

# **DataSplice®**

## **Mobile Computing**

### **DataSplice 2.3.x to 3.0.x Transition Roadmap**

**Revised: 3/20/2006**



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# Introduction

## Purpose

This manual details information pertaining to the migration of existing DataSplice 2.3.x administration skills to that of DataSplice 3.0.x. The primary focus is on the workings of the Administration Client, although certain topics also relate to the Remote Client. For additional details about the 3.0.x Administration Client and Remote Client, see the [Administration Client manual](#) and [Remote Client manual](#), respectively.

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

## Audience

This document is intended for administrators who already have a comprehensive understanding of DataSplice 2.3.x and wish to migrate those skills and processes to the new DataSplice 3.0.x product release.

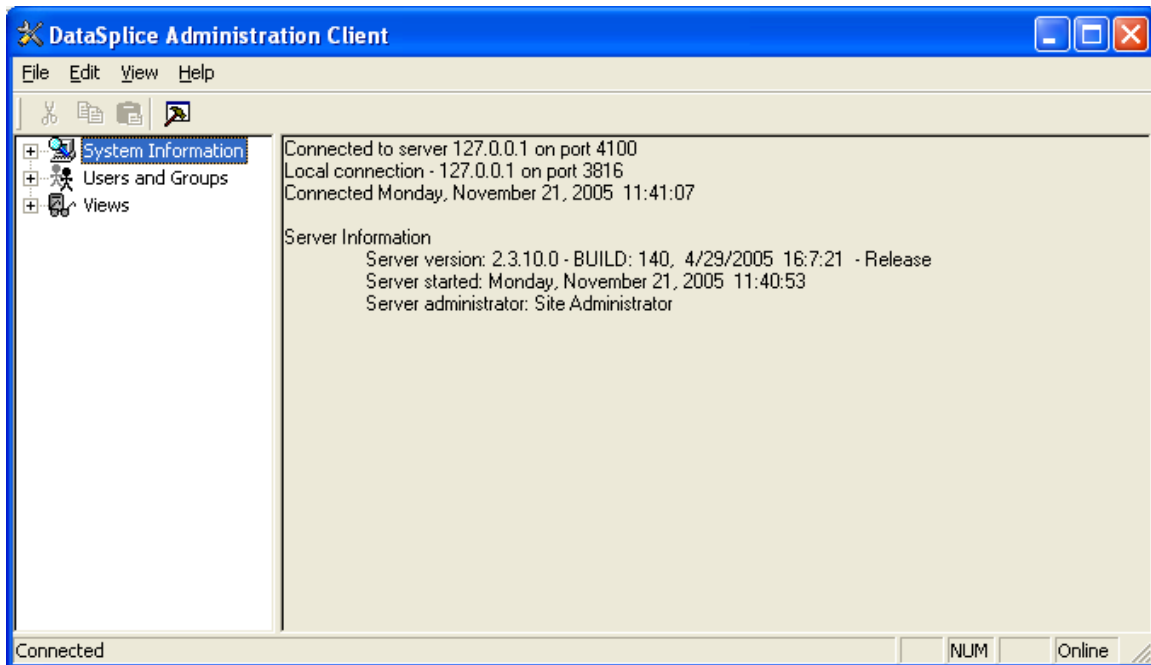
## Version Information

The information in this manual is valid for DataSplice version **3.0.x**.

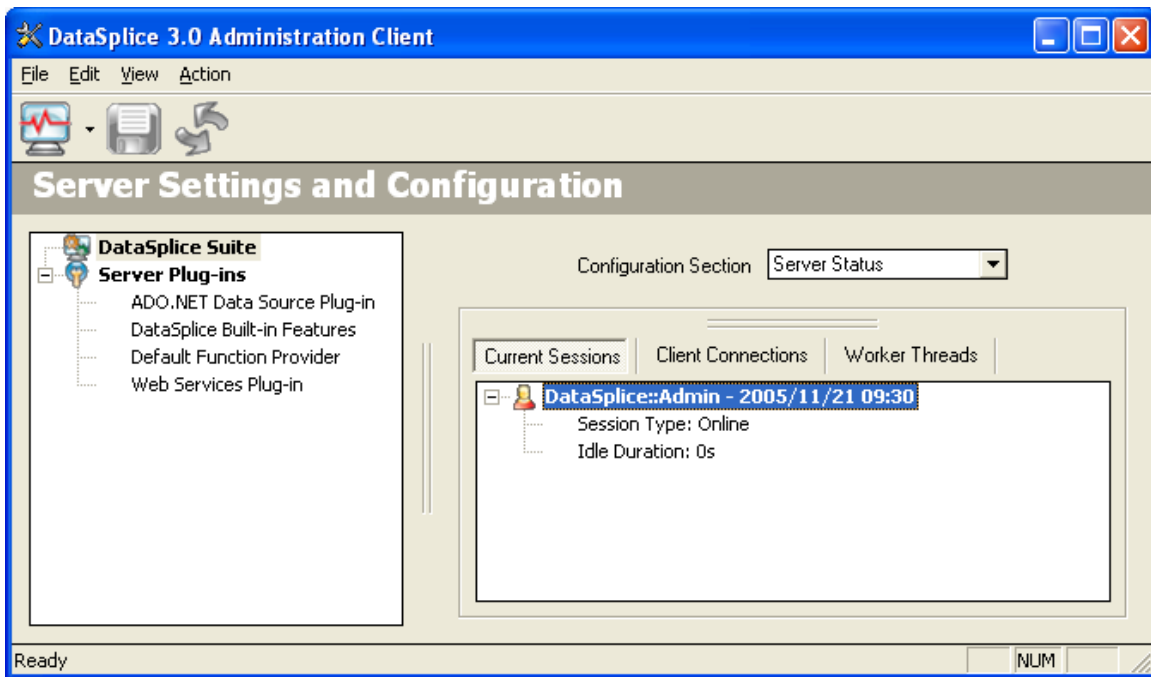
# Administration Client Comparisons

The DataSplice Administration Client has changed considerably from version 2.3.x to 3.0.x. Some of the crucial differences are compared in the following sections of this document. For a detailed examination of the 3.0.x Administration Client, see the corresponding [DataSplice Administration Client manual](#).

## DataSplice 2.3.x Administration Client



## DataSplice 3.0.x Administration Client




## Important Administration Client Comparisons

- [Saving Configuration Settings](#)
- [Multiple Item Selection](#)
- [Attribute Presentation](#)
- [Licensing](#)
- [Database Connections](#)
- [Group Membership](#)
- [Query Attributes](#)
- [View Permissions](#)
- [View Settings](#)
- [View Queries](#)
- [View Preview](#)
- [Filter Editor](#)
- [Event Processing](#)
- [Hotkey Mapping](#)


# Saving Configuration Settings

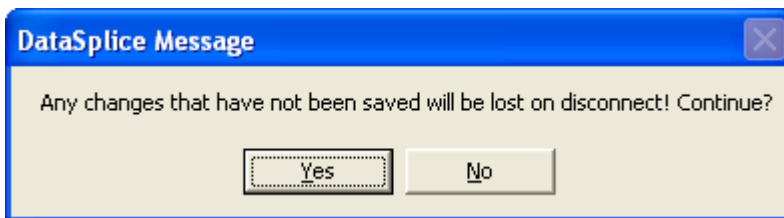
The process used to save changes while configuring the Administration Client has changed from version 2.3.x to 3.0.x.

## DataSplice 2.3.x

In DataSplice 2.3.x, committing changes permanently was a two-step process. One type of save, involving the **Update** button , committed changes *to memory*. With this button, the changes were immediately visible the next time the Remote Client connected to the DataSplice Server, but the changes were not saved permanently to disk on the server machine. The other type of save was performed by using the **File** menu and choosing **Save Server Config**. This save committed the changes permanently to disk. It was important to remember to perform this type of save in addition to the **Update** button save if multiple configurations were being performed. If there were changes still pending and the administrator disconnected from the Administration Client without clicking the **Save Server Config** menu item, those changes were permanently lost.

## DataSplice 3.0.x

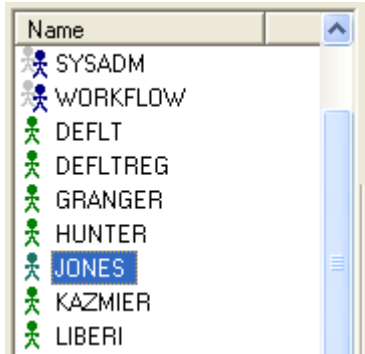
The saving process has been consolidated for DataSplice 3.0.x. While changes are being made, nothing is committed to memory or disk until the **Save Changes** button  is clicked. This button saves the changes to both memory and disk. If changes are pending and the administrator disconnects, a message prompt is displayed to allow the changes to be saved and not lost. This feature was not included in DataSplice 2.3.x.



