

# **DataSplice®**

## **Mobile Computing**

### **DataSplice 3.0.x Upgrade Manual**

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# Introduction

## Purpose

This manual is designed as a guide for the process of upgrading the DataSplice software suite from a previous 3.0.x build to the most current one. This includes special considerations and instructional steps.

While the information in this guide is true for most existing installations, if a considerably older version of DataSplice is in place, it may be necessary to obtain special conversion utilities or solutions to complete a successful upgrade. *Additionally, the upgrade steps in this manual are not valid if attempting to upgrade to DataSplice 3.0.x from a previous 2.3.x version. In such cases, please contact [support@datasplice.com](mailto:support@datasplice.com) for additional assistance.*

For additional documentation and support resources, please visit <http://support.datasplice.com>.

## Audience

This manual is intended for DataSplice administrators to provide assistance during the upgrade process.

## Assumptions

This document assumes that a local installation of the Windmill Server is in place, and that the directory structure on that server follows the default layout. In addition, it is assumed that other DataSplice components, such as integration plug-ins may be used. Where noted, perform the additional steps to upgrade those components. If no such components are being used, the corresponding steps may be disregarded.

## Version Information

The information in this manual pertains to DataSplice version **3.0.x**.

## Upgrade Path Overview

The process of upgrading the DataSplice software suite from a previous version to the current one is a fairly straightforward process. There are, however, some special considerations to keep in mind to ensure a successful upgrade. The general upgrade path is outlined in the following tasks.

- **Upgrading the DataSplice Server Computer**
- **Upgrading Additional Workstations**
- **Upgrading the Windmill Server Computer**
- **Upgrading Mobile Devices**

# Upgrading the DataSplice Server Computer

The process of upgrading the various components of the DataSplice Server computer is examined in the following sections.

- **Backing up Existing DataSplice Components**
- **Uninstalling Existing DataSplice Components**
- **Installing New DataSplice Components**

## Backing up Existing Server Components

The most important item of the entire upgrade process is to back up the existing DataSplice configuration. This provides the ability to roll back to the existing installation if something goes wrong during the upgrade.

The easiest way to back up the relevant information for an existing installation is to make a copy of the entire `Storage` directory from the DataSplice installation path. To accomplish this, perform the following tasks.

- Shut down all currently-running DataSplice components.
- Open Windows Explorer on the server computer and browse to the DataSplice installation path. By default, this is `C:\Program Files\DataSplice3`.
- Right-click the `Storage` folder and choose *Copy* from the resulting menu.
- In Windows Explorer, browse to a pre-determined location, such as the Desktop.
- Right-click and choose *Paste* from the resulting menu. A copy of the `Storage` folder should appear in this location.

Because the `Storage` folder contains all of the views, attributes, and customizations of the existing installation, it is safe to continue with the upgrade process after the steps above have been completed.

## Uninstalling Existing Server Components

After the existing installation has been backed up, it should be uninstalled from the server computer. This step may not always be necessary, as versions that are very close to each other may successfully install over the existing installation. However, performing this uninstall ensures that any conflicting files will be taken care of before running the new installation.

To uninstall the existing DataSplice components, perform the following steps.

- Click **Start > Settings > Control Panel**.
- Open **Add/Remove Programs**.
- Locate and select the *DataSplice 3.0* entry.
- Click **Change/Remove**.
- Follow the prompts to uninstall the program.
- Repeat the steps above for any other DataSplice component that is being upgraded, such as the *DataSplice 3.0 Integration Plug-in for MAXIMO®*.

## Installing New Server Components

Once the previous version of DataSplice has been uninstalled, the new version can safely be installed by using the following steps.

- Obtain the `DataSplice-<version>.msi` file, where `<version>` refers to the specific DataSplice version.
- Double-click the installation file to launch the associated setup wizard.
- Follow the prompts to complete the installation. Be sure to install all of the components that were originally installed. Most server installations include all available components.
- For detailed information regarding the installation steps, please refer to the [DataSplice installation manual](#).
- Repeat the steps above to install additional DataSplice components that are being upgraded, such as the *DataSplice MAXIMO® integration plug-in*. Each additional component will have its own installation file. For example, the *DataSplice MAXIMO® integration plug-in* has an installation file named `datasplice3_MAXIMO_plugin_<version>.msi`, where `<version>` refers to the specific plug-in version.

## Upgrading Additional Workstations

In addition to the server computer, there may be DataSplice installations on other Windows 32 desktop computers. Oftentimes, this includes Administration Client and Remote Client components that are installed on various workstations to allow for remote connection to the DataSplice Server running on the server computer.

The process of upgrading the various components of additional workstations is examined in the following sections.

- **Uninstalling Existing Workstation Components**
- **Installing New Workstation Components**

## Uninstalling Existing Workstation Components

This step may not always be necessary, as versions that are very close together may successfully install over the existing installation. However, performing this uninstall ensures that any conflicting files will be taken care of before running the new installation.

To uninstall the existing DataSplice components, perform the following steps.

- Click **Start > Settings > Control Panel**.
- Open **Add/Remove Programs**.
- Locate and select the *DataSplice 3.0* entry.
- Click **Change/Remove**.
- Follow the prompts to uninstall the program.

