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Topic#: 002733 Created: January 2013

Introduction

In order to configure Wonderware ActiveFactory Reporting Website (AFRWS) to work with Wonderware Information Server (WIS), it is necessary to set up a data source so the website can access data from a Historian Server. The data source is shared by different WIS components such as ActiveFactory reports, TableWeaver, Factory Alarms, and ArchestrA Reporting. This allows the user to have a single data source and use it in multiple components.

However, for System Platform 2012 R2, if you already configured the data source using the WIS portal, can encounter an issue where the Historian Data Source option is disabled and the following error appears (Figure 1 below).

Configured datasource does not have Shared DataSource Definition. An error occurred while initializing the ActiveFactory Reporting feature.

| <u>File H</u> elp | | |
|--|---|--|
| ArchestrA License Web Server Server ArchestrA License Server Historian Historian Server | Web Configuration | AFWeb |
| Wonderware Information Server Comparison Server Comparison Server Comparison Server Comparison Server Comparison MultiViews Comparison Model Comparison Model | Historian Data Source Select Data Source Or | ▼ Define <u>N</u> ew Historian Data Source |
| | Historian Configuration Server SQL Admin User Name SQL Admin User Password | |
| | | |
| | Configuration Messages Configured datasource doesn't H An error occurred while Initializing | have Shared DataSource Definition g the ActiveFactory Reporting feature . |
| Defects | | Carlie and L. C. |

FIGURE 1: DATASOURCE ERROR

This Tech Note provides step-by-step procedures to resolve the issue with ActiveFactory Reporting in System Platform 2012 R2 so you

can use the ActiveFactory Reporting Website (AFRWS) components such as Reports, Trend and Query in WIS to access data from a Historian Server.

Application Versions

- Wonderware Information Server (WIS) 5.0
- Wonderware Historian Server 10.0 SP1 P01 or 11.0
- Microsoft SQL Server 2008 R2 SP1 or SP3
- Microsoft SQL Server 2012

Acronyms

- AFRWS: ActiveFactory Reporting Website.
- WIS: Wonderware Information Server (used together with AFRWS).

Assumptions

This Tech Note assumes that you are familiar with the following products:

- Wonderware Historian Server v10.0 or later.
- Wonderware Historian Client v10.0 or later.
- Wonderware Information Server (WIS) version 5.0 or later.
- Microsoft SQL Server 2008 or SQL Server 2012

Procedures

- 1. If you have any Wonderware components installed on this system (i.e. Historian Server, InTouch, etc.), stop or shut them down.
- 2. Click Start and type appwiz.cpl. The Uninstall or change a program window appears.
- 3. Right-click on Wonderware Information Server 2012R2 and click Uninstall/Change.
- 4. The ArchestrA System Platform 2012 R2 Installation appears. Select Modify then Next.



FIGURE 2: MODIFY THE ARCHESTRA SYSTEM PLATFORM INSTALLATION

5. Uncheck the ActiveFactory Reporting component, and click Next (Figure 3 below).



FIGURE 3: UNCHECK THE ACTIVEFACTORY REPORTING OPTION

6. Click Modify (Figure 4 below).

| ArchestrA System Platform 2012 R2 Installation | |
|---|----|
| Select Modify to confirm feature changes inviewnys Select Modify to confirm feature changes | 15 |
| | |
| | |
| | |
| Removing these features: | |
| Wonderware Information Server Kontextual ActiveFactory Reporting | |
| | |
| | |
| <u>V</u> jew Install Guide <u>Sack</u> <u>Modify</u> <u>Cancel</u> | |

FIGURE 4: MODIFY ACTIVEFACTORY REPORTING

7. Use the **Historian Uninstallation process** Window to see which services to stop (stop the services using the Historian SMC and/or Task Manager) then click **Next**.

| Service Name | Status |
|----------------------|---------|
| nSQLConfiguration | Running |
| aahClientAccessPoint | Stopped |
| nSQLDataAcquisition | Stopped |
| nSQLEventSystem | Stopped |
| nSQLIndexing | Stopped |
| nSQLIOServer | Stopped |
| nSQLManualStorage | Stopped |
| HistorianReplication | Stopped |
| nSQLRetrieval | Stopped |
| nSQLSCM | Stopped |
| nSQLStorage | Stopped |
| nSQLSystemDriver | Stopped |
| MSSQLSERVER | Stopped |
| | |

FIGURE 5: STOP ALL LISTED SERVICES

The installation will perform the uninstallation of ActiveFactory Reporting and updating the system.



FIGURE 6: INSTALLATION PROCESS SUCCESS

- 8. Click Finish.
- 9. Repeat steps 2, 3, and 4 above to re-install System Platform 2012 R2.
- 10. Make sure to enable the ActiveFactory Reporting option this time, then click Next twice.

| ArchestrA System Platform 2012 R2 Installation | |
|--|--|
| Please select which features you would like installed, and specify the destination folder for the installed files. | iņveņsuus |
| The following products and/or components will be installed. | Generate reports from published ActiveFactory Workbooks and Trends using data from Wonderware Historian. |
| Destination Folder C:\Program Files (x86) <u>Vi</u> ew Install Guide < <u>B</u> ack <u>N</u> | Browse ext > <u>C</u> ancel |

FIGURE 7: REINSTALL WITH ACTIVEFACTORY REPORTING

The ArchestrA System Platform 2012 R2 Installation should show the ActiveFactory Reporting feature it is adding.

