Tech Note 922

Some ActiveX Controls NOT Supported in InTouch 2012 R2 (Version 10.6)

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Introduction

This *Tech Note* lists some of the ActiveX Controls that are not supported on InTouch version 2012 R2 (10.6).

Due to the Data Execution Prevention (DEP) feature of Windows 7 or Windows 2008 R2 operating systems, any ActiveX Control built with ATL version 7.1 or earlier will fail to host, or will have unpredictable behaviors in InTouch 10.6 WindowMaker™ or WindowViewer™ running on Windows 7 or Windows 2008 R2. In this case, WindowMaker and WindowViewer do not display the embedded ActiveX Controls developed with ATL version 7.1 or earlier.

A warning message **Fail to Create OCX control with error 126: Please contact technical support.** is logged in the SMC logger.

Application Versions

- Wonderware InTouch 2012 R2 (version 10.6)

Cause

The reason is because some ActiveX Controls that still have an old version of ATL when running on .NET 4.0. The controls do not work under .NET 4.0, and because the new ASP install includes .NET 4.0, there is a possibility, depending on how the control was written, that you can encounter issues with the Control.

Resolution

The recommended solution to this issue is to re-compile the ActiveX Controls with ATL version that is greater than 7.1. If you cannot re-compile the ActiveX Control, the following workarounds are effective:

- Disable Data Execution Prevention feature (DEP) (**http://support.microsoft.com/kb/875352?wa=wsignin1.0**) on Window 7 or Window 2008 R2.
  OR

- Enable the following registry key by doing the following:

1. Create a **String** value registry entry called **AllowLegacyActiveXControls** under the following key
   HKLM\Software\Wonderware\InTouch (32 bit) or **HKML\Software\Wow6432Node\Wonderware\InTouch** (64-bit)

2. Set the value of AllowLegacyActiveXControls to:
   AllowLegacyActiveXControls = **3ca10642-6728-4e22-97da-135a6df38a5c**

Note: The above registry key will work for **any** ActiveX Controls that are developed with ATL version 7.1 or earlier.

The following table lists some of the ActiveX Control that are not supported on InTouch 10.6:

ActiveX Control	Registry Entry "AllowLegacyActiveXControls" Required	Related Product
TimeBased	Yes	DASTestServer
Tabular Data Control(TDCCtl)	Yes	N/A
SysColorCtrl	Yes	System Ctrl
STREAMEDLATEDATA	Yes	DASTestServer
Signal	Yes	DASTestServer
ROOT	Yes	DASTestServer
QIChart Class	Yes	QIAnalyst 8.0 SP2
QIDBConnection Class	Yes	QIAnalyst 8.0 SP2
InControl Data Srouce Control	Yes	InControl 7.11 SP2
InControl Runtime Access Control	Yes	InControl 7.11 SP2
PID Control	Yes	InControl 7.11 SP2

B. Shah

For technical support questions, send an e-mail to **wwsupport@invensys.com**.

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