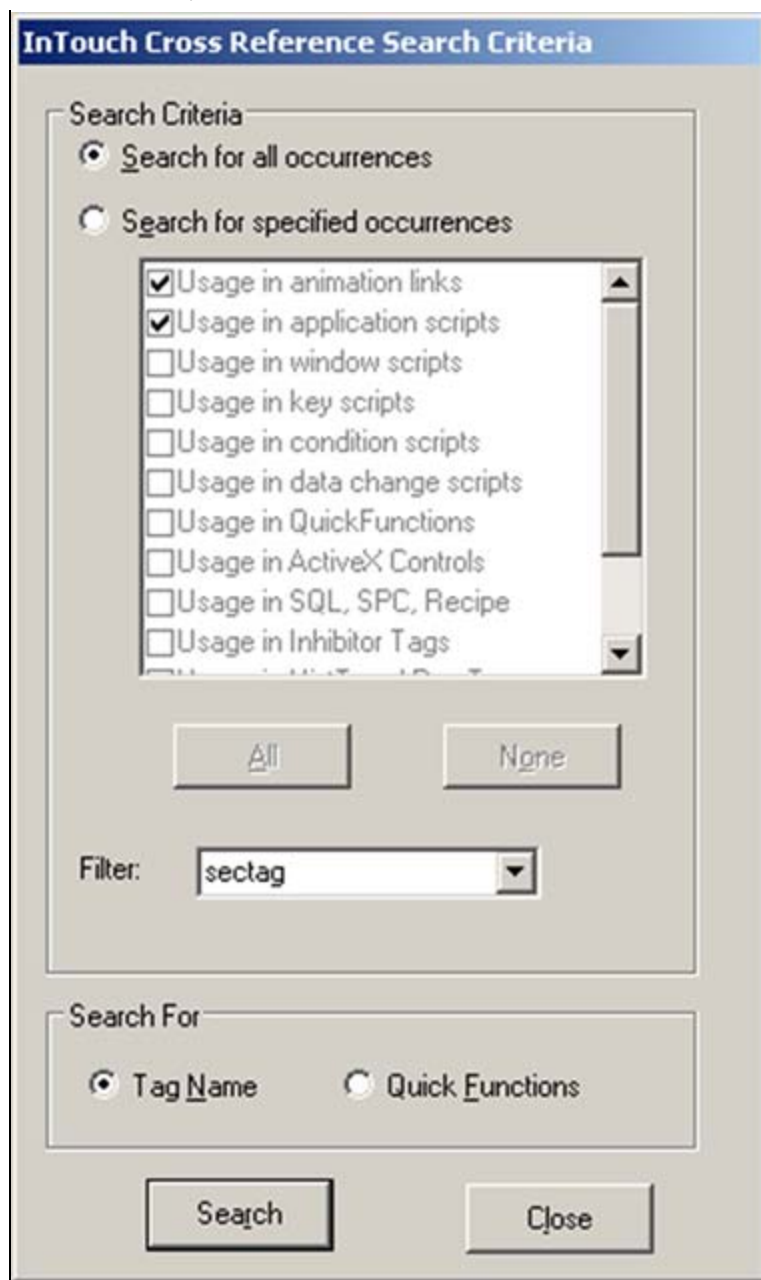
2. Click **Search** (Figure 3 below).

