



# Messaging System

Version 1.1

## Overview



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# Introduction

This document provides a simplified summary of how the DSI Messaging System works.

For installation and configuration instructions, please refer to the DSI Messaging System Installation Guide, and the DSI Messaging System Configuration Guide, respectively.

The DSI Messaging System v1.1.0 enables Impact/SQL to send and receive data from these data sources (**Vendor**):

- Data Quick
- Eagle
- ePaperless
- Fast Search Title Search
- File System
- Hart Intercivic
- Impact Online
- LFC Gators Title
- Market Pro
- Mercury Transaction Services (MTS)
- Real Quest
- SureClose

At the time of writing this document, only the twelve **Vendor** implementations listed above are available; the DSI Messaging System v1.1.0 is designed to easily integrate an infinite number of additional **Vendor** implementations.

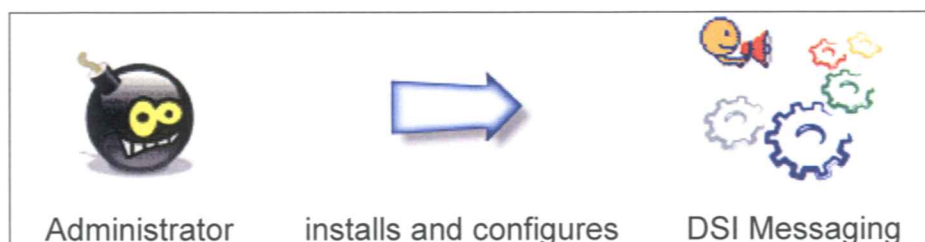
In order to interact with a specific data source, a specific DDL implementation (**Vendor Interface**) must be installed on the computer. The DSI Messaging System consists of two software components:

- **Vendor Interface** files
- **DSI Messaging** service file

The **Vendor Interface** will only perform a function when it is called by an EXE, for example, the Fast Search Title Search Service (dsi.Messaging.FastSearch.dll) **Vendor Interface** is only loaded into memory when the **DSI Messaging** service (dsi.Messaging.WindowsService.exe) or **Impact Escrow** (impact.exe) calls the DLL implementation.

# Administrator Activities

## Install and Configure the DSI Messaging Service

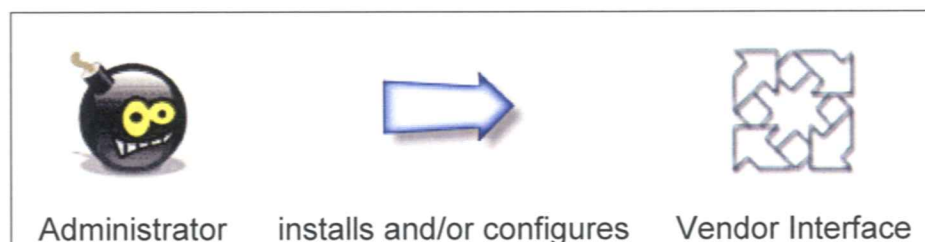


**Figure 1**

The administrator installs the DSI Messaging System base components (and the included **Vendor Interface** files), and then performs the initial configuration of the **DSI Messaging** service.

To configure the **DSI Messaging** service, open Windows Explorer and navigate to where the base components for the DSI Messaging System are installed, which are typically located in the C:\program files\USA Digital Solutions\Messaging\ folder. In this folder, locate and then double-click on the dsi.Messaging.WindowsServiceConfigurator.exe file.

## Configure the Vendor Interface



**Figure 2**

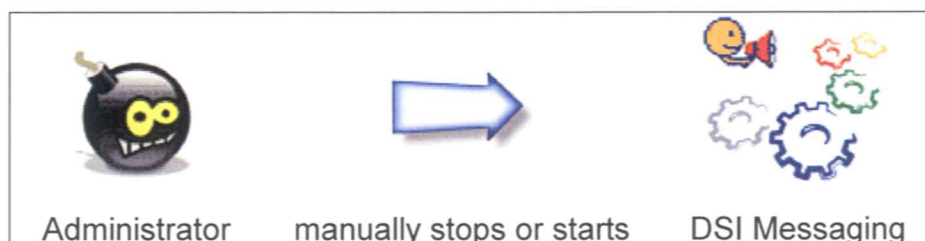
The administrator performs the initial configuration of the **Vendor Interface**, typically by running the Impact Utilities application. If more than one **Vendor Interface** is installed then each one must be configured.