# Multiple Item Selection

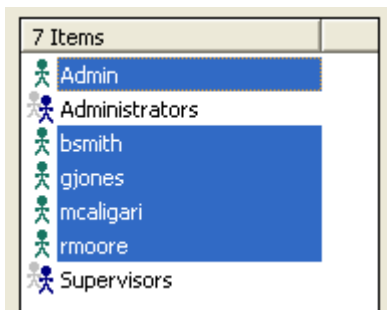
## DataSplice 2.3.x

In DataSplice 2.3.x, items generally had to be selected one at a time. This proved to be rather time consuming, especially when dealing with areas containing a large number of items, such as users & groups or view permissions.



## DataSplice 3.0.x

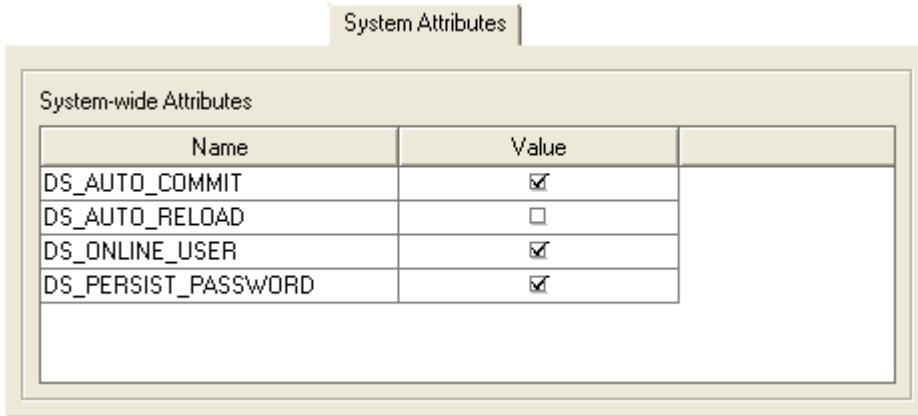
In most areas where numerous items are listed, the DataSplice 3.0.x Administration Client provides the ability to easily select multiple items by using the standard CTRL or SHIFT key functions while clicking or selecting the desired items.



# Attribute Presentation

## DataSplice 2.3.x

In the DataSplice 2.3.x Administration Client, the built-in attributes were presented in their stored format with the DS\_ prefix.

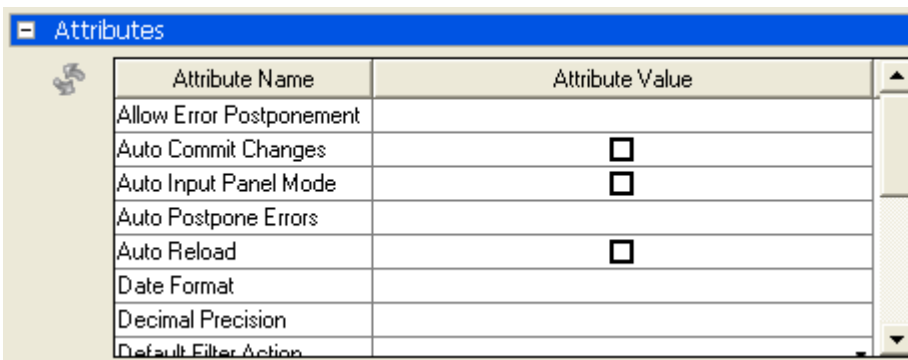


The screenshot shows a window titled "System Attributes" with a sub-header "System-wide Attributes". It contains a table with the following data:

Name	Value
DS_AUTO_COMMIT	<input checked="" type="checkbox"/>
DS_AUTO_RELOAD	<input type="checkbox"/>
DS_ONLINE_USER	<input checked="" type="checkbox"/>
DS_PERSIST_PASSWORD	<input checked="" type="checkbox"/>

## DataSplice 3.0.x

In DataSplice 3.0.x, built-in attributes are still stored in the format having a DS\_ prefix. The presentation of these attributes in the Administration Client, however, has been improved. Administrators are presented with user-friendly versions of the attributes, without the DS\_ prefix. The improved titles are clearer and more descriptive of their respective purposes.



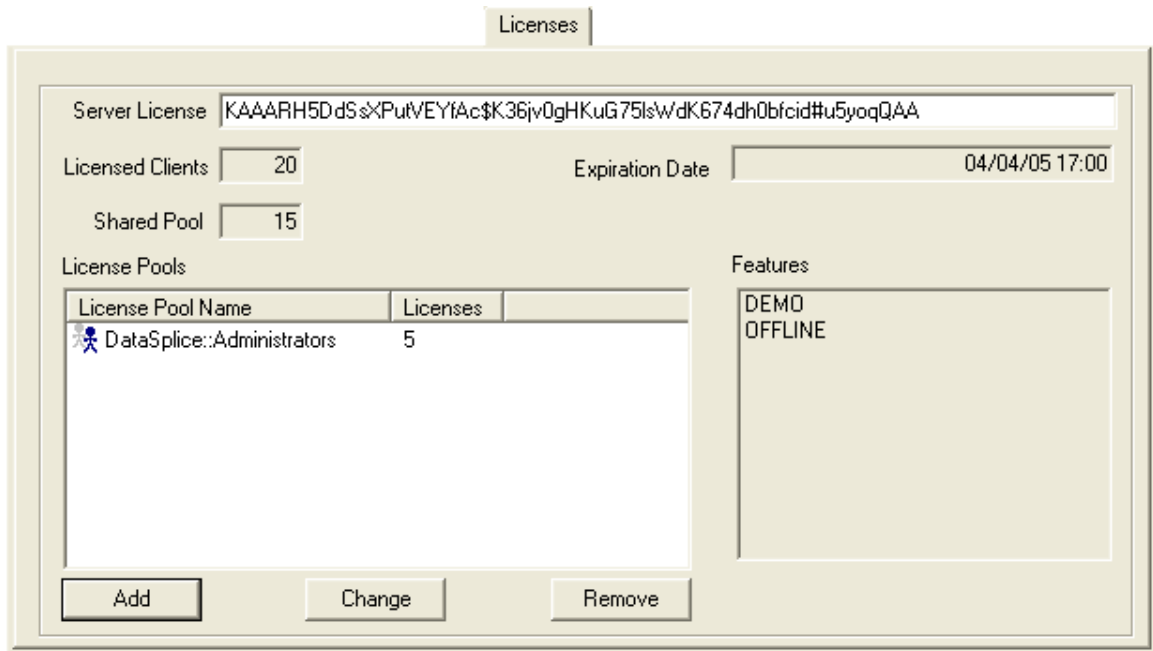
The screenshot shows a window titled "Attributes" with a table listing various system attributes. The table has two columns: "Attribute Name" and "Attribute Value".

Attribute Name	Attribute Value
Allow Error Postponement	
Auto Commit Changes	<input type="checkbox"/>
Auto Input Panel Mode	<input type="checkbox"/>
Auto Postpone Errors	
Auto Reload	<input type="checkbox"/>
Date Format	
Decimal Precision	
Default Filter Action	

# Licensing

## DataSplice 2.3.x

Licenses in DataSplice 2.3.x were handled by license keys. These were long strings consisting of various numbers, letters, and other characters. A license key was generated for a specific server computer with a given MAC address. When entered into the Administration Client, the license key enabled product functionality, the available number of users, and the expiration date (if any).



## DataSplice 3.0.x

Licenses in DataSplice 3.0.x are handled by license files. License files fall into two categories:

- **Server License** - Enables core functionality of the DataSplice product.
- **Product License** - Provides access to different product groups.

A server license is required to provide the ability to develop within the Administration Client interface, similar to the license key used in version 2.3.x. Depending on the settings within the server license file, the server can be a *development* instance or a *point solution*. Point solutions do not include many of the development features within the Administration Client.

In addition to providing different levels of server configuration capabilities, licensing in 3.0.x can be used to control access to different product groups. This is handled by product

licenses. There can any number of product licenses, with each corresponding to a particular product group. Product groups are in turn tied to individual views.

Configuration Section License Settings

---

▣ Server License Information

Server Key 7SHLqTKX

Production Key  

Expiration Date  

Date Issued September 23 2005

▣ Product License Information

Product Name	License Count	Expiration Date	Date Issued	Valid License
Maximo Inventory	100		September 23...	<input checked="" type="checkbox"/>
Maximo Common	100		September 23...	<input checked="" type="checkbox"/>
DataSplice Com...	100		November 16...	<input checked="" type="checkbox"/>

## Additional Information

For further information about licensing in 3.0.x, see the corresponding [licensing](#) section of the [DataSplice Administration Client manual](#).