FIGURE 3: INTOUCH CROSS REFERENCE UTILITY SEARCH

The Cross Reference output shows the window and the location of the ArchestrA Symbol containing the InTouch tagname reference (Figure 4 below).
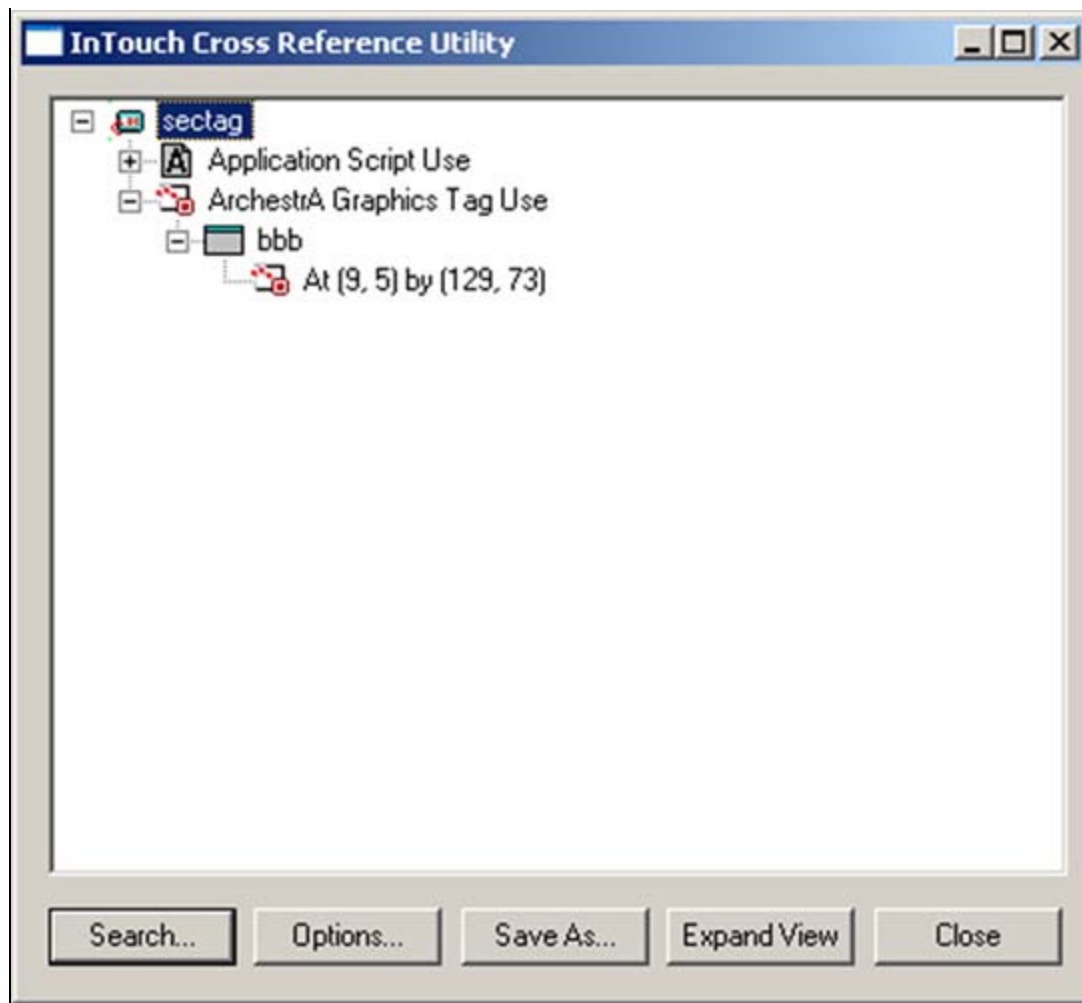
FIGURE 4: CROSS REFERENCE UTILITY SEARCH OUTPUT

Use WindowMaker Printout (Print to File)