## Installing New Workstation Components

Once the previous version of DataSplice has been uninstalled, the new version can be successfully installed by using the following steps.

- Obtain the DataSplice-`<version>`.msi file, where `<version>` refers to the specific DataSplice version.
- Double-click the installation file to launch the associated setup wizard.
- Follow the prompts to complete the installation. Be sure to install all of the components that were originally installed.
- For more detailed information regarding the installation steps, please refer to the [DataSplice installation manual](#).

# Upgrading the Windmill Server Computer

If the Windmill provisioning service is being used, and there is a local installation of the Windmill Server application at the location, then it is necessary to upgrade the available Windmill software packages to include the new DataSplice version. *If the Windmill provisioning service is not being used, nothing needs to be performed in this step. If the general Windmill Server hosted by DataSplice is being used, it will only be necessary to notify DataSplice when to make the updated packages available to your existing Windmill group(s).*

The process of upgrading the components on the Windmill Server computer is examined in the following sections.

- **Adding Files for the New Software Package**
- **Updating the Appropriate Configuration Files**

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## Adding Files for the New Software Package

To make the newer DataSplice version available to the client devices with Windmill, the available packages must be updated on the Windmill Server. *In most cases, the Windmill Server being used is hosted by DataSplice. In such cases, it is not necessary to perform any package updates in this step. Rather, it is necessary to notify DataSplice at [support@datasplice.com](mailto:support@datasplice.com) when to make the updated packages available to your existing Windmill group(s).*

If a local installation of the Windmill Server is being used, the package files need to be updated accordingly. For the sake of simplicity, this explanation assumes that the new build is number 98, and that the mapped `w:\` drive location points to the `wwwroot` directory for Windmill on Microsoft Internet Information Server (IIS).

- On the Windmill Server computer, open Windows Explorer and browse to `w:\`.
- Browse to `windmill\files\DataSplice3`.
- Create a folder for the new file version, such as `Build98`.
- Browse into this new folder.
- Open another Windows Explorer window and browse to the installation directory on the DataSplice Server computer (or an equivalent workstation in which all DataSplice components have been installed).
- On the DataSplice Server computer, browse into the `WindowsCE` folder and copy the `ppc` and `hpc` sub-folders.
- Return to the Windows Explorer window on the Windmill Server, in the newly-created folder. Paste the `ppc` and `hpc` folders into this location.
- Browse to `w:\windmill\files\DataSplice3\skel` and copy the `cleanup_files.bat` file.
- Browse to `w:\windmill\files\DataSplice3\Build98` and paste the file.
- Double-click the `cleanup_files.bat` file to execute it. If it runs successfully, it should create a `Resources` folder.
- Delete the `cleanup_files.bat` file from this folder after it runs successfully. The new version of the DataSplice package is now available.

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## Updating the Appropriate Configuration Files

Once the software package files have been configured, as described in the previous section of this manual, the corresponding configuration file on the Windmill Server computer needs to be set up accordingly. For the sake of simplicity, this explanation assumes that the new build is number 98, and that the mapped `w:\` drive location points to the `wwwroot` directory for Windmill on Microsoft Internet Information Server (IIS).

- With Windows Explorer on the Windmill Server computer, browse to `w:\Windmill\files\DataSplice3\skel`.
- Copy the `DS3-Build[xx].xml` file.
- Browse to `w:\Windmill\config` and paste the file.
- Rename the file to `DS3-Build98.xml`.
- Open the `DS3-Build98.xml` file in a text editor, such as Notepad or a similar program, and perform the following changes:
  - Update the contents of the **<version>** tag from `3.0.[xx]` to `3.0.98`.
  - Update the contents of the **<baseDirectory>** tag from `DataSplice3/Build[xx]` to `DataSplice3/Build98`.
  - Update the contents of the **<groups>** tag to replace `nobody` with the actual Windmill group name you are using.
- Save and exit the `DS3-Build98.xml` file. The defined Windmill group should now have access to the new package.

# Upgrading Mobile Devices

Once the DataSplice Server and associated plug-ins have been upgraded, it is important to ensure that all Remote Client installations are upgraded as well. While we do strive to keep newer versions of DataSplice backwards compatible as much as possible, upgrading the Remote Client on all mobile devices ensures that they are able to fully utilize the improved features and performance of the new version.

For those Remote Client applications that are installed on mobile devices, there are two distinct ways to perform the upgrade.

- **Upgrading Mobile Devices with Windmill**
- **Upgrading Mobile Devices Manually**

## Upgrading Mobile Devices with Windmill

- Once the configuration items for your Windmill group have been updated on the Windmill Server, as discussed in a previous section of this manual, the Windmill Client application can be used to install the appropriate software. Using Windmill is the preferred upgrade method over a manual installation process, as Windmill offers a more efficient and user-friendly installation process. In this manner, the Windmill provisioning service greatly simplifies the upgrade process for mobile devices. To complete the upgrade process on mobile devices using Windmill, complete the steps detailed in the [Windmill Client manual](#).

## Upgrading Mobile Devices Manually

If the Windmill provisioning service is not being used, the DataSplice Remote Client files can be updated manually. So as not to create redundant instructions, the steps for manually upgrading the Remote Client on a mobile device are detailed in the [manual mobile installation section of the DataSplice installation manual](#).