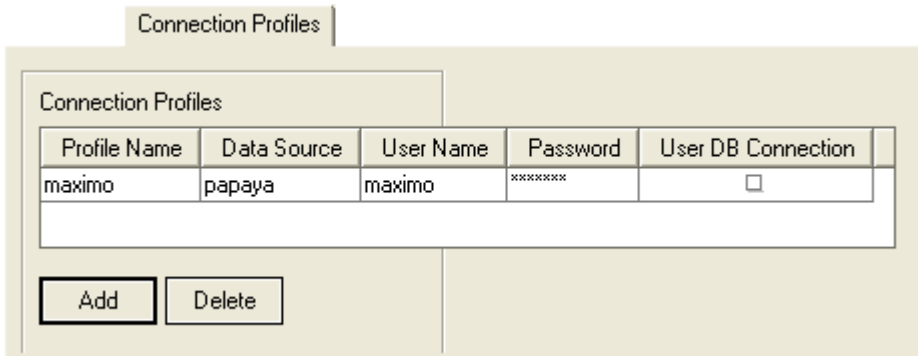
# Database Connections

One of the most fundamental differences between DataSplice 2.3.x and 3.0.x is the way that data sources are accessed.

## DataSplice 2.3.x

In DataSplice 2.3.x, database connections were accomplished by using open database connectivity (ODBC). For each database of interest, a corresponding data source name (DSN) had to be properly configured on the same server computer on which the DataSplice Server resided. While this provided the ability to communicate with a large number of databases, it also created substantial overhead. By its very nature, ODBC has a fair amount of overhead to deal with. In addition, ODBC is somewhat limited in the types of data sources that it can connect to.

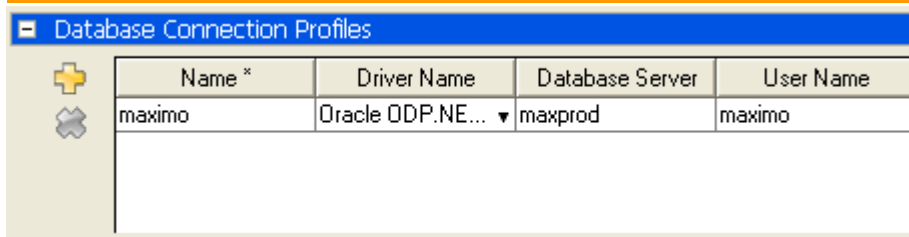
Connection profiles were managed by the DataSplice Server, and were configured in the **Connection Profiles** tab of the Administration Client.



## DataSplice 3.0.x

In DataSplice 3.0.x, connections to data sources are handled by a specialized plug-in, rather than the DataSplice Server itself. This plug-in uses ADO.NET to provide increased flexibility and data source connectivity possibilities. This format uses specific native drivers to connect to different databases. The configurations are also simpler, since no ODBC DSNs need to be set up.

Connection profiles are managed by the data source plug-in. Configurations for the data sources are handled in the configuration section of the ADO.NET data source plug-in.

A screenshot of a software window titled 'Database Connection Profiles'. The window has a blue header bar with the title. Below the header is a table with four columns: 'Name \*', 'Driver Name', 'Database Server', and 'User Name'. The table contains one row with the following values: 'maximo', 'Oracle ODP.NE...', 'maxprod', and 'maximo'. To the left of the table are two icons: a yellow plus sign and a grey minus sign.

Name *	Driver Name	Database Server	User Name
maximo	Oracle ODP.NE... ▼	maxprod	maximo

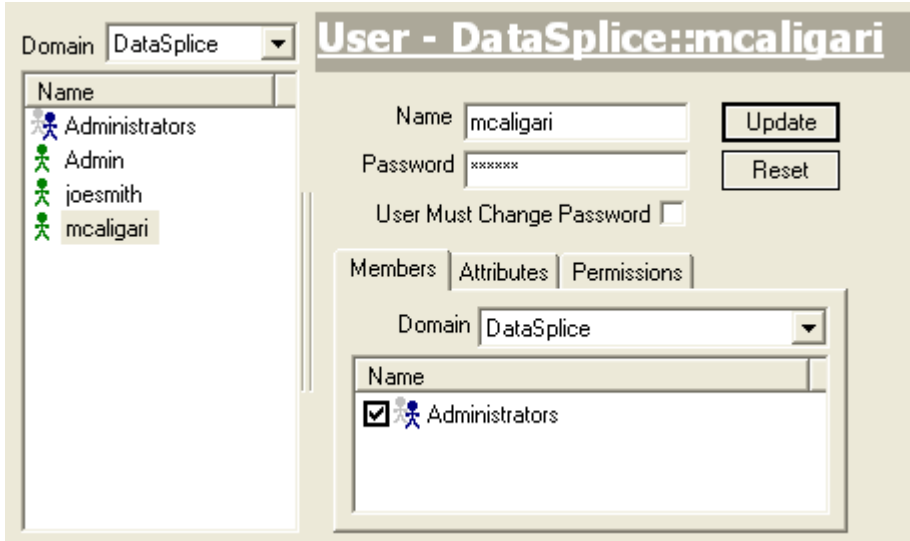
## Additional Information

For detailed ADO.NET plug-in configuration information, see the corresponding [ADO.NET data source plug-in](#) section of the [DataSplice Administration Client manual](#).

# Group Membership

## DataSplice 2.3.x

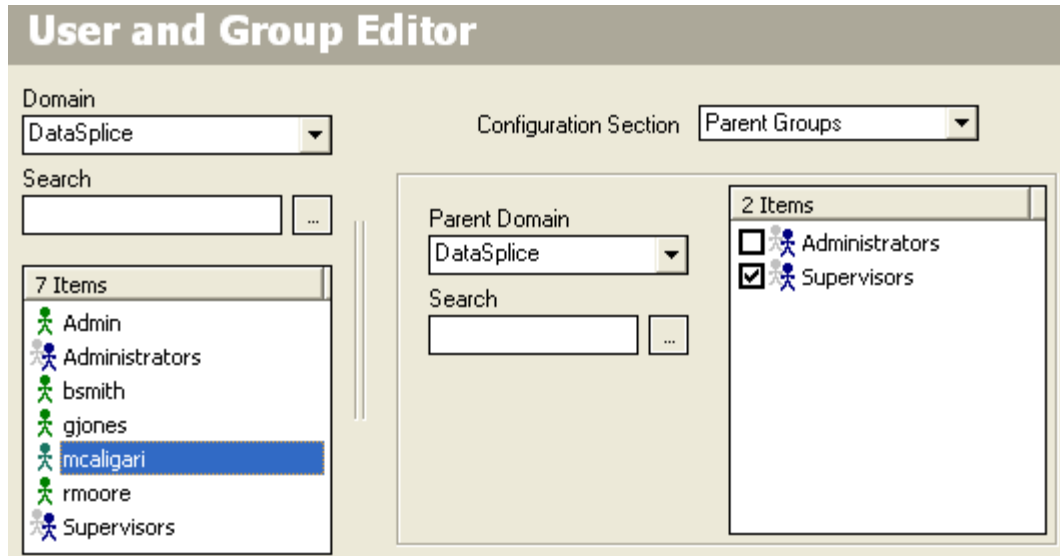
In DataSplice 2.3.x, users could reside in groups. While users could belong to multiple groups, this was the limit of the available group assignment.



## DataSplice 3.0.x

To provide even more powerful user management options, DataSplice 3.0.x supports the ability of groups to be members of other groups. Thus, users can be members of groups, which can in turn be members of other groups. In this manner, further group classification can be created for institutions where very complicated user management structures are in place.

## Users Assigned as Members of Groups



**User and Group Editor**

Domain: DataSplice

Configuration Section: Parent Groups

Search: [ ] ...

7 Items

- Admin
- Administrators
- bsmith
- gjones
- mcaligari
- rmoore
- Supervisors

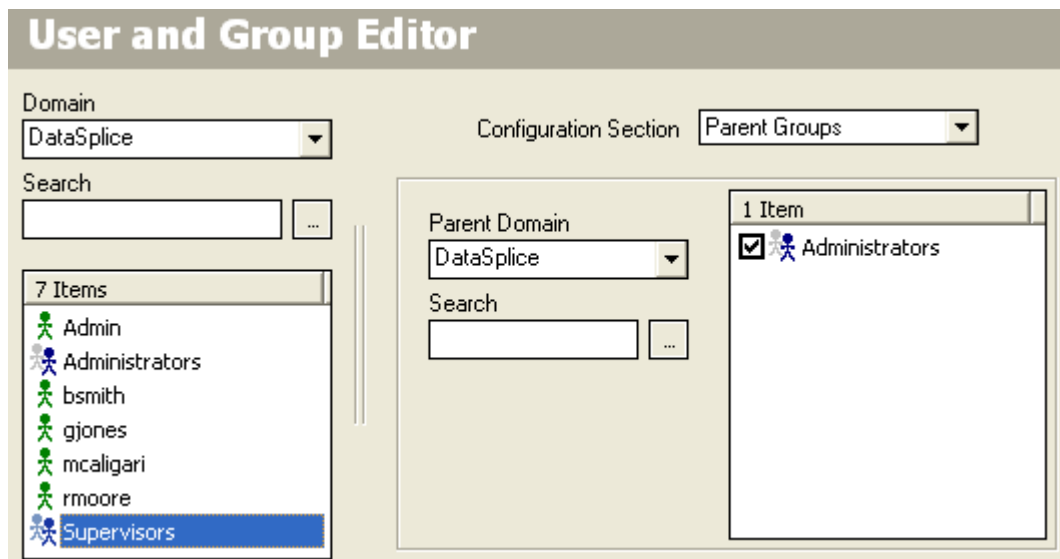
Parent Domain: DataSplice

Search: [ ] ...