Later, any newly acquired **Vendor Interface** file(s) must be installed in the same folder as the DSI Messaging System base components, and then configured.

## Stop or Disable the DSI Messaging System

If something causes the DSI Messaging System not to function correctly, then the **DSI Messaging** service or an individual **Vendor Interface** can be temporarily disabled. For example, if a vendor's computer system moves and has a new IP address; it may take several hours for the updated IP address to propagate to DNS servers on the Internet, therefore the DSI Messaging System will deal with numerous submit and retrieve errors per second, causing dramatic computer system performance degradation.

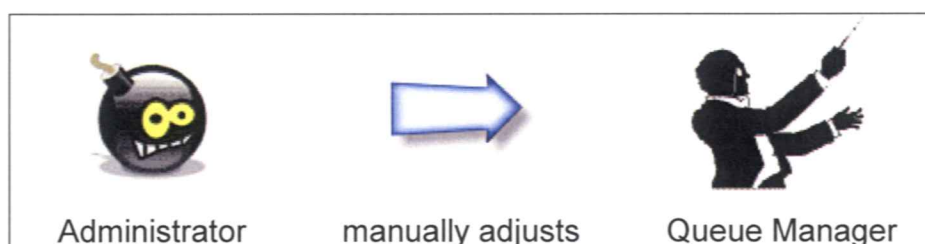
### Major Malfunction



**Figure 3**

In the event of a system malfunction, **ALL** of the **Vendor Interfaces** can be stopped; click on the Windows® Start menu, then select the Settings > Control Panel > Administrative Tools > Services screen, and locate the **DSI Messaging** service (dsi.Messaging.WindowsService.exe). Right click on **DSI Messaging** with the mouse, and then select **Stop**. Later, after the problem has been resolved, the **DSI Messaging** service can be restarted by duplicating this procedure except during the last step, select **Start**. Be aware that the **DSI Messaging** service will return to its previous state (prior to manually stopping the service) in the event of a computer system re-boot.

### Malfunction of a Single Vendor Interface



**Figure 4**

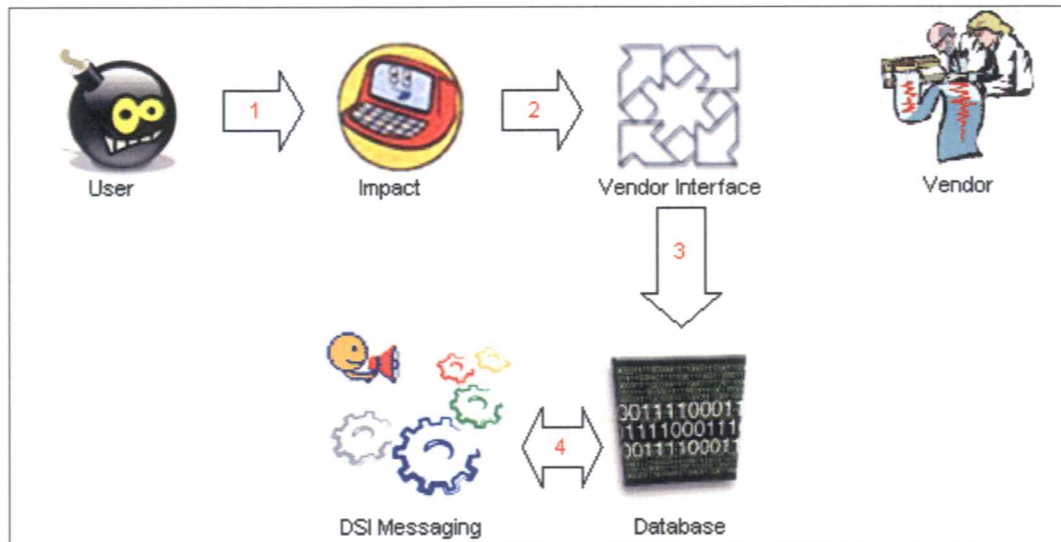
To turn an individual **Vendor Interface** service on or off, open Windows Explorer and navigate to where the base components for the DSI Messaging System are installed, which are typically located in the C:\program files\USA Digital Solutions\Messaging\ folder. In this folder, locate and then double-click on dsi.Messaging.MessageQueueManager.exe to open the **Queue Manager**. Select the appropriate **Vendor Interface** from the list, and then stop it.

