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Unsupported Features of InTouch OMI Application 2017

SUMMARY

Some features of ArchestrA Graphics are not yet supported in InTouch OMI. Because of this, embedded .NET controls and some aspects of certain ArchestrA Graphics that work properly inside of InTouch HMI have missing or degraded functionality when used inside an InTouch OMI application.

Wonderware Development is currently working to include these features in a future release.

SITUATION

ArchestrA Graphics is the core graphical user interface technology shared across the following Wonderware visualization products:

- InTouch HMI,
- InTouch OMI,
- InTouch Access Anywhere, and
- HTML5 Visualization.

The goal is for all graphical and animation functionality to work in all products and platforms. In the WSP 2017 release, however, there are some important functional differences between InTouch HMI and InTouch OMI that will cause certain aspects of existing ArchestrA Graphics (which are successfully used in InTouch HMI applications) to not display as expected when used within InTouch OMI applications.

SYMPTOMS

ArchestrA Graphics features not yet supported in InTouch OMI 2017

Note: You can find more information on each of these features in the WSP2017 Online Documentation that is installed with WSP2017. Search the documentation for the highlighted words listed below.

Graphical components

1) Alarm Borders do not reflect Shelved state (Future release of WSP 2017)

The "Shelved" state of the alarming system is supported in InTouch OMI applications and operates as expected. There are two limitations when visualizing alarm states in ArchestrA Graphics within an InTouch OMI application:

- **Alarm Border Animation**: The Alarm Border Animation does not reflect Shelved state at runtime
- **Element Styles**: Element Styles do not reflect Shelved state at runtime

2) Specialized Custom Properties (Future release of WSP 2017)

The Custom Property functionality in ArchestrA Graphics is supported in InTouch OMI applications, with one exception:

- **Historical Summary:** Historical Summary custom properties are not supported at runtime

3) Numeric Format Styles not honored at runtime (Future release of WSP 2017)

- You can't see numeric values with locally-defined formatting, nor can you enter numbers with locally defined formatting

4) Connectors and Connection Points not supported as shown in Figure 1 below: (Future release of WSP 2017)
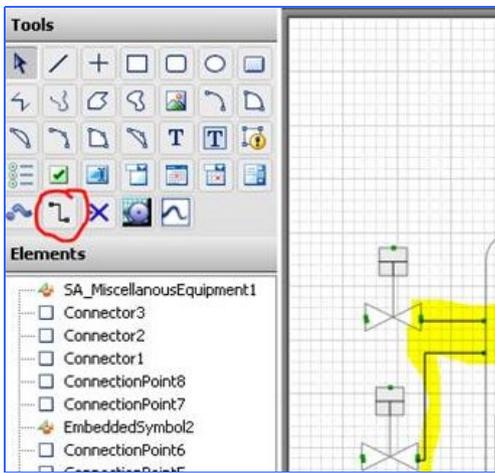
Figure 1: Connector and connection points used in Symbol editor.

