

What's New 8.2

In this second update of Enterprise Dynamics 8, a lot of (major and minor) issues have been solved that has come to our attention in the period after official release 8.0 and update 8.1.

Release Notes

Below are all the issues handled during the development of Enterprise Dynamics 8.2. We have listed them in several categories and you can find details of all these issues in our online support tracking system.

Visit the support section on support.incontrolsim.com to login in to Incontrol JIRA.

For all Enterprise Dynamics users we have created the ED Community. Everyone can become a member of our ever-growing community. You can visit the community at community.incontrolsim.com

Major Issues

New free [ED Viewer](#) engine license available for download at www.incontrolsim.com

Create [3D Modeling](#) Functionality (APP-159)

New GUI properties and events (ED-392)

Choose codec when recording .avi in advance (ED-509)

Support for UDP Communication (ED-503)

Draw polygon in 2D (ED-464)

2D ellipse (ED-469)

Atom naming collision detection for libraries (ED-520)

Standard GUI's revision required (APP-226 and LOG-133)

The new 3D Visualization features for the Status Monitors should be added to the other diagrams (APP-252)

New Features

- APP-248 XML Example misses connect feature
- APP-268 CreateExcelActiveX_ReadText and _WriteText functions.
- APP-114 Select all atoms in Report atom
- APP-143 Create a new atom that displays an image depending on user requirements.
- ED-375 Display channel connections in atom editor
- ED-430 GUI Component 3Dicon
- ED-468 Inner radius parameter drawcircle
- ED-471 Shortcut F3 for "search again" and shift F3 for "search previous" in the function editor
- ED-472 Interact improvement functions
- ED-478 Wish to have the functions: clear cell, clear row, clear column
- ED-484 Sorting of two columns at once does not work correctly
- ED-497 Obtaining more information from resource manager using 4D script
- ED-504 Possibility to convert atoms in a model
- ED-516 Refresh View Atom Labels during run.
- ED-519 Ability to switch the colors on or off in the editor

Improved Atoms

- APP-150 Changing "Atom Name" in GUIs of status atoms does not take effect
- APP-156 Composition Container incorrectly connects channels on Copy or Daughter
- APP-206 Table Atom copy-paste results in lost alias functions of original
- APP-229 Continues evaluation of Lock atom does not allow triggering atom reference
- APP-240 Condition Control condition not always fires action on true/false
- APP-244 Empty setup time of server results in error that cannot be solved through GUI.
- APP-246 ExcelActiveX_Read and ExcelActiveX_Write do not work if you leave out the optional atom reference
- APP-247 Socket Send executes 4DS twice

APP-249 Inviewfield points in composition container are not always defined correctly
 APP-250 User Events Atom saves in top of Modeltree
 APP-258 Initialize atom does not work properly
 APP-263 Excel ActiveX Read Block does not read values when the system uses a comma separator
 APP-269 Reading empty cells from Excel with the ExcelActiveX atom results in a cell with a space in the table.
 APP-279 Predefined logic of the data recorder is incorrect.
 APP-253 The new Monitors should be resizable in the 2D Model View using the mouse
 APP-254 Modernization of the Monitor atom
 APP-256 Source and Sink 2D visualization differs from 3D visualization
 APP-262 Add monitoring functionality to Histogram atom and create predefined logics to generate segments.
 LOG-32 Advanced transporter and battery charging station: bugs and improvements
 LOG-121 Advanced Transporter: access violation with reference to prevatom in function AdvancedTransporter_Event6
 LOG-125 Category TRANSPORT: Subcategory RAILBOUD: Transfer Car: Subatom Transfer Stations: Color not changeable
 LOG-127 Category TRANSPORT: Subcategory RAILBOUD: Transfer Car: Subatom Transfer Stations: Trigger (Entry and Exit) not active
 LOG-128 Category TRANSPORT: Subcategory RAILBOUD: Transfer Car: Subatom TransferCarStorageUnit: Trigger (Entry and Exit) not active
 LOG-139 Portal Crane: GUI: Detailed Movements sheet show numbers instead of describing text
 LOG-142 Operator GUI component shifted
 LOG-143 Conveyor functions cannot distinguish advanced conveyors (from regular conveyors)
 LOG-144 ASRS changes in GUI are not saved or directly applied
 LOG-145 Conveyor draw supports GUI throws division by 0.
 LOG-149 Changing the width and the length of the stations and move forward and backward with the "forward" and "fast forward" buttons fails
 LOG-154 Bug when opening the Network Control Gui
 LOG-155 Overlapping fonts in Operator Gui
 LOG-158 Advanced transporter gives access violation during model save
 LOG-126 Category TRANSPORT: Subcategory RAILBOUD: Transfer Car: Subatom Transfer Stations: Place products without movement
 LOG-129 Category TRANSPORT: Subcategory RAILBOUD: Transfer Car: Subatom Transfer Car: Add load and unload times
 LOG-130 Category TRANSPORT: Subcategory RAILBOUD: Transfer Car: Lock position
 LOG-135 Trigger OnReset for Corner Transfer Unit
 LOG-151 Transfer Car - Push System - Register orders for products without label "ProductTypeId"
 LOG-7 Display the Speedometer multiple instances
 NLS-38 Reconstruction of atom "Elevator"
 NLS-56 Update-Buttons do not what is expected in TransferCar-atom

