Tech Note 721
Solving the Wonderware Historian Auto-Start Issue

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Introduction/Issue

If the Wonderware Historian is configured to start automatically (Historian's parameter AutoStart is set to **1**, and the computer is restarted, you can receive the following fatal error message in the ArchestrA logger:

FATAL: Real-time storage did not start within the expected time period [VMDATAIRDHDB; aahCfgSvc.cpp; 7802]

Application Versions

- Historian 10 and later

- Microsoft SQL Server 2008

Cause

The issue is caused by the start-up timing between the Historian and the SQL Server after the computer is restarted.

When the computer is back on line, the Historian might start up first and will try to connect to the SQL Server while SQL Server is still trying to start up. Therefore, the SQL Server is not available for the Historian, and this will in turn cause the issue.

Resolutions

You can resolve the auto-start issue using either of the following workarounds.

Workaround 1

The first workaround to this problem is to make the Historian Configuration service dependent on the SQL Server process.

Here are the steps for the first workaround:

1. Start up the Registry editor and locate **HKey_Local_Machine\System\CurrentControlSet\Services\InSQLConfiguration**.

2. Double-click the string value **DependOnService** on the right side of the window.

3. Add the new value string **MSSQLSERVER** in the **Edit Multi-String** dialog box as shown in Figure 1 (below).
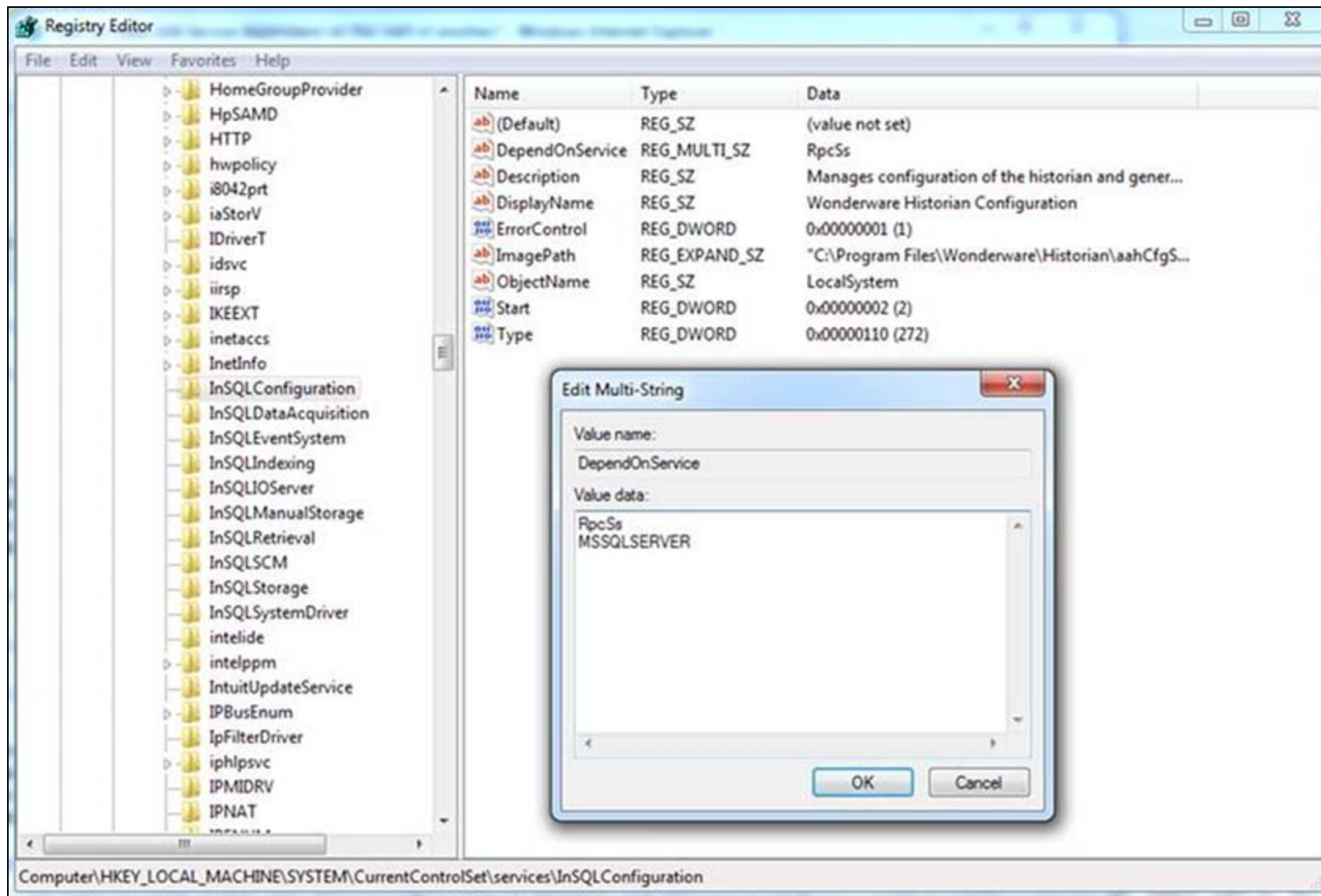
FIGURE 1: ADDING MSSQLSERVER STRING TO DEPENDONSERVICE

4. Save your changes and exit the Registry Editor.

Workaround 2

The second work-around is to avoid installing the SQL Server SQL **Full-Text Search** component.