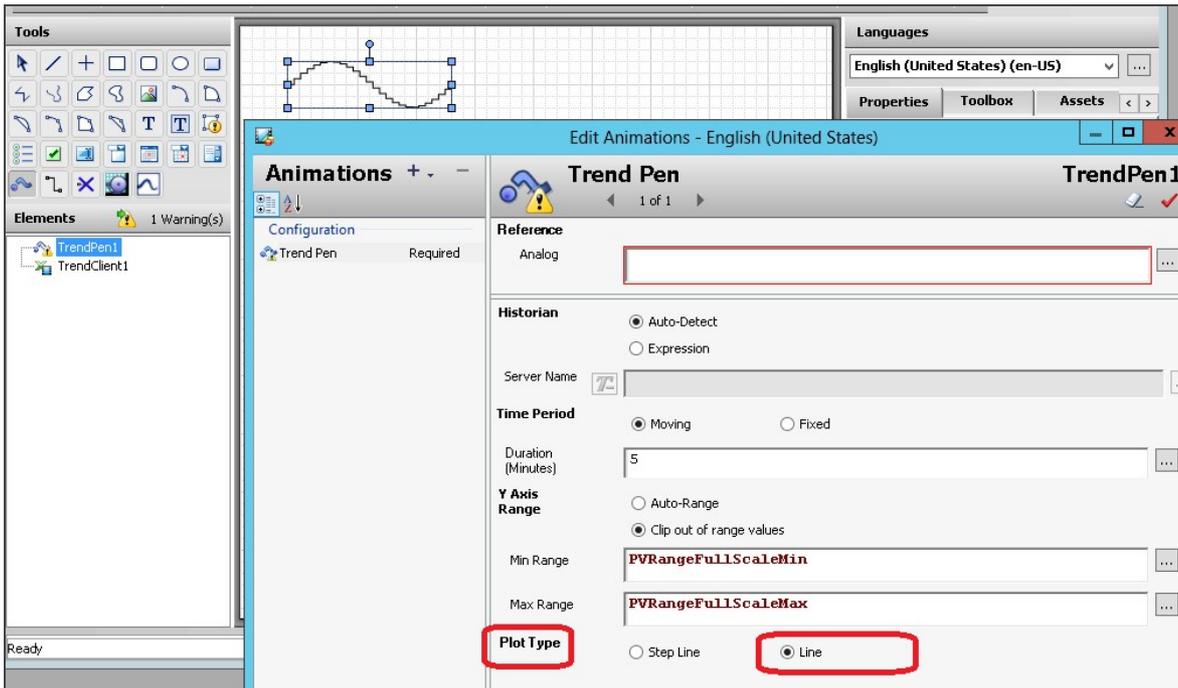**5) Plot type "Line" not supported in Trend Pen** (Figure 2 below): (Future release of WSP 2017)

Figure 2: Trend pen plotting using Step line mode in process graphic.

6) Embedded Alarm Control (EAC) not supported (Workaround provided in WSP 2017 Update 1 see Note 1 below)

7) Embedded Historical Trend Control not supported (Workaround provided in WSP 2017 Update 1 see Note 1 below)

8) View Process Graphic with quality substate status (Future release of WSP 2017)

- Several releases ago, we added support for substates to attribute value quality. These substates are not rendered in the Quality and Status animation within ArchestrA Graphics in InTouch OMI.

9) Custom .Net controls not supported (Future release of WSP 2017 ability will be added to import a .net control and have it wrapped into WPF within the IDE choices of properties will be exposed; .Net controls in symbols and methods and Events will not be)

- Example: WinForms-based .NET controls in ArchestrA Graphics

10) As part of Update 1 we shipped a **Trend Client Control and a Alarm Control** wrapped in WPF to display alarms and events the alarm control. These controls can now run in a Pane in InTouch OMI. They are delivered as "Apps" in a new Galaxy, but they cannot run when embedded in a graphic. The Historical Trend app and Alarm app are available in the Graphic toolbox (Figure 3 below).
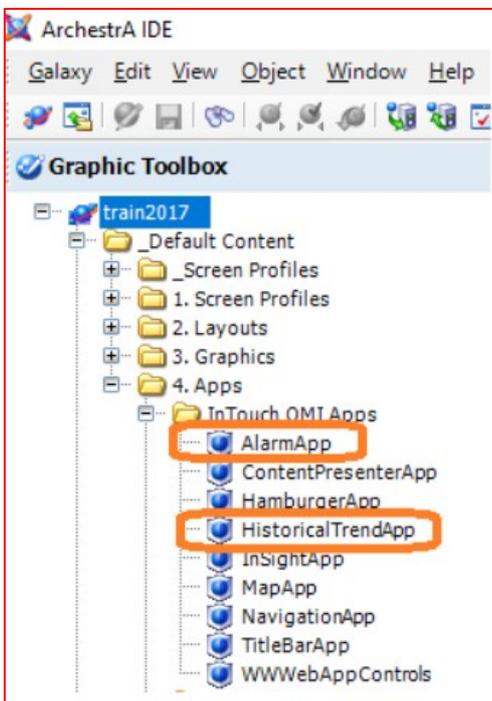
Figure 3: Historical Trend app and Alarm app.

Note: This *Tech Note* will be updated when these features are included in future releases.

AUTHOR NOTES

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