2 Items

- Administrators
- Supervisors

## Groups Assigned as Members of Groups



**User and Group Editor**

Domain: DataSplice

Configuration Section: Parent Groups

Search: [ ] ...

7 Items

- Admin
- Administrators
- bsmith
- gjones
- mcaligari
- rmoore
- Supervisors

Parent Domain: DataSplice

Search: [ ] ...

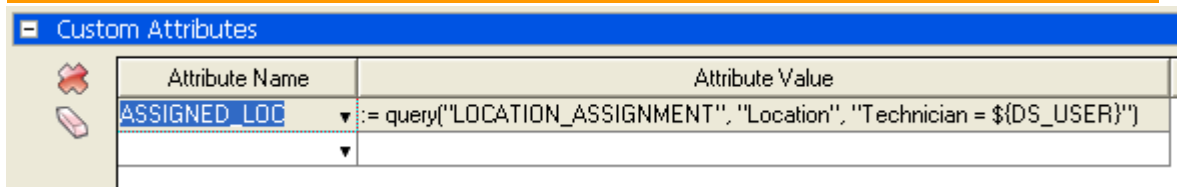
1 Item

- Administrators

## Additional Information

For further information about user and group assignments in 3.0.x, see the corresponding [user/group settings](#) section of the [DataSplice Administration Client manual](#).



A screenshot of a software interface titled 'Custom Attributes'. It shows a table with two columns: 'Attribute Name' and 'Attribute Value'. The first row contains the attribute name 'ASSIGNED\_LOC' and its value ':= query("LOCATION\_ASSIGNMENT", "Location", "Technician = \${DS\_USER}"). There are icons for adding, deleting, and editing attributes on the left side of the table.

Attribute Name	Attribute Value
ASSIGNED_LOC	:= query("LOCATION_ASSIGNMENT", "Location", "Technician = \${DS_USER}")

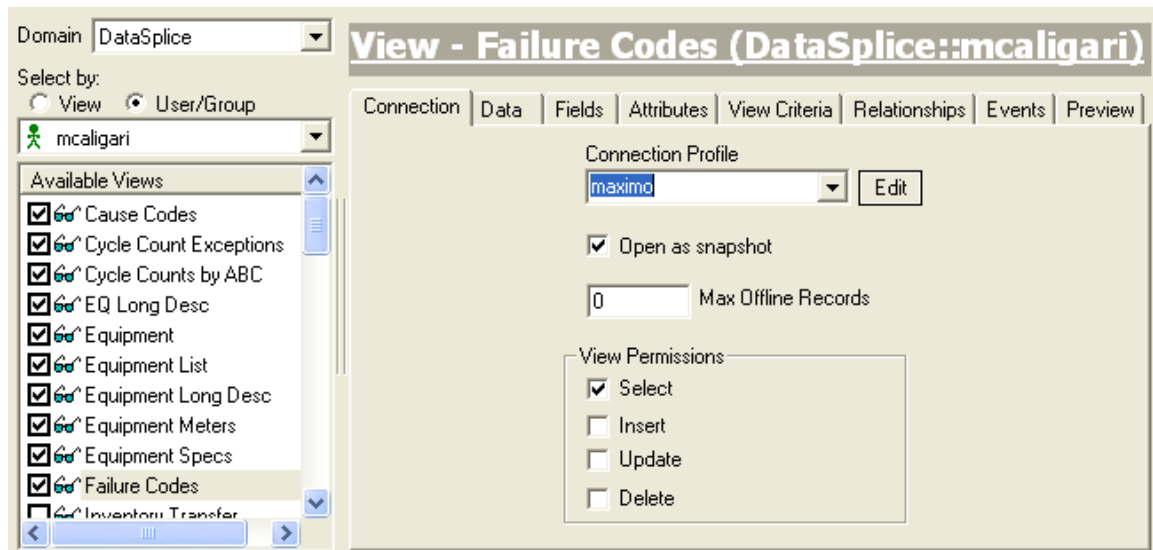
## Additional Information

For additional information about the syntax and supported functions of the attribute expression language, see the corresponding [attribute expression language](#) reference section of the [DataSplice Administration Client manual](#).

# View Permissions

## DataSplice 2.3.x

In addition to basic access to views, the view permissions in DataSplice 2.3.x controlled various levels of access customization for users and groups. Once a user had access to a view within the view permissions area, all of the different view settings could be altered for that user.



## DataSplice 3.0.x

In DataSplice 3.0.x, view permissions are limited to binary settings of either having access or not. Access customizations at the user or group level are now handled strictly by attributes.

Configuration Section





---

**Product Permissions**

3 Items	
<input checked="" type="checkbox"/>	Maximo Inventory
<input checked="" type="checkbox"/>	Maximo Common
<input checked="" type="checkbox"/>	DataSplice Common

**View Permissions**

Search

4 Items	
<input checked="" type="checkbox"/>	 test
<input checked="" type="checkbox"/>	 Physical Count
<input checked="" type="checkbox"/>	 Search Inventory
<input checked="" type="checkbox"/>	 Equipment

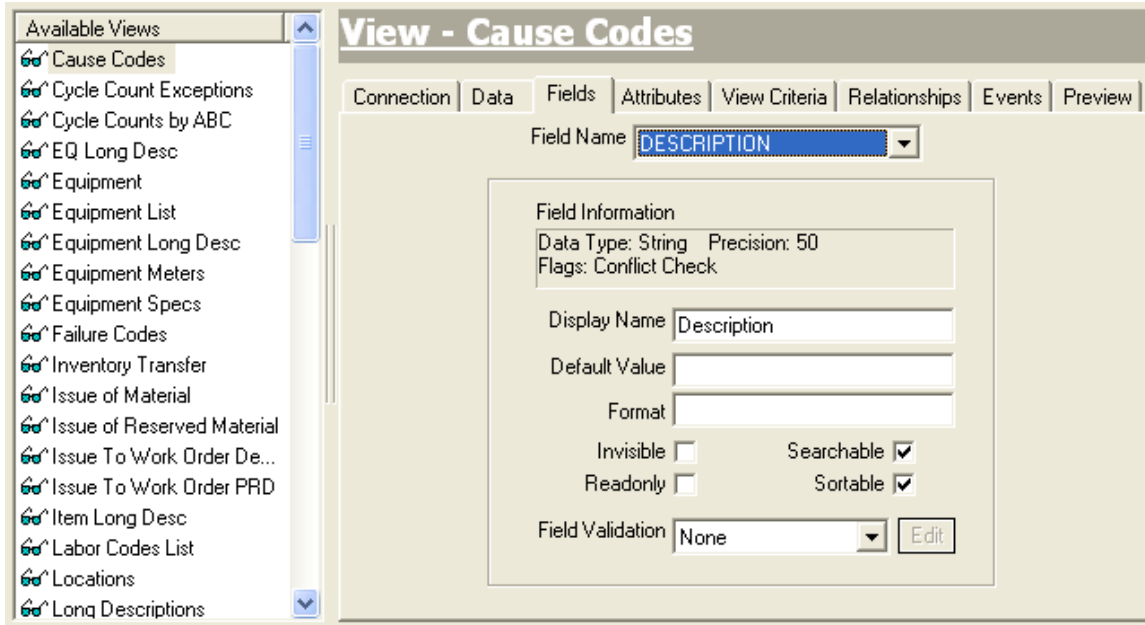
## Additional Information

For further information about view permissions, see the corresponding [view permissions](#) section of the [DataSplice Administration Client manual](#).