1. If you've already installed it, but don't need it, use the Windows Services console, change the **SQL Full-text Filter Daemon Launcher (MSSQLSERVER)** service startup type from **Manual** to **Disabled**.
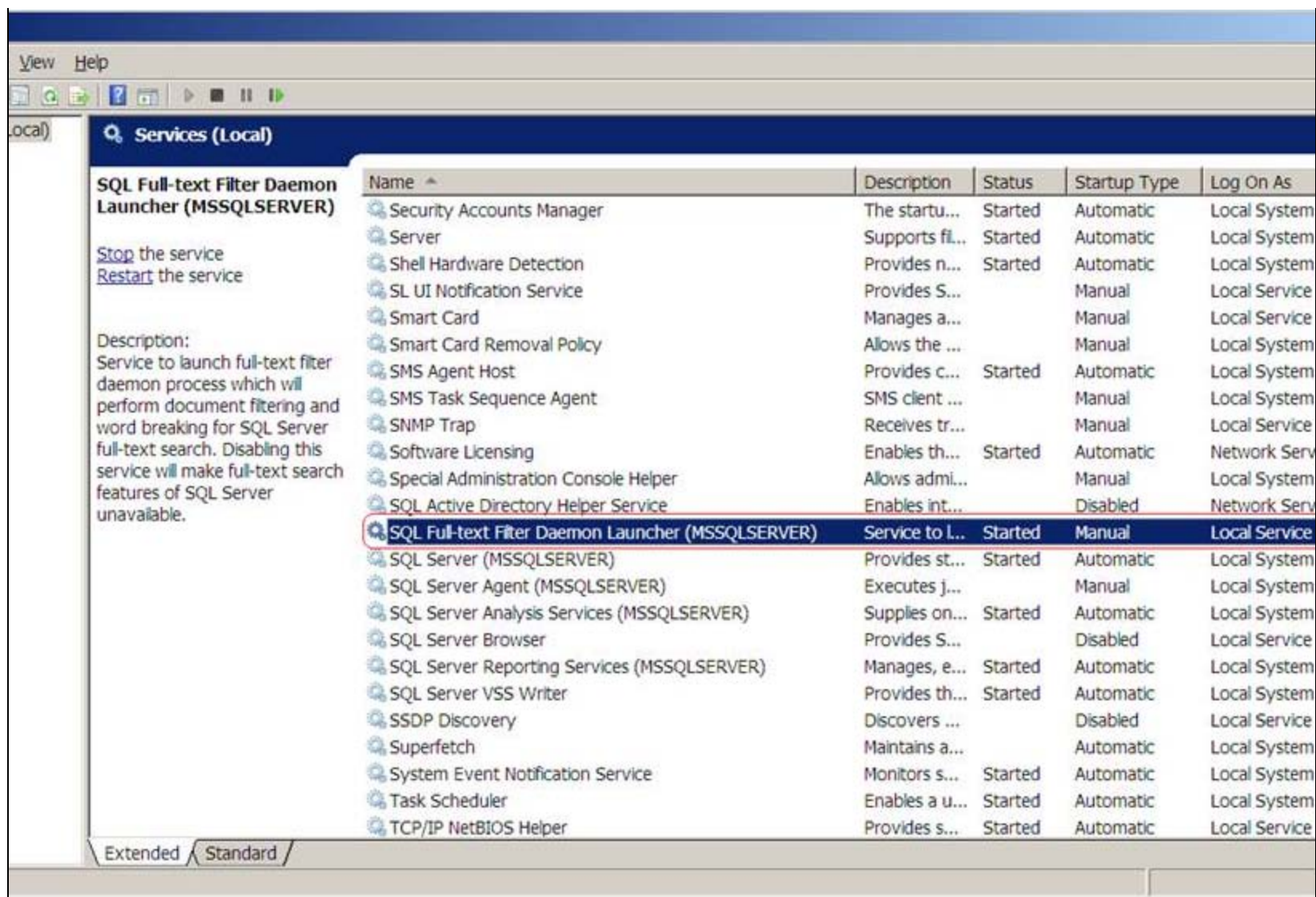
FIGURE 2: DEFAULT SQL FULL-TEXT FILTER SERVICE SETTING

2. If you need the **SQL Full Text Search**, use the **Services** console to change the configuration for the **Historian Configuration** service to wait for Full Text Search service to start. Run the following DOS command line (as an Administrator) using:

```
sc config InSQLConfiguration depend= +MSSQLFDLauncher
```

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

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