1. In WindowMaker's main menu, click **File/Print** and select All Windows to Print. Be sure to uncheck the **Image/Graphics** option.
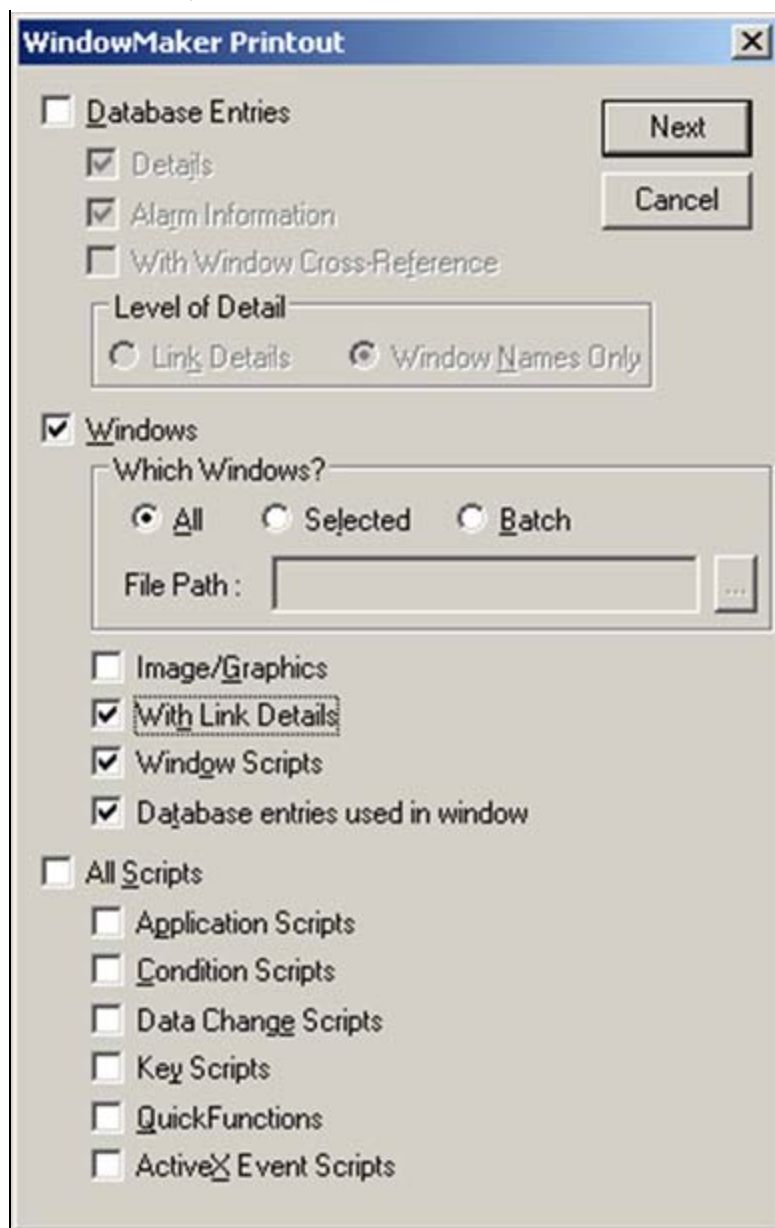
FIGURE 5: WINDOWMAKEER PRINTOUT CRITERIA

2. Click **Next**, then select the Output Destination (Figure 6 below).

Note: Use the **Ellipsis** button (**...**) to select a folder of your choice.
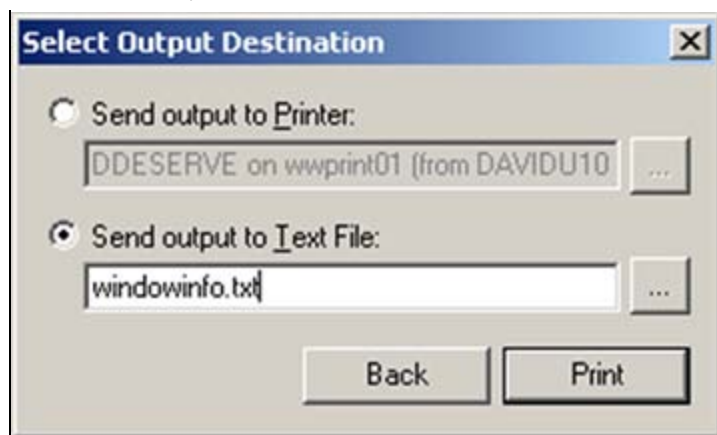
FIGURE 6: SELECT OUTPUT DESTINATION

3. Click **Print**. You can edit the file to search for the reference. For example, the following is an excerpt from the **windowinfo.txt** output file:

```
Object Type: ArchestrA Symbol
Location: left: 9 top: 5 right: 129 bottom: 73

Custom Properties:

        Property Name : aaa
        Property Type : Integer
        Property Default Value : sectag
        Property Description :
```

Search References in a Link Within an ArchestrA Symbol

You can search for references in the ArchestrA Symbols by using a utility that searches the binary files in the Deployed App's **.vedef** files.

To search vedef files

1. Deploy an instance of the InTouch Managed App.

2. In the deployed app, locate the folder called **ArchestraSymbols**. For example, **C:\Program Files\ArchestrA\Framework\Bin\testgalaxy-TestManagedApp_001\ArchestraSymbols**.

3. This folder contains the vedef files. Each .vdef file corresponds to an ArchestrA Symbol.

4. Find a program that can search binary files for text and search the .vedef files for the InTouch reference.

   For this *Tech Note* we used a freeware program called FileSeek (**http://www.fileseek.ca/**).