11. Click **Modify** to proceed (Figure 8 below).

| Archest | A System Platform 2012 R2 Installa | ition | |
|----------|------------------------------------|----------|--------------|
| Select N | 1odify to confirm feature changes | | iņ∨e.ņsus |
| Adding | these features: | | |
| | ⊡- Wonderware Information Server | | |
| | | | |
| Viev | v Install Guide | < Back M | odify Cancel |

FIGURE 8: ACTIVEFACTORY REPORTING INSTALLATION OPTION

When the installation finishes, the **Configurator** appears.

12. Highlight the ActiveFactory Reporting feature under the Information Server and click **Define New Historian Data Source**.

| 📳 Configurator | | | - 🗆 🗵 |
|---|---|--|-------|
| Ele Help | | | |
| Wonderware Information Server Monderware Information Server ActiveFactory Reporting ArchestrA Reporting MultiViews Sample Content Information Model | Web Configuration Virtual Folder Name Historian Data Source Select Data Source | AF.web | |
| | Or | Define New Historian Data Source | |
| | Historian Configuration Sgrver SQL Admin User Name SQL Admin User Password SQL Admin User Password Configuration Messages Check of ActiveFactory Reportin Check of the Excel version has st Prerequisite check succeeded. Check of the Excel version is con Check of ActiveFactory Reportin | g Prerequisite has started. arted. g Prerequisite is complete. | |
| <u>R</u> efresh <u>A</u> I Messages | | Configure Close | , |

FIGURE 9: DEFINE NEW HISTORIAN DATA SOURCE

The New Historian DataSource Form appears (Figure 10 below).

- 13. Provide the following:
 - Data Source Name: Type the name of the new data source.
 - Database Name: Runtime
 - Historian User Name: Type a valid SQL Server login (or you can choose Integrated Security).
 - Historian User Password: Type a valid password for the SQL Server login.
 - Provider: Type either SQLNCLI11 for SQL Server 2012, or SQLNCLI10 for SQL Server 2008.

| 🔡 New Historian DataSource F | orm | |
|-----------------------------------|---------------|----|
| Data Source Details | | _ |
| Data Source Name | MyHistorian | |
| Database <u>S</u> erver Name | BRIANNWIN08 | |
| Database <u>N</u> ame | Runtime | |
| Integrated Security | | |
| Historian <u>U</u> ser Name : | sa | |
| Historian User <u>P</u> assword : | ****** | |
| Connection <u>T</u> imeout | 0 | |
| Query Timeout | 0 | |
| <u>P</u> rovider | SQLNCLI11 | |
| <u>H</u> as HTTP mode | | |
| URL Connection | | |
| | | |
| <u> </u> | <u></u> ancel | // |

FIGURE 10: NEW HISTORIAN DATASOURCE FORM

- 14. Click OK.
- 15. When the Configurator reappears, type the SQL Admin User Name and SQL Admin User Password.
- 16. Click **Configure** at the bottom of the dialog box (Figure 11 below).

| 🖶 Configurator | | | _ 🗆 🗵 |
|---|---|--|---------|
| <u>File H</u> elp | | | |
| Wonderware Information Server Wonderware Information Server ActiveFactory Reporting ArchestrA Reporting MultiViews Sample Content | Web Configuration ⊻irtual Folder Name Historian Data Source | AFWeb | |
| | <u>S</u> elect Data Source Or | MyHistorian Define New Historian Data Source | <u></u> |
| | Historian Configuration S <u>e</u> rver SQL Admin <u>U</u> ser Name SQL Admin User <u>P</u> assword | BRIANNWIN08 sa | |
| | Configuration Messages Check of ActiveFactory Reporting Check of the Excel version has sta Prerequisite check succeeded. Check of the Excel version is com Check of ActiveFactory Reporting A new data source "MyHistorian" | g Prerequisite has started. arted. g Prerequisite is complete. g Prerequisite is complete. has been defined for configuration. | |
| <u>R</u> efresh <u>A</u> ll Messages | | <u>Co</u> nfigure <u>C</u> lo | ise |

FIGURE 11: CONFIGURE THE NEW DATASOURCE

The ActiveFactory Reporting configuration should now be completed successfully.

17. Click **Close** to close the Configurator.

| 🚏 Configurator | | | _ 🗆 🗵 |
|---|--|---|-------|
| <u>F</u> ile <u>H</u> elp | | | |
| Wonderware Information Server Wonderware Information Server ActiveFactory Reporting | Web Configuration | APWeb | I |
| MultiViews Sample Content Information Model | Historian Data Source <u>S</u> elect Data Source | MyHistorian |]] |
| | Historian Configuration | | |
| | S <u>e</u> rver SQL Admin <u>U</u> ser Name | BRIANNWIN08 sa | |
| | SQL Admin User <u>P</u> assword | * | |
| | Configuration Messages | | |
| | Prerequisite check succeeded. Check of the Excel version is com Check of ActiveFactory Reportin A new data source "MyHistorian" Configuration of ActiveFactory Re Generation of the configuration fil Creating the "AFWeb" virtual dire Configuration of the Historian dat Update of the SuiteVoyager datal Upgrading the ActiveFactory Rep Upgrade of the ActiveFactory Rep Update of the language files Update of the language file is con Configuration of ActiveFactory Rep | plete. g Prerequisite is complete. ' has been defined for configuration. eporting has started. e is complete. a source is complete. base is complete. base is complete. porting schema eporting schema is complete. mplete. eporting has successfully completed. | • |
| <u>R</u> efresh <u>A</u> ll Messages | | Configure C | ose |

FIGURE 12: CLOSE THE CONFIGURATOR

The data source you just created should now be listed in the WIS portal (Figure 13 below).



FIGURE 13: ACTIVE DATASOURCE IN WIS

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