Improved GUI's

APP-281 ArrivalList - Quantity field does not store 4dScript code
 APP-233 Status Bar in 3D animation window missing
 APP-239 Attribute controls form returns wrong type when loaded
 APP-265 Make "View atom Labels" work in Model Tree as well
 APP-277 'Fly To (F7)' in 3D model view takes way control from ED.
 APP-278 non-unique naming in Conveyor GUIs
 APP-266 Attribute controls form does not refresh tree
 ED-426 Statusbar 3D vizualisation object does not display the statusbar
 APP-286 Add Show 2D Icon option to the GUI of the container atom.
 ED-540 The explanation text in smart edit fields is not visible when the field is placed at the end of a groupbox.

Bug Fixes

APP-185	The German Example models need to be improved. For example old style product Gui's and incorrect code in Breakdown fields of servers and 4DScript bugs.
APP-242	Autofit fails when using table data
APP-280	When running the example model Basic modeling - servers and run the GUI I get an error message
ED-538	When selecting an object in 3D the object is highlighted with the texture on the highlight.
APP-255	Report atom markup incorrect and incomplete
APP-257	Klompen.mod
APP-259	The function cleartable doesn't clear.
APP-270	Change in the progressbar settings in the function excelactivex_readblock
ED-91	DiShape with fill color transparent gives problem when 5th parameter is 0
ED-168	4dscript compiler doesn't check number of parameters correctly for the Concat function
ED-258	Access violations with order settings order in GUI builder
ED-417	ed.his i/o error
ED-432	DbRecords gives value -1 after executing DbSql
ED-433	Find atom (match whole word only) in model tree does not work properly
ED-470	GUI table: copy paste on row does not work as expected
ED-475	GeneratorSeed(1) := *** Doesn't update the run control
ED-476	ColorTransparent is treated as ColorBlack
ED-479	Saved csv tabledata does not load into table
ED-480	Why is it allowed to make function names with spaces?
ED-485	Images in Gui's flicker
ED-487	Form Inspector buttonbar scroll arrows don't work
ED-489	Activating the GUI Builder Form Inspector fails with heavy visualization
ED-492	Fourth parameter of function StringPos does not work correctly
ED-493	Gui builder gives access violations and crashes on Engine2D in specific cases
ED-495	Move command cannot exceed hardcoded window settings
ED-502	Value function loses decimals
ED-505	Function DrawText does not work properly.
ED-508	DrawCone and DrawCylinder copy last selected colour.
ED-510	The string returned by GetUserName contains trailing char(0)
ED-302	Split and document help on the basic speedbar buttons

Smaller improvements

APP-205	Help from ModelTreeAtom does not display
APP-260	XMLNodeSetAttribute Help missing
APP-264	FreezeScreen Entry in the Help is incorrect
APP-267	ExcelActiveX_Read, _ReadText, _Write and _WriteText functions are not documented in help file.
APP-272	Stress that enablestatusmonitor is necessary in help file of statustime
APP-241	Exp Wizard calculates wrong PFM results when using the group option
APP-23	Update screenshots in Training material
ED-333	Can't access German examples from the Example Wizard
ED-422	Maximum simulation speed (slider control) differs extremely from 'Unlimited'
ED-517	Tab order does not work with ScriptEdit component
ED-521	Opening a GUI event by double clicking opens in middle of desktop, not screen
ED-522	FileSize returns negative sizes
ED-523	ReadTableFromFile fails for unknown reason
ED-524	GUI Builder not visible (off screen) and not moveable
ED-527	The table size is not updated correctly
ED-532	InputNum does not pop up with runtime license
ED-534	ED hangs after setting gridsize on 2D visualization component
ED-537	Function "Version" returns unexpected value
ED-414	Paste location of atom in atomtree
ED-437	ADO connect with access 2007 database

ED-455 Help file for ED angles- and coordinate- system
ED-474 Selection of atoms in 2D
ED-483 GUI Smartedit component input verification
ED-496 AtomTreeRefresh collapses AtomTree
ED-498 When opening the Atom Editor, show the atom currently selected in the model layout
LOG-156 Example model Operator 3 does not include the described break behavior