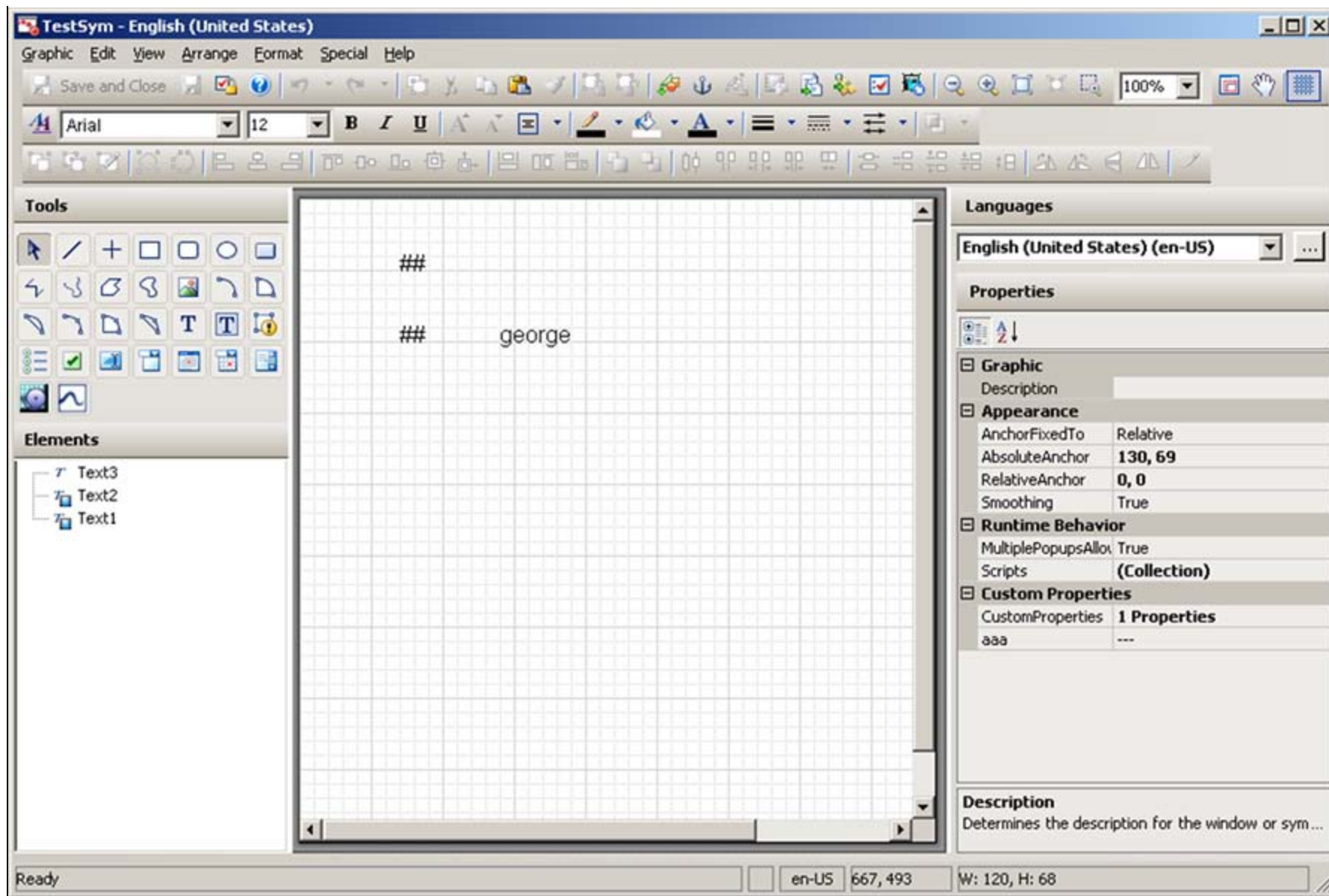For this example we use an ArchestrA Symbol called **TestSym**.

