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Revit 2012 Debut : the new features by [Kimberly Smith](#)

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Interestingly, the new Autodesk 2012 software roster is up for sale and the all new and improved Revit Architecture 2012, Revit Structure 2012 and Revit MEP 2012 has already hit the markets. The enhanced Revit 2012 has some really interesting features that can get you functional and productive in a great way. Revit 2012 release brings out some of the major changes in functionality and has a lot to offer as discussed here.

**Revit 2012 Improved Worksharing:** Worksharing Visualization is a feature which allows you to view the canvas along with the objects on the workset, ownership status of different elements, etc. Revit 2012 provides easy color coding to identify elements that belong to a specified user and are editable only by that user. This also makes it easy to understand who is working on which element in the design. Further, a user can also put up an editing request to work on an element which has a different specified user.

**Ghost surfaces:** This feature shall enable viewing elements that are obstructed partly or completely by other elements, say a wall or pipe. Using this option, an object can be turned partially transparent and ghosting can be applied to the entire view by a view override, category override or an element override.

**Point Clouds:** Working could be made better using Point Cloud integration within Revit that will allow easy placement of elements such as walls using the cloud as a reference. And of course, all this happens in a seamless manner with high accuracy.

**Construction Modeling with Parts & Assemblies:** This feature shall allow breaking the model elements in parts that can be separately scheduled, tagged, filtered and exported. Parts can also be divided further into sub-parts and any changes in the original elements are automatically updated in their respective parts.

Similarly, an assembly can be created from any number of element groups. They also can be edited, tagged, scheduled and filtered. Once an assembly is created, an instance can be selected and one or more types of detailed views can be generated.

**3D Tagging:** This feature enables to lock a 3D view and is almost advantageous as 3D tagging. This allows using Revit tags in the 3D view.

**Linking Enhancements:** Revit 2012 comes with improved linking capability between models. An extension to this feature is the ability to tag rooms, spaces, keynotes and areas.

These are just a few features that have been talked about here. Revit 2012 has some superb features covering Architecture, Structural and MEP improvements that include improved DWG export, core modeling enhancements, general platform improvements, material changes and much more. Citrix support as well as Autodesk Vault support are also remarkable features in the new version. All in all, Revit 2012 is an evolved and improved release. There have been some great additions and all we can say is there is still more to come.

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