# End User Activities

## Create a Request for Information

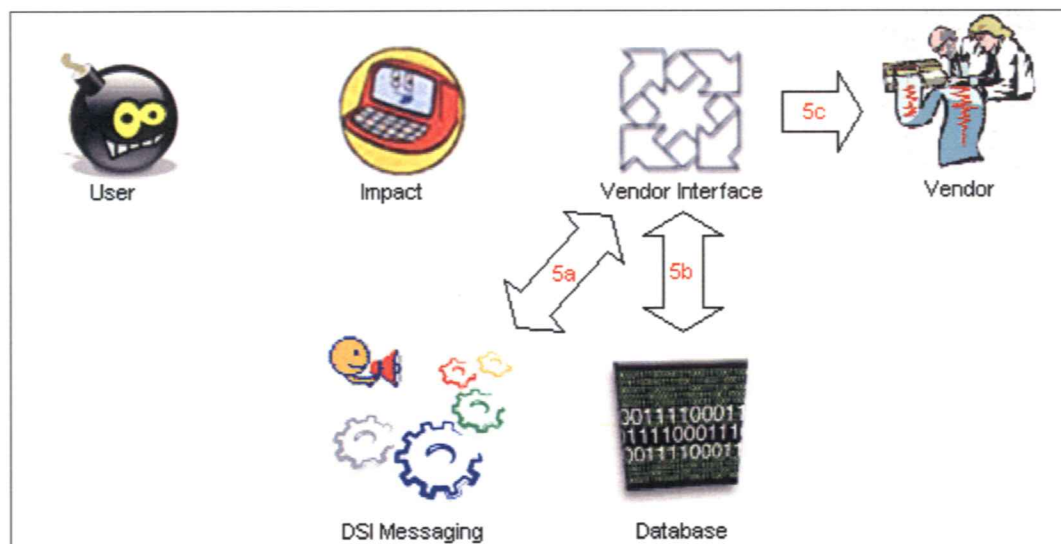
Impact utilizes the DSI Messaging System to send a request for data submittal to a **Vendor**:

1. The **User** enters data into **Impact** which requires data submittal to a **Vendor**
2. **Impact** calls the **Vendor Interface**
3. The **Vendor Interface** writes the data to the **Database**
4. **DSI Messaging** checks the **Database** at regular intervals for pending requests for data submittal



**Figure 5**

5. If a request for data submittal to a **Vendor** is pending, then
  - a. **DSI Messaging** calls the **Vendor Interface**
  - b. The **Vendor Interface** reads data from the **Database**
  - c. The **Vendor Interface** submits the data to the **Vendor**