# View Settings

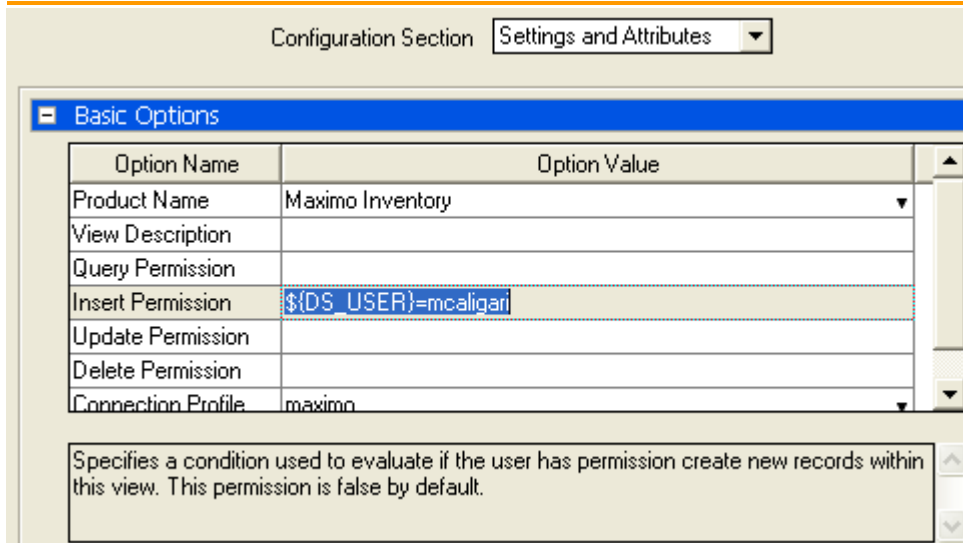
## DataSplice 2.3.x

Basic view settings in DataSplice 2.3.x accepted Boolean values, regular characters, and attributes.



## DataSplice 3.0.x

View settings in DataSplice 3.0.x support the same level of basic settings as existed in the previous versions. But rather than being limited to static settings and Boolean values, the view settings also accept conditional statements. These conditions can be evaluated dynamically at run-time to produce a `true` or `false` setting or a particular value of interest.



## Additional Information

For further information, see the corresponding [settings and attributes](#) section of the [DataSplice Administration Client manual](#).

# View Queries

## DataSplice 2.3.x

In DataSplice 2.3.x, relationships and defined criteria sets were separated into two separate areas of the Administration Client:

Connection	Data	Fields	Attributes	View Criteria	Relationships	Events	Preview
Relationship Name				Target View			
Test Relationship				Search Inventory			

Connection	Data	Fields	Attributes	View Criteria	Relationships	Events	Preview
Criteria Name			Type				
Filter Out WOs by Status			Mandatory				
Offline Criteria			Offline				
Default Criteria			Default				

Relationships allowed for queries to be used to navigate to other related views within the context of the current record. View criteria allowed for different pre-defined filters to be created for different scenarios, with the following possible options:

- **Default Criteria** - This criteria type is used to set up initial filtering of view data. It does not restrict what the users can filter on from the Remote Client, and is primarily designed for online sessions.
- **Mandatory Criteria** - This criteria type is used to control what data can be seen regardless of session type. It gets applied for both online and offline sessions, and is not changeable by the user.
- **Offline Criteria** - This criteria type is used to control what data gets cached offline when clients request an offline session.

## DataSplice 3.0.x

In DataSplice 3.0.x, view relationships and criteria have been consolidated into a single section called **Queries and Relationships**. Relationships function as they did in version 2.3.x. The criteria types from 2.3.x have been replaced as follows:

- **Default Criteria** - The **Default Query** attribute specifies the default filter settings to display. This query must target the same view.
- **Mandatory Criteria** - The query event chain can contain *Modify Filter* actions that will append filter criteria to user-submitted queries.

- **Offline Criteria** - Queries now have an *Offline Condition* setting which specifies when they should be available offline.

Configuration Section Queries and Relationship ▾

[-] Select Query To Edit - Search Item

2 Items	Details
<div style="background-color: #e0e0e0; padding: 2px;">Search Item</div> Query on Status	

[-] Basic Settings

Target View	<input type="text" value="Physical Count"/>
Navigation Action	<input type="text" value="Display Grid"/>
Navigation Condition	<input type="text"/>
Offline Condition	<input type="text"/>
Max Offline Records	<input type="text" value="0"/>

[+] Filter

[+] Sorting

## Additional Information

For further information, see the corresponding [queries and relationships](#) section of the [DataSplice Administration Client manual](#).

# View Preview

During the configuration process within the Administration Client, it is often beneficial to periodically preview some of the view data.

## DataSplice 2.3.x

Previewing view information in the DataSplice 2.3.x Administration Client provided basic functionality and general information. Many tasks could not be completed, such as inserts and updates, because the credentials to commit these changes to the back-end system did not readily exist for the current admin user.

Connection	Data	Fields	Attributes	View Criteria	Relationships	Events	Preview
ID	NAME	DESCRIPTION					
1	Test1	First Test User					
2	Test2	Second Test User					


## DataSplice 3.0.x

The view preview area in DataSplice 3.0.x has been expanded to be more comprehensive.

Configuration Section View Preview

Preview Mode Default

User Masquerade DataSplice::mcaligari Change



Equipment ▼						
EQNUM	PARENT	SERIALNUM	ASSETNUM	LOCATION	DESCRIPTION	V
A5000		1FUyDMDB2S...		TORTERM	95 FLD112 TRA...	AT
A5001		1FG44R093433		DALTERM	95 FLD112 TRA...	GS
A5003		1FG4409338765		LATERM	95 FLD112 TRA...	GS
591666		2FUy0870980...		5452	Class 6 Truck	NA
444163		1BN2B39KP20...		LBR22	Tridem Trailer, Al...	AT
444164		1BN2B39KP73...		LBR22	Tridem Trailer, Al...	AT
444165		1BN2B39KP83...		LBR22	Tridem Trailer, Al...	AT
444166		1BN2B39KP2...		LBR22	Tridem Trailer, Al...	AT
587933		WEOI0349556...		5452	Class 7 Truck	NA
591602		2FUy9087986...		5452	Class 8 Truck	NA

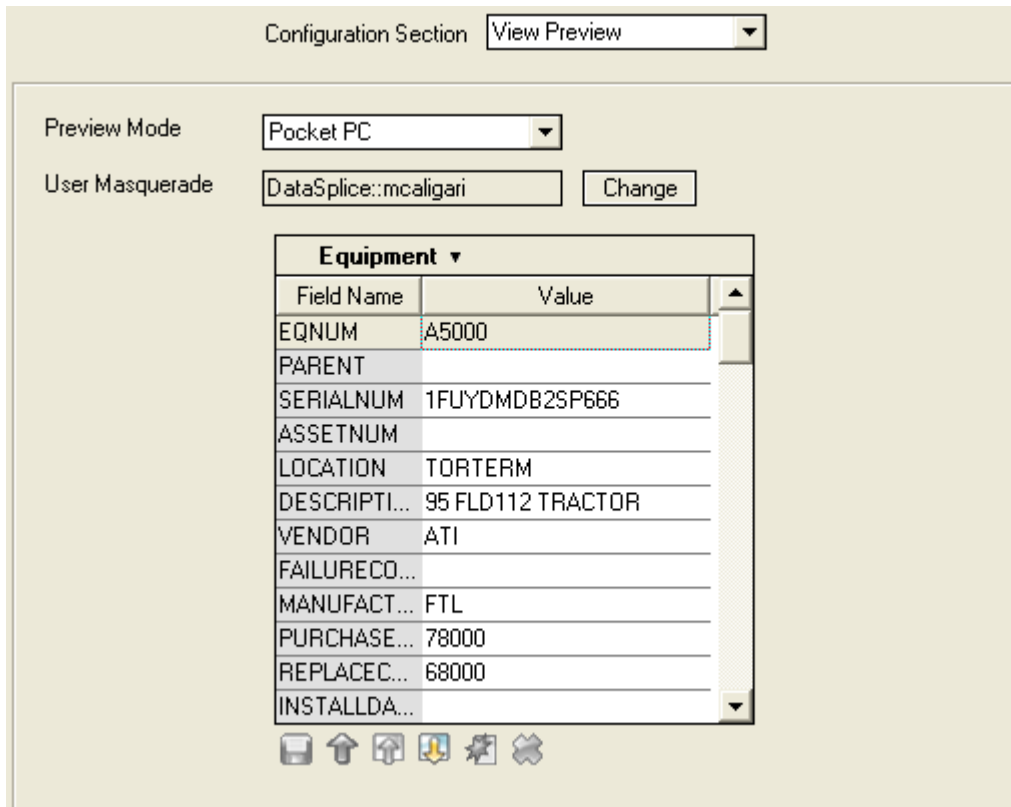
## User Masquerade

One of the powerful new features of DataSplice 3.0.x is the ability to preview views *as a specific user*. This process, known as *user masquerade*, lets the administrator interact with views in the preview area exactly as if he were logged into the Remote Client as the user in question. This is especially important because different users have different levels of access and different attribute associations. Masquerading as a user in the view preview area provides accurate permissions for the user in question from within the Administration Client environment.



## Pocket PC Preview Mode

Also new to 3.0.x is a Pocket PC preview mode. This specialized design emulates the environment of a Pocket PC mobile device, including the accurately-sized screen real estate and toolbar location.



