

Update Enhancement List

Improvements made in Update 3 build (20130531 2115):

Autodesk® Revit® Platform 2013 Enhancements

- Improves stability when using Hardware Acceleration, Graphics Mode.
- Improves stability when opening projects which utilize Extensible Storage.
- Improves visual fidelity between canvas and printed output.
- Improves visual fidelity of hidden lines, MEP pipe centerlines and haloed gaps when **not** using Hardware Acceleration, Graphics Mode.
- Improves Structural family data integrity during upgrade of project.
- Improves data integrity when canceling Save As operation.
- Improves interaction between Revit Server 2013 and Riverbed compression.
- Enables users to browse Revit Server Networks when a bound workstation cannot contact the Domain Controller.

Improvements made in Update 2 build (20121003 2115):

Autodesk® Revit® Structure 2013 Enhancements

- Enables the Area, Area Boundary and Tag Area ribbon commands.
- Improves stability when using Beam Systems.
- Improves the respect of the Top In-Plane parameter for Analytical Models Walls after wall is modified.
- Improves the joining of Rebar to the host surfaces.
- Improves retention of Rebar Shapes upgraded within Revit 2012 projects.
- Improves stability when editing Rebar Shapes in the Family Editor.
- Improves display of underlay items in non-wireframe Structural Views.

Autodesk® Revit® Platform 2013 Enhancements

- Improves stability when Save to Central or Sync with Central.
- Improves stability when utilizing Create Assembly Views from the project browser.
- Improves stability when editing a label within the family editor.
- Improves stability when saving file to a location with low disc space.
- Improves stability when launching Export gbXML – Settings dialog.
- Improves stability and memory usage within graphics display.
- Improves stability during IFC data import which contains openings with no usable geometry.
- Improves stability when importing IFC data which imported into Revit 2012 with warnings.
- Improves import of clipped solids during IFC import.
- Improves IFC Export to support buildingSMART International IFC certification.
- Improves stability when linking or attached DWG files.
- Improves stability of printing after Export to DWG or DXF format.

Autodesk® Revit® 2013 Update Enhancement List

- Improves stability when creating, duplicating or deleting a material in the Material Editor.
- Improves the retention of part parameters within a part upgraded from Revit 2012.
- Corrects ribbon tab population after installing .NET 4.5
- Improves stability while editing calculated values within a schedule after deleting a parameter used in a formula.
- Improves stability with schedules which contains a filter based upon a user defined parameter and elements in linked files do not contain the user defined parameter.
- Improves stability when opening Sun Settings dialog.
- Improves stability when editing Text Notes.
- Improves stability when upgrading Revit 2012 project to Revit 2013.
- Improves stability when moving a Crop Region which utilizes the disjoint option.
- Improves stability when upgrading 2012 project which contains analytical walls.
- Improves stability when adjusting multiple sketch lines of a floor at the same moment.
- Improves stability when editing the gutters on a roof object with the Add/Remove Segment tool.
- Improves stability when renaming a Stair run type or landing to 'none'.
- Improves stability when using the ribbon Cancel Edit Mode button to exit Stair Edit Mode.
- Improves stability when using an open profile for a wall sweep.
- Improves stability when splitting a wall.

Improvements made in Update 1 build (20120716 1115):

Autodesk® Revit® Architecture 2013 Enhancements

- Improves stability when closing a sketch editor, such as slab, site, etc., which create a large number of points.
- Improves creation of U-shaped winder stairs.
- Improves stability when editing winder stairs.
- Improves performance when many railings exist within a project.
- Improves stability when support type is not defined for stair.
- Improves railing representation in coarse view.

Autodesk® Revit® Structure 2013 Enhancements

- Improves placement of analytical nodes when in 3D views.
- Improves stability when enabling "Show Analytical Model Categories in this View" when the Warning dialog is open.
- Improves creation consistency with Physical Wall when coping an Analytical Model Wall.
- Improves stability when editing an Opening within an object which spans to the boundary of an Analytical Surface.
- Corrects the reporting of the "Structural Parameter" on slabs.
- Improves masking of linked files by Mask and Filled regions in Structural Views.
- Improves stability when placing Rebar.
- Improves stability when copying Area or Path reinforcement between projects which have differing value for the Reinforcement Project Setting: "Host structural rebar".
- Improves visibility of round rebar when displayed in fine detail level.

Autodesk® Revit® MEP 2013 Enhancements

- Corrects the Slope value on placeholder pipe when slope is greater than 15 degrees.
- Improves consistency when applying a slope to a layout which contains a transition.
- Improves stability when splitting pipes which belong to different systems.
- Corrects visibility of the center line when displaying rise/drop symbols.
- Improves stability when opening a Revit 2012 project which contains a pipe placeholder schedule.
- Improves consistency of unit formatting within Panel Schedules .
- Improves consistency of adding circuits to equipment that are connected to a pipe or duct system.
- Improves stability when adding a device, which is connected to a wire, to a circuit.
- Improves display of annotation on duct and pipe transitions.
- Improves stability when inserting duct fittings.
- Improves stability when viewing Routing Solutions.