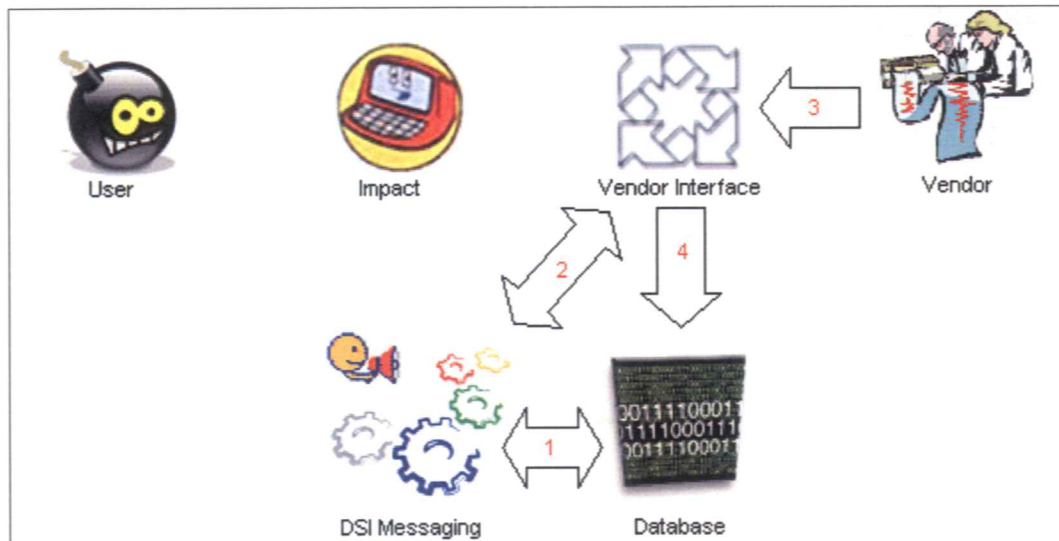


**Figure 6**

## Receive a Response to the Request

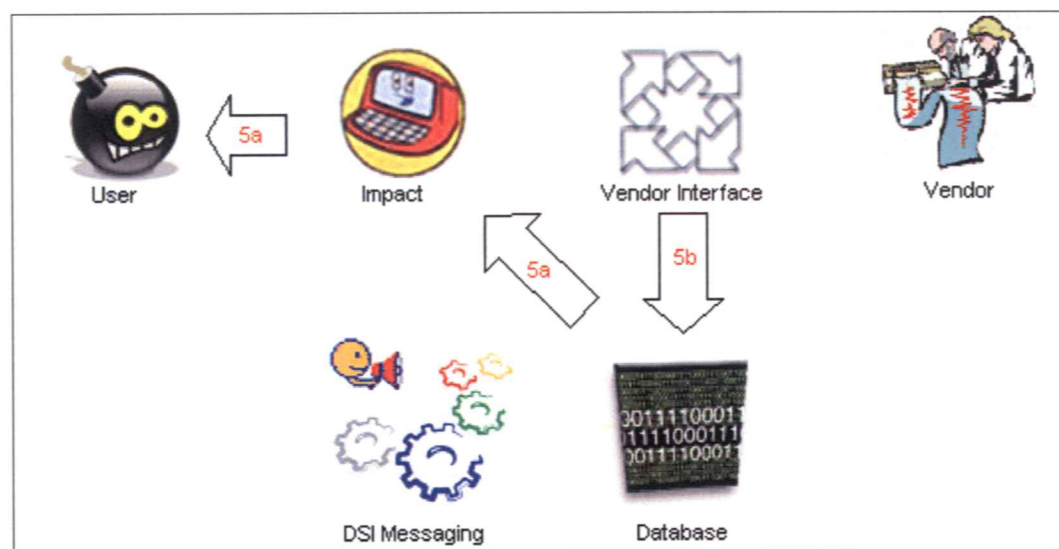
Impact utilizes the DSI Messaging System to retrieve a response from a **Vendor**:

1. At regular intervals **DSI Messaging** checks the **Database** for a time stamp entry that indicates the successful submittal of data to a **Vendor**
2. If the correct time interval has elapsed, **DSI Messaging** calls the **Vendor Interface**
3. The **Vendor Interface** retrieves the response from the **Vendor**
4. The **Vendor Interface** writes the response to the **Database**



**Figure 7**

5. Depending on **Vendor Interface** configuration, then either
  - a. The **User** can view the response within **Impact** by accessing the **Database**, or
  - b. The **Vendor Interface** creates a new request for data submittal (to another **Vendor**), and writes the data to the **Database**



**Figure 8**