## Additional Information

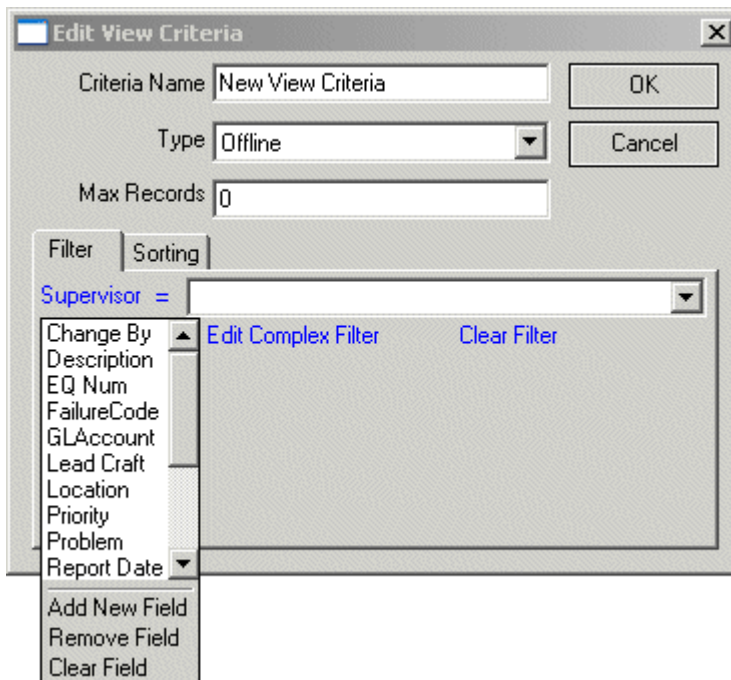
For further information, see the corresponding [view preview](#) section of the [DataSplice Administration Client manual](#).

# Filter Editor

## DataSplice 2.3.x

The filter editor in DataSplice 2.3.x was separated into multiple sections, including the general editor and a complex editor.

### General Filter Editor



**Edit View Criteria**

Criteria Name:

Type:

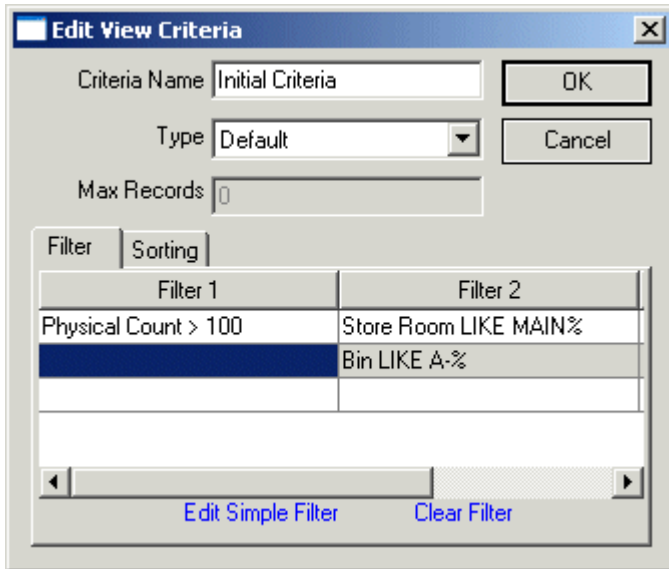
Max Records:

**Filter** | **Sorting**

Supervisor =

- Change By
- Description
- EQ Num
- FailureCode
- GLAccount
- Lead Craft
- Location
- Priority
- Problem
- Report Date

## Complex Filter Editor

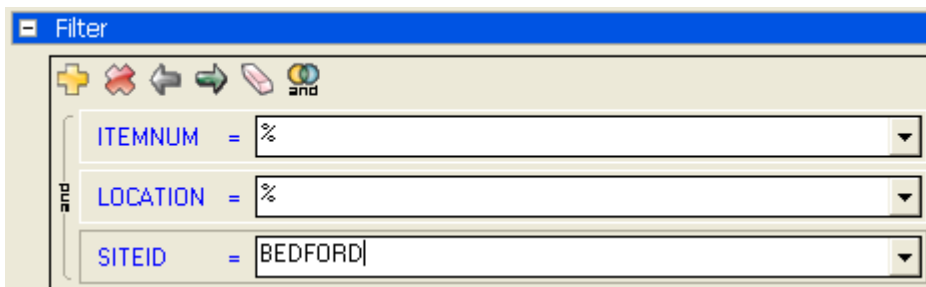


The operations such as adding an additional field, removing a field, etc. were included as entries at the bottom of the field listing.

## DataSplice 3.0.x

For DataSplice 3.0.x, the entire filter editor has been redesigned and streamlined. This eliminates the need for the complex filter editor.

### Filter Editor



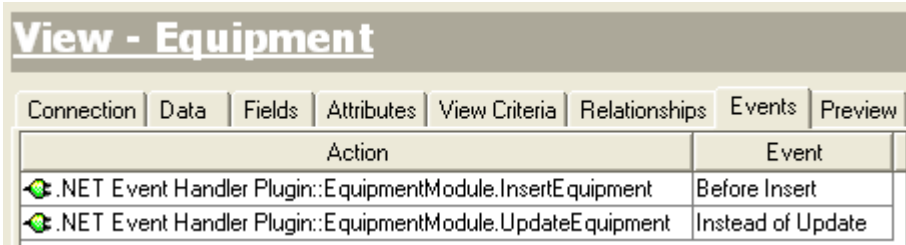
## Additional Information

For further information and examination of the filter editor in DataSplice 3.0.x, see the corresponding [filters](#) section of the [DataSplice Administration Client manual](#).

# Event Processing

## DataSplice 2.3.x

Event handling in DataSplice 2.3.x was performed by classifying the action under certain circumstances such as *Before*, *After*, or *Instead Of*.



View - Equipment							
Connection	Data	Fields	Attributes	View Criteria	Relationships	Events	Preview
Action						Event	
.NET Event Handler Plugin::EquipmentModule.InsertEquipment						Before Insert	
.NET Event Handler Plugin::EquipmentModule.UpdateEquipment						Instead of Update	

## DataSplice 3.0.x

Event handling is thoroughly expanded and revised in the 3.0.x version. Events can be placed in a chain that gets initiated by a specific action:

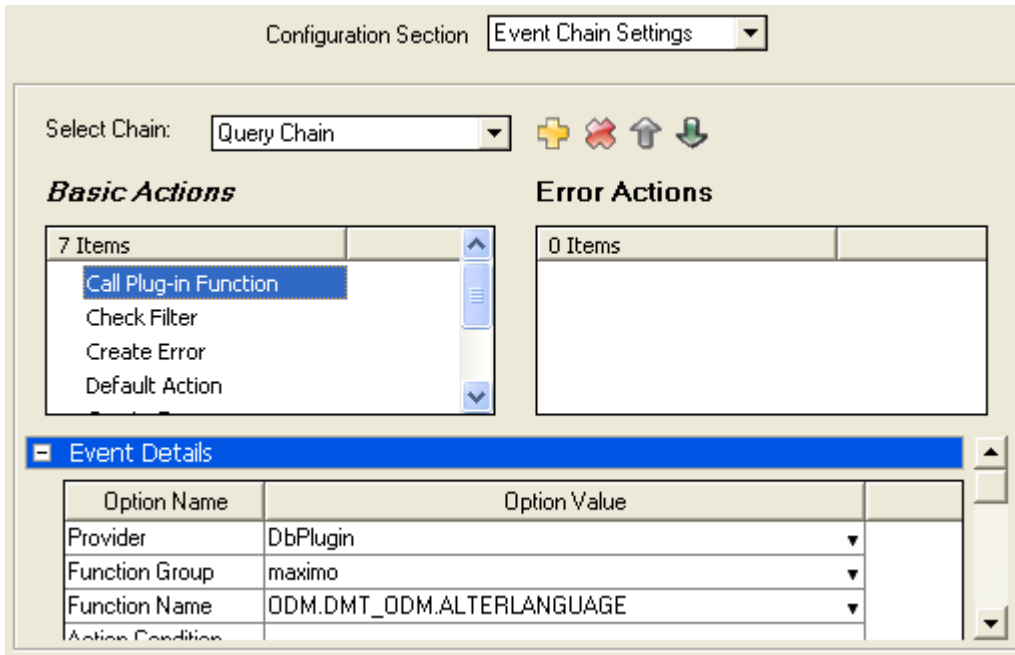
- **Query**
- **Insert**
- **Update**
- **Delete**

These chains can contain any number of events, which then occur in the defined order. In addition, several new event action types have been added:

- **Error Action** - Sends an error message to the client based on a particular condition.
- **Check Filter Action** - Requires that one or more fields are present in a query before it is executed against the target data source.
- **Modify Filter Action** - Appends filter items to the user specified query, which replaces the old *Mandatory Criteria* functionality.
- **Modify Attributes Action** - Adds/changes values in the attribute map before passing it on to the next action.
- **Abort Chain Action** - Aborts event processing and returns the current status (success or failure).