FIGURE 7: TESTSYM SYMBOL

One of the links has the reference **InTouch:George**, which is linked to an InTouch Memory Integer tag called **George** (Figure 8 below).
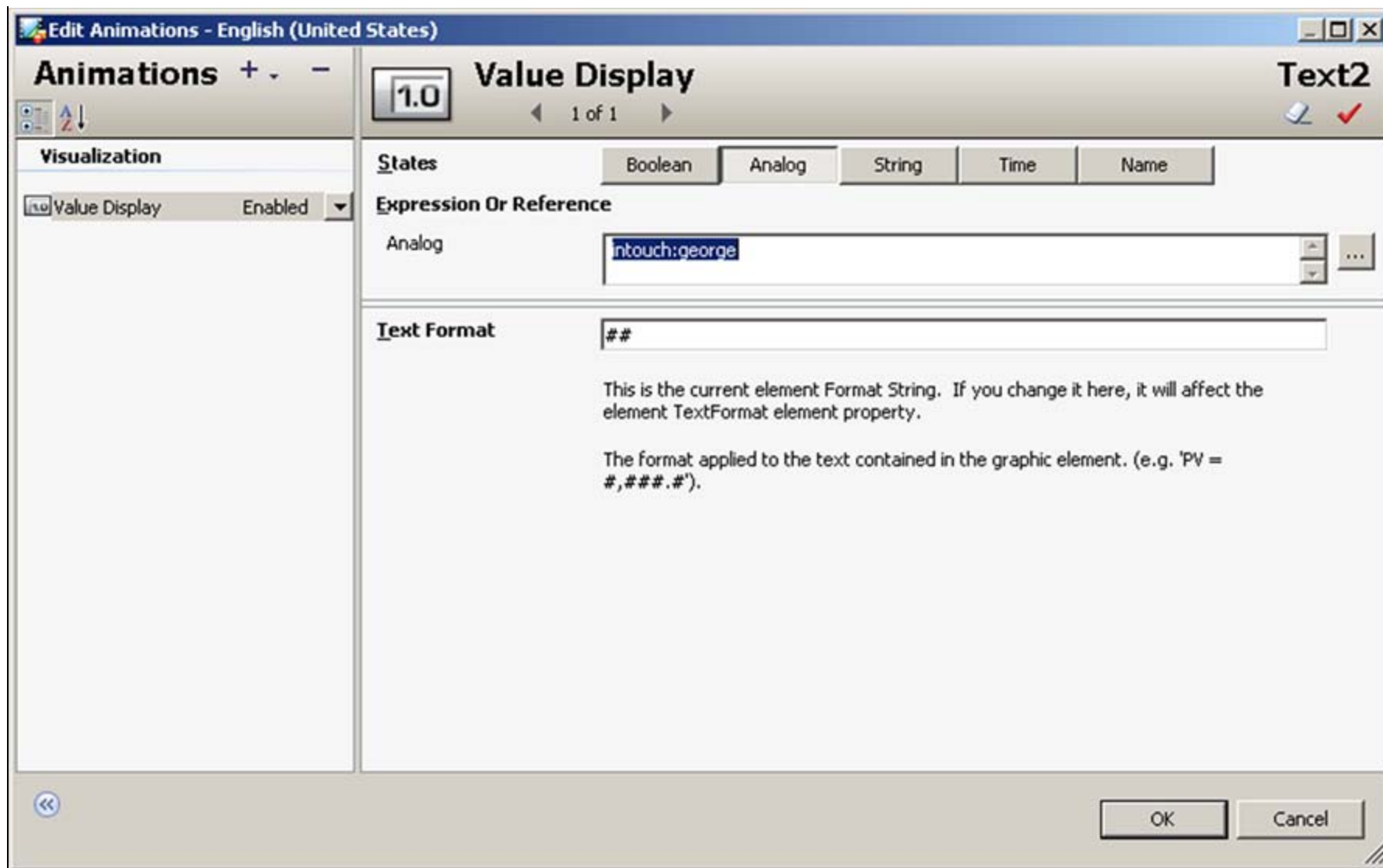
FIGURE 8: GEORGE REFERENCE