Autodesk® Revit® Platform 2013 Enhancements

- Improves stability when opening projects from previous versions of Revit.
- Improves stability during Copy/Paste operations.
- Corrects display of solid filled regions with transparent backgrounds.
- Allows exporting of materials painted on elements to ODBC.
- Improves performance of opening and closing sketch mode in projects with many families.
- Improves stability when setting a Design Option as the Primary.
- Improves stability when Fixed Distance option for a divided path.
- Improves stability while browsing to Revit Server when there is no network connectivity.
- Improves export consistency of Space and Zone elements when multiple elements have the same name and number.
- Allows Raytrace mode to work with DirectX 9.
- Improves stability when using Raytrace mode with Hardware Acceleration disabled.
- Improves Raytrace mode rendering output.
- Improves Surface Transparency override by element for multiple selections.
- Improves printing consistency when tone mapping is enabled.
- Disables Sun and SunPath from being rendered in Raytrace mode.
- Improves stability when using manual exposure in Raytrace mode.
- Improves stability when rendering views.
- Improves stability and performance when using visualization features like Sky, Exposure, and Anti-Aliasing.
- Improves stability when importing IFC data which contains special characters.
- Improves the setting of custom parameter values during import of IFC data.
- Improves stability when importing IFC data which contains an invalid line pattern.
- Allows Markups from DWF to be exported to DWF.
- Improves stability when drag and drop a DWG file into a Revit project.
- Improves stability when importing DXF data.
- Improves dimension fidelity when exporting to DWG with export units set to Meter.
- Improves alignment of hatch and fill patterns when exporting to DWG.

Autodesk® Revit® 2013 Update Enhancement List

- Improves stability when selecting a new host for an element within an In-place Wall.
- Improves section creation within a project with linked model.
- Improves stability when working with Materials.
- Improves the displayed Pattern Type assigned to an element with the Material Editor.
- Corrects the display of the materials category within the Paint interface.
- Corrects the printed display of fill patterns within perspective views.
- Improves stability of Type editing when multiple element types are in the selection set.

Autodesk® Revit® API 2013 Enhancements

- Allows Document.PostFailure to be used to post multiple errors during a single transaction that do not reference an ElementId.
- Improves stability using UIApplication.DoDragDrop when a Revit command (such as the Wall tool) was active.
- Improves stability by disabling keyboard shortcuts (except view zoom shortcuts) when a PreviewControl is active.
- Improves stability in ReferenceIntersector.FindNearest() when no matching target pick is found.
- Corrects validation logic to allow NewFamilyInstance to place face-based families on transformed family instances.
- Dimension.Above and Dimension.Below now update the dimension after their data is changed without requiring any user action.
- The properties MechanicalSystem.SystemType, ElectricalConnector.SystemType, PipeConnector.SystemType are obsolete in Revit 2013. Instead query the parameter RBS_DUCT_CONNECTOR_SYSTEM_CLASSIFICATION_PARAM on ConnectorElement.
- Corrects data reported with ConnectorManager.UnusedConnectors.
- Fixes a file corruption that could occur when extensible storage data was added to an element in a central file.
- Improves stability when saving a file with extensible storage data that overwrites an existing file that also contains extensible storage.
- RVT Links created with RevitLinkType.Create will remain loaded when the RVT containing the link is reopened.
- Previously, setting 'suppressBendRadius' to true in method Rebar.GetCenterlineCurves() would cause both fillet bends and user-drawn, parameterized arcs to be omitted from the collection of curves returned by the method. The method now omits only the fillet bends; the drawn arcs are included along with the straight edges.
- Updates Rebar.GetCenterlineCurves() method with an additional argument: a MultiplanarOption (enum), which should be set to IncludeAllMultiplanarCurves or IncludeOnlyPlanarCurves. This argument controls whether all curves of a multi-planar Rebar instance are returned, or only those which lie in the primary plane.
- Enables method Rebar.ComputeDrivingCurves(). This method returns a collection of curves that includes the lines and arcs that drive the shape, but excludes fillets and hooks. It is equivalent to calling GetCenterlineCurves(adjustForSelfIntersection=false, suppressHooks=true, suppressBendRadius=true, multiplanarOption=IncludeOnlyPlanarCurves)
- Improvements have been made in RebarShape methods that deal with matching RebarShapes to collections of curves: CreateFromCurvesAndShape(), RebarShapeMatchesCurvesAndHooks().

Autodesk® Revit® 2013 Update Enhancement List

- Corrects behavior of RebarShape.Create() method to not ignore the out-of-plane bend diameter specified in the RebarShapeMultiplanarDefinition argument object, and always used an internal default value.

Autodesk, DWF, FBX, Revit, ViewCube and 3ds Max are registered trademarks or trademarks of Autodesk, Inc., and/or its subsidiaries and/or affiliates, in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders. Autodesk reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document. Occasionally, Autodesk makes statements regarding planned or future development efforts for our existing or new products and services. These statements are not intended to be a promise or guarantee of future delivery of products, services, or features but merely reflect our current plans, which may change. The Company assumes no obligation to update these forward looking statements to reflect any change in circumstances, after the statements are made.
© 2013 Autodesk, Inc. All rights reserved.

Autodesk®