Also, the ability to send emails and call database procedures has been removed from the DataSplice Server and relocated in .NET plug-ins. Emails can be sent through Microsoft Exchange servers and well as with SMTP. For database procedures, the administrator no longer has to enter the procedure name; the list of available functions is automatically displayed.

In addition, actions are no longer explicitly marked as being *Before*, *After*, or *Instead Of* the underlying database action. There is a *Default Action* event type that can be part of the chain. This action can be placed anywhere in the chain, or deleted to have the same functionality as the old *Instead Of* actions.



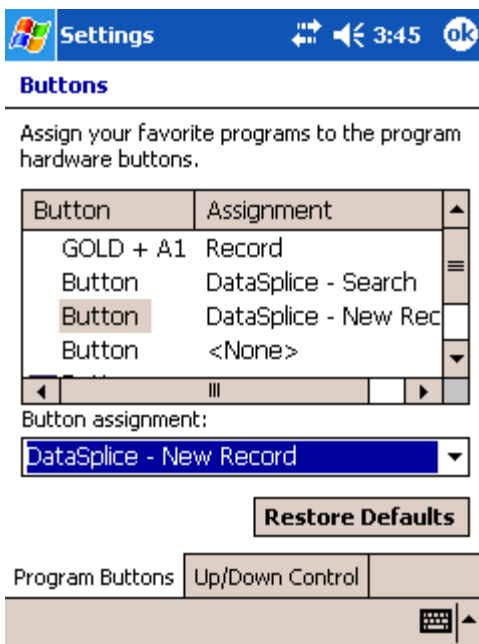
## Additional Information

For further information, see the corresponding [event chain settings](#) section of the [DataSplice Administration Client manual](#).

# Hardware Button Mapping

## DataSplice 2.3.x

In DataSplice 2.3.x, the ability to map hardware buttons to specific DataSplice events on a Pocket PC device was enabled by the `ButtonHelper.exe` file. Then the DataSplice events were mapped to the specific hardware hotkeys on the **Buttons** screen in Pocket PC (**Start > Settings > Personal tab > Buttons**). These settings were then effective system-wide, whether the DataSplice Remote Client was even running on the mobile device or not.



## Supported Events

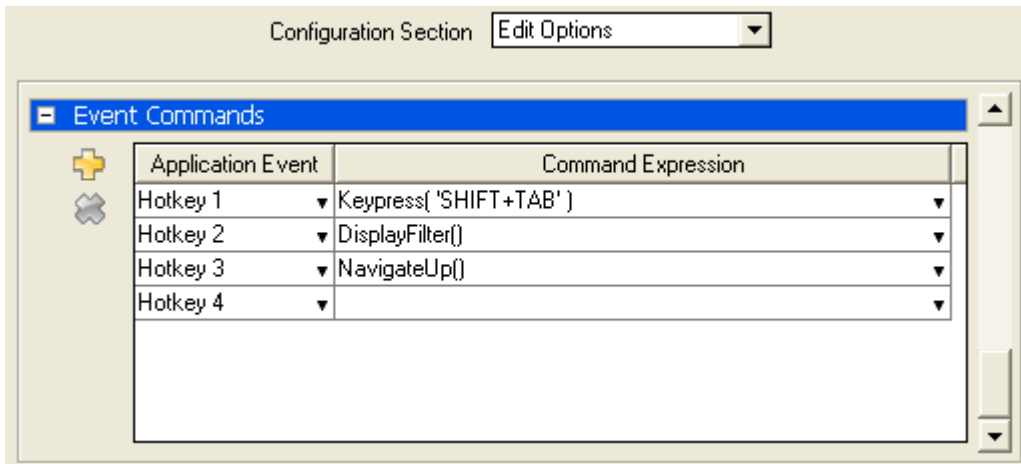
The following events were supported in DataSplice 2.3.x as possible options to map hardware buttons to:

- Clear Screen
- Commit Changes
- Delete Record
- Get Offline Data
- Login Screen
- Narrow Search
- Navigate Back
- New Record
- Next Page
- Previous Page
- Reset Record

- Search
- Toggle Connection
- View List

## DataSplice 3.0.x

In DataSplice 3.0.x, hardware buttons are enabled on mobile devices by accessing built-in DataSplice Server functionality. DataSplice events are mapped and configured directly within the Administration Client. The events are then only valid when the DataSplice Remote Client is running *as the active program* on the mobile device. When the Remote Client application is closed or minimized, the functionality of those hotkeys reverts to the system defaults. This is also true if a dialog box is open, as the dialog then has focus, and the DataSplice-assigned hotkeys will not have the desired effect until the dialog is closed and the Remote Client regains focus.



## Supported Events

Also new to DataSplice 3.0.x, many improved events are now available to the hardware hotkeys. These events are set up as functions which can accept certain arguments in the form of strings.

- Display Filter
- Display Grid
- Display Modifications
- Display Postponed Errors
- Display Query
- Display Record
- Display View
- Event Test
- Execute First
- Execute Sequence
- Keypress
- Menu

- Navigate Up
- View Selection

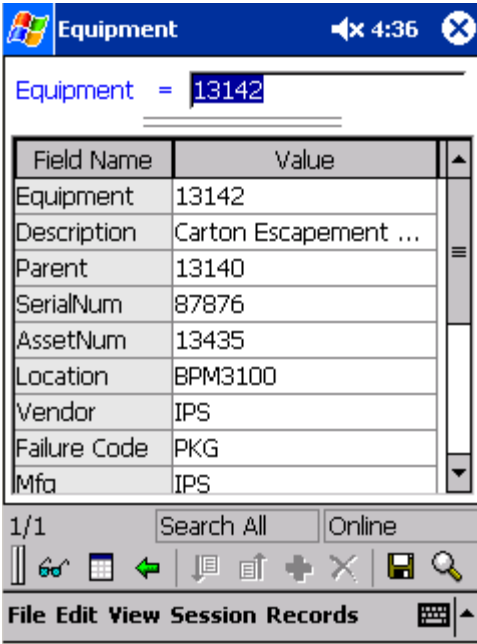
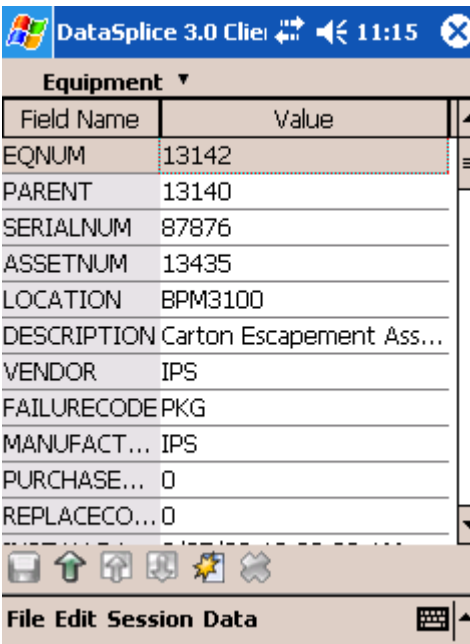
## **Additional Information**

For additional details, please see the corresponding [hotkey event commands](#) section of the [DataSplice Administration Client manual](#).

# Remote Client Comparisons

The 3.0.x Remote Client has made impressive strides towards a more user-friendly and intuitive experience. A few crucial differences are compared in the following sections of this document. For a detailed examination of the 3.0.x Remote Client, see the corresponding [DataSplice Remote Client manual](#).