The vdef files are located in **...<Application folder name>\ArchestraSymbols** (Figure 9 below).
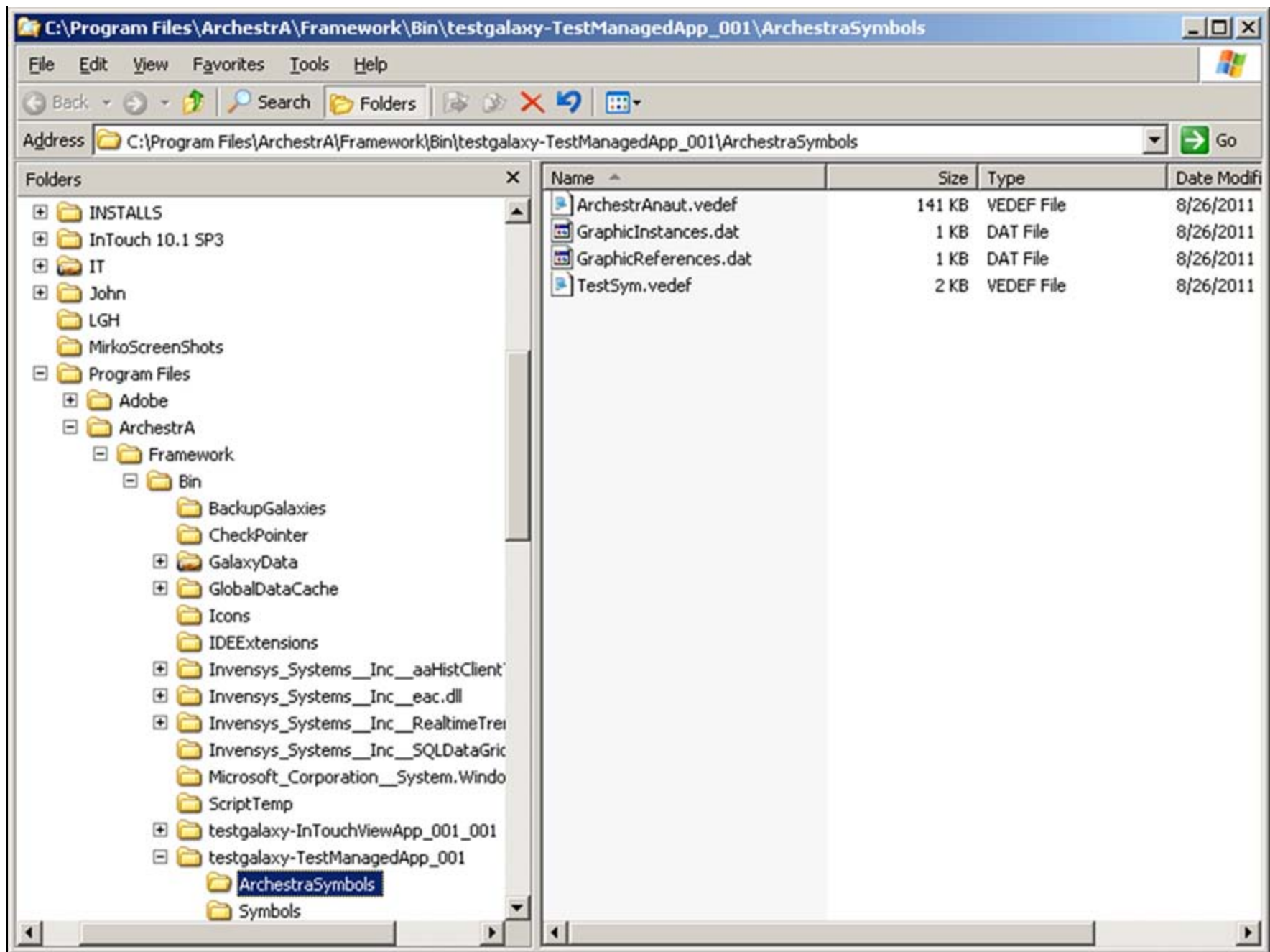
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FIGURE 9: TESTSYM.VEDEF FILE LOCATION

To locate the reference(s)

Use the **FileSeek** program to browse to the **ArchestraSymbols** folder.

1. Type the path to the ArchestraSymbols folder in the **Path(s)** field. You can also use the **Browse** button.

2. Type ***.vedef** to locate only the vedef files and any file name strings.

3. Type the string you are looking for in the **Query** field. In this example, we want to see the **george** reference.

4. Click **Search**. The result will list the vedef files containing the reference (Figure 10 below).

FIGURE 10: SYMBOL REFERENCE OUTPUT

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