



Impact:ECS version 6.3

New Features Overview

Impact:ECS version 6.3 offers a wide range of new features to improve the overall user experience. Whether you work with Impact:ECS as an administrator, model builder, programmer or core user, you will find benefits to upgrading to the latest release. We have intertwined the feedback from customers with advances in technology to offer you a more robust and flexible cost management solution.

Highlights of the latest release include:

New Forms Item Type available to create customized form interfaces to improve usability and increase data accuracy.

Improved reporting tools featuring parameterized reporting using Global Factor, session variable or Form variable data.

Event polling is available to improve controls surrounding Models by monitoring and tracking events that occur when tasks are executed on the server.

For more information on Impact:ECS, visit www.3csoftware.com.

Impact:ECS v6.3 Administration Features

Feature	Description	Feature	Description
Event Polling	Event polling enables Impact:EDC to monitor events, such as change of status, logging of a message, or others, that occur when a task executes on the server when network traffic from the server to the client is blocked.	Execute Folder Permissions	In addition to the View, Delete, and Modify permissions, Folders now have a permission to Execute. Within each folder, the Execute permission has a different intention based on the context.
Datalink Security	A server administrator can specify a list of server groups for each Datalink. Only those users who belong to one or more of the server groups in the list will be able to access the Datalink in a Query or Script.		Cost Object Folder - Recalculate Item in the Folder. Process or Calculation Folder - Invoke an Item in this Folder from a parent Cost Object or Process during recalculation. Query, Script or CostTalk Folder - Execute an Item in the Folder. Global Factor, Report or Label Folder - No effect.

Impact:ECS v6.3 Script Features

New Syntax for Calling Script Modules from other Script Modules	Users can invoke a Script from within a Script using the following syntax: <module name>.<function name> For example, the syntax <i>Utilities.FormatNumber</i> calls a function named <i>FormatNumber</i> within a module called <i>Utilities</i> .	New Functions Accessible from VBScript	<ul style="list-style-type: none"> * Groups.GroupNames * Groups.GetUserGroups * Groups.GetGroupMembers * GridProperties.GetRowProperties * GridProperties.GetCellProperties * GridProperties.GetColumnProperties * GridProperties.GetGridProperties * Users.GetUserNames
Executing Script Functions with Parameters	If a function in a Script Module accepts parameter, the value of those parameters can be supplied in the Select Function dialog launched when Tools > Execute is selected.	New Script Objects	The new Model object can be used wherever the Database object was used in previous versions of Impact:ECS.
Accessing Folder Group Permissions from Scripts	<i>GroupRights</i> is a new property added to the Folder object that allows a Script to obtain or modify the permissions assigned to a model group for a Folder.		

Impact:ECS v6.3 Navigation Features

Feature	Description	Feature	Description
New Navigation Commands	<p>These new commands appear in the View Toolbar and View Menu.</p> <p>Back: Navigates the Main View to the previous Folder; Appears when Main View is open</p> <p>Forward: Navigates the Main View to the Folder which was displayed before the Back button was clicked; Appears when the Main View is open</p> <p>Up: Navigates the Main View to the Parent Folder of the currently displayed Folder; Appears when the Main View is open</p> <p>Synchronize: Sets the selected Item in the Folder view to the containing Folder of the currently open Item; Appears when an Item is open.</p>	Recent Items	The Recent Items menu, which appears by default in the File menu, displays a few of the most recently opened items for the User.
		Locking Cells	In addition to setting cells in the Model as read-only, it is now possible to disallow row insert, row delete and row append functions.
		Grid Controls	Impact:EDC now uses VS Flex Grid 8.0 allowing the support of Microsoft XP themes within the grid.
		Paste Special	Users can control whether Items pasted to a Folder are overwritten using the Paste Special feature.

Impact:ECS v6.3 Appearance Features

New Screens	<p>Users now have new ways to view information for the Query and Global Factor screens.</p> <p>Queries: Users can edit the Datalink name field and maximum field records in the Query Design view.</p> <p>Global Factors: The Global Factor view now displays individual controls for each Global Factor field.</p>	Menu Customization	For each screen (i.e. Main view, Cost Object view) the main menu can be customized to make the Impact:EDC interface more in line with the users needs.
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Impact:ECS v6.3 Model Features

Feature	Description	Feature	Description
Default Datalink for a Model	Each Impact:ECS Model can be associated with a default Datalink. Queries with an unspecified Datalink name use the Model's default. Also, the Database.ADOConnection method in Script Modules uses the connection information specified in the default Datalink to create an ADO connection object.	Define Primary Keys When Creating Tables with Impact:DPW	When creating a new Table using the Impact:DPW Data Publishing Wizard, users can specify columns for use as primary keys.
New Calculation Operators	<p>Impact:ECS version 6.3 has added four new logic functions to improve Calculation performance.</p> <p>If True Jump To - Transfers the execution to the line number specified in the operand if the value of the accumulator is true.</p> <p>If False Jump To - Transfers the execution to the line number specified in the operand if the value of the accumulator is false.</p> <p>Write To Table Ignore Accumulator - Similar to Write To Table except that it does not automatically write the value of the accumulator to the first data column.</p> <p>Lookup Table - Similar to Read From Table except it does not cause an error when the record is not found in the table. Instead it sets the accumulator to true if the record is found and false if no record is found.</p>	Default Datalink Available for Reports	Reports can access the underlying database of a Model using the Impact:ECS Datalink OLEDB provider. A connection configured using the Impact:ECS OLEDB provider using the string "<model default>" as the Datalink name, will connect to the underlying database of the Model, where the current report resides. If the Model has a default Datalink, the connection will use that Datalink instead.
Storing User Preferences in XML Files	User preferences like menu and toolbar customization or recent items are now stored in XML files and are located in the User's profile.	Enabled Property for a LineItem Object	The Enabled Property is a direct way for Scripts to check whether a Line Item is enabled and to change its status. This feature replaces the LineItem.Settings property to check for the status of a Line Item.
		Copy and Paste Model Enhancements	With this release, users can transfer Groups and Folder Permissions when they copy and paste a Model in Impact:EDC.
		Report Parameters	Reports can now be created with parameter definitions to create more useful and practical results. The parameter values in the report can be supplied automatically from Global Factors, Session Variables or Form Variables.



For more information or to receive a copy of the new release, contact 3C Software at 1-800-226-2036 or visit www.3csoftware.com