## Remote Client Comparison at a Glance

DataSplice 2.3.x Remote Client	DataSplice 3.0.x Remote Client																																												
 <p>The screenshot shows the DataSplice 2.3.x Remote Client interface. At the top, there is a blue header bar with the Windows logo, the text 'Equipment', and a volume icon with '4:36'. Below the header, there is a search bar containing 'Equipment = 13142'. The main area is a table with the following data:</p> <table border="1"> <thead> <tr> <th>Field Name</th> <th>Value</th> </tr> </thead> <tbody> <tr><td>Equipment</td><td>13142</td></tr> <tr><td>Description</td><td>Carton Escapement ...</td></tr> <tr><td>Parent</td><td>13140</td></tr> <tr><td>SerialNum</td><td>87876</td></tr> <tr><td>AssetNum</td><td>13435</td></tr> <tr><td>Location</td><td>BPM3100</td></tr> <tr><td>Vendor</td><td>IPS</td></tr> <tr><td>Failure Code</td><td>PKG</td></tr> <tr><td>Mfg</td><td>IPS</td></tr> </tbody> </table> <p>At the bottom, there is a toolbar with icons for search, back, forward, and other functions. The status bar at the very bottom contains 'File Edit View Session Records'.</p>	Field Name	Value	Equipment	13142	Description	Carton Escapement ...	Parent	13140	SerialNum	87876	AssetNum	13435	Location	BPM3100	Vendor	IPS	Failure Code	PKG	Mfg	IPS	 <p>The screenshot shows the DataSplice 3.0.x Remote Client interface. At the top, there is a blue header bar with the Windows logo, the text 'DataSplice 3.0 Client', and a volume icon with '11:15'. Below the header, there is a dropdown menu for 'Equipment'. The main area is a table with the following data:</p> <table border="1"> <thead> <tr> <th>Field Name</th> <th>Value</th> </tr> </thead> <tbody> <tr><td>EQNUM</td><td>13142</td></tr> <tr><td>PARENT</td><td>13140</td></tr> <tr><td>SERIALNUM</td><td>87876</td></tr> <tr><td>ASSETNUM</td><td>13435</td></tr> <tr><td>LOCATION</td><td>BPM3100</td></tr> <tr><td>DESCRIPTION</td><td>Carton Escapement Ass...</td></tr> <tr><td>VENDOR</td><td>IPS</td></tr> <tr><td>FAILURECODEPKG</td><td></td></tr> <tr><td>MANUFACT...</td><td>IPS</td></tr> <tr><td>PURCHASE...</td><td>0</td></tr> <tr><td>REPLACECO...</td><td>0</td></tr> </tbody> </table> <p>At the bottom, there is a toolbar with icons for search, back, forward, and other functions. The status bar at the very bottom contains 'File Edit Session Data'.</p>	Field Name	Value	EQNUM	13142	PARENT	13140	SERIALNUM	87876	ASSETNUM	13435	LOCATION	BPM3100	DESCRIPTION	Carton Escapement Ass...	VENDOR	IPS	FAILURECODEPKG		MANUFACT...	IPS	PURCHASE...	0	REPLACECO...	0
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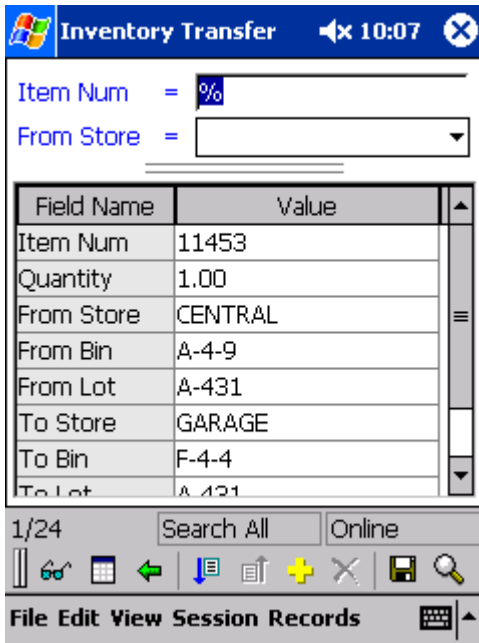
## Important Remote Client Comparisons

- [Remote Client Navigation](#)
- [Connection and Session Behavior](#)
- [Data Grid](#)

# Remote Client Navigation

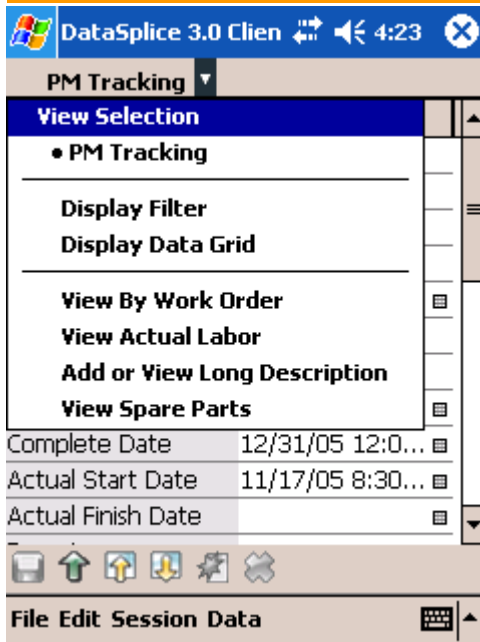
## DataSplice 2.3.x

Successfully navigating through the DataSplice 2.3.x Remote Client relied rather heavily on the use of the touch screen and stylus. While a menu existed, it did not provide many navigation options to the users. It was necessary to select views and navigation items by tapping them with the stylus on the touch screen.



## DataSplice 3.0.x

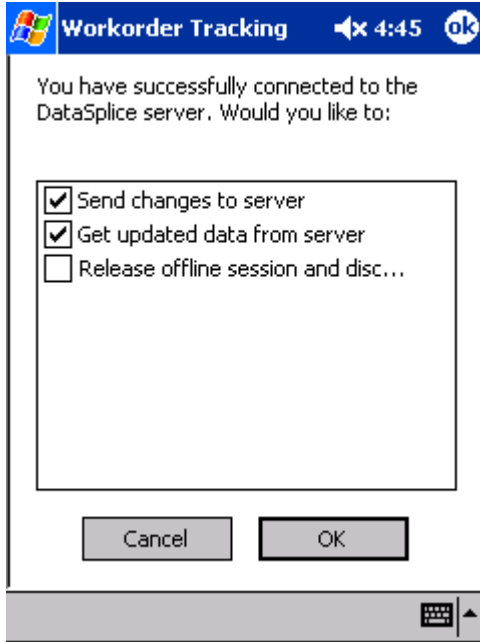
Moving around in the DataSplice 3.0.x Remote Client can be accomplished by selecting different items and queries from the navigation bar. When the ENTER key is pressed, the navigation bar opens. Items can then be selected from the list with the stylus, or they can be browsed with the keypad directional buttons. This makes it possible to successfully navigate throughout the Remote Client with or without the use of the touch screen and the stylus.



# Connection and Session Behavior

## DataSplice 2.3.x

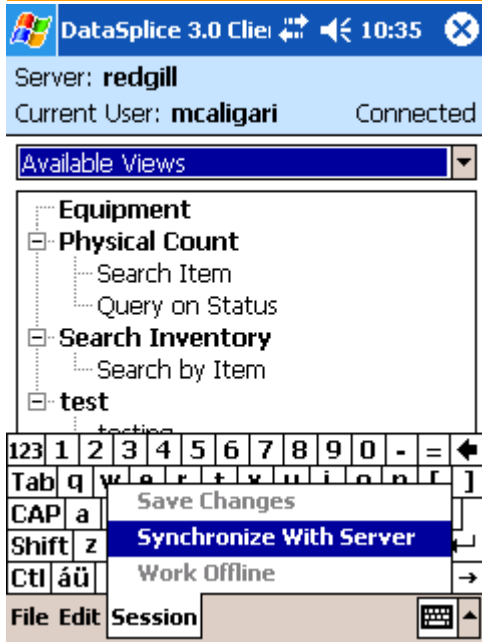
In DataSplice 2.3.x, all connections and sessions were explicitly initiated by the users. Offline data had to be manually selected for download.



## DataSplice 3.0.x

In DataSplice 3.0.x, connections are handled more gracefully by the Remote Client. The result is a more friendly experience for the user with fewer associated tasks. Connections do not need to be explicitly initiated by the user.

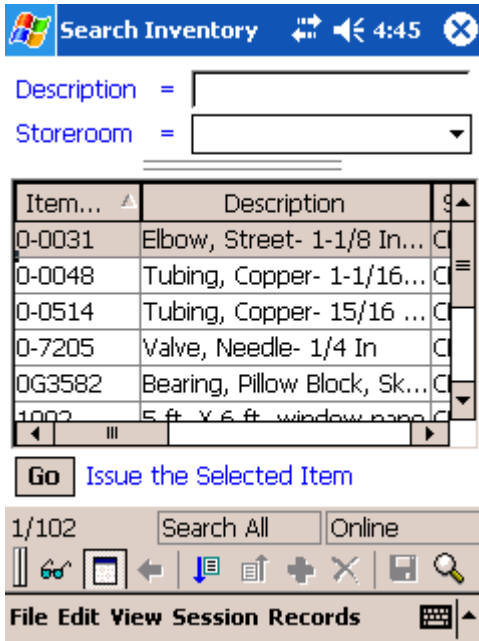
The desired offline behavior can be set at the system, user, or group level. This defined behavior then determines how, if at all, the user, group, or all users behave with respect to offline usage. If a connection is lost, either by the network or via an idle timeout, it can be reestablished simply by clicking **Session > Synchronize With Server**. Also available in the **Session** menu are options to explicitly work offline and to save pending changes.



# Data Grid

## DataSplice 2.3.x

In DataSplice 2.3.x, it was necessary to double click or hit the `ENTER` key while focused on a field before the field could be edited. It was also necessary to hit the `ENTER` key after entering a value in order for it to be taken into the field correctly.



## DataSplice 3.0.x

The data grid in DataSplice 3.0.x has been improved. It is no longer necessary to press the `ENTER` key to begin editing a cell. Rather, editable cells have the edit window displayed by default. In addition, the `TAB` key advances to the next editable field in the grid. This can be used to greatly simplify user input.

