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What is autodesk revit live

At our last CAD Masters Tech Night event, we had a Virtual Reality (VR) station setup for visitors to view a Revit building model. It was a popular attraction, as new technology typically is. Virtual Reality site models are now an easy deliverable to create for your clients. In fact, if you already have a subscription for the AEC Collection you can download and install Revit Live from your accounts.autodesk.com account right now. To get full use of the software, you will need VR equipment such as the HTC Vive or the Oculus Rift. If you're not ready to make those purchases, you can still use the majority of the features in the Autodesk Live Viewer. Users can share Revit Live models with clients by sending a .live Autodesk Live Viewer file. Clients who do not typically have subscriptions to Autodesk software, can download and install the Autodesk Live Viewer to open these files. The Autodesk Live Editor is used to publish the .live files. It is a program separate from Revit that installs at the same time as Revit Live. Once both are installed, Revit Live is a tool available in Revit that will use an open Revit file to create an .lvmd file. The Autodesk Live Editor then can be used to view the .lvmd model on a computer screen, in VR, or to export the model to .live (for the ipad beta app). Official Revit Live demo from Autodesk For our Tech Night, we created a Revit Live model of our Walnut Creek Office. Below is a screenshot of our virtual lobby. The Autodesk Live Editor will display the Material Appearance as selected from Revit. Subtle features like the lighting, door action, and swaying plants are automatically added to the models without extra setup. This viewer is intended mainly for displaying the model in 3D. It runs smoothly, much faster and easier than if you were to navigate in 3D in Revit. In the viewer, you are also able to select items to view their properties. It is lacking measurement tools, but if measurements while walking though the 3D model are very necessary, we recommend BIM 360 Docs or NavisWorks. Tags: 3d model, Autodesk Live Viewer, Presentation, Rendering, Revit, Revit Live, Virtual Reality, walk through Back in January 2017 we reviewed Autodesk LIVE 1.6, a cloud service and desktop app that allows users to turn Revit models into visually rich interactive models in a single click. And then, if you have an HTC Vive or Oculus Rift, you can experience them in VR. Over the past 12 months Autodesk LIVE has been rebranded to Autodesk Revit Live and received up to a 20% boost in interactive performance in version 1.7. Now Autodesk has released Version 2.0 with a host of new features and optimisations. The company has also alluded to future plans to expand Autodesk Revit Live so it can to work with other data sources. The standout theme for the new release is speed. Autodesk Revit Live uses the cloud to optimise models, structure the data and make sure all of the BIM data is brought over. In the new release, Autodesk told AEC Magazine that processing speed on the cloud has been significantly enhanced, so users should get their Revit Live models back much quicker. Autodesk's Nicolas Fonta was cautious to quote figures, as it depends on the dataset, but said that in most cases it's more than twice as fast and in some cases it's even faster. Job queuing, which we experienced when we tested Revit Live earlier this year, has also been 'significantly improved'. It could still happen, admitted Fonta, but it will happen less often. Speed enhancements in the new release also relate to the Revit Live desktop app where the loading time has been 'significantly improved'. Revit Live 2.0 also marks a simplification of the product stack. Previously, Revit Live comprised three components: the Live Editor, the Live Service and the Live Viewer (a free application which could be used by anyone to view Revit Live projects). Now there is just the Revit Live cloud service for creating the Live experience and the Revit Live app for providing the real time VR experience. In doing away with the Revit Live Viewer, Autodesk has simplified project sharing. Those who simply want to view the Revit Live model do not need to install an app. Instead projects can now be bundled up into an executable which contains the model and the viewer. This does increase file size a bit but gets around the issue that some users were experiencing of not having admin rights to install software on their workstation. This issue isn't entirely resolved with the new executable, but Fonta said the Revit Live team was looking at signing the EXE so it's recognised as an Autodesk EXE. Autodesk has also improved compatibility between Revit Live and 3ds max Interactive (an extension to 3ds max that allows you to enhance Revit Live scenes and is essentially Autodesk Stingray repackaged). Fonta admitted that more users than they had expected were using Revit Live to do all the heavy lifting (conversion, processing and optimisation) and then going into Stingray to enhance the experience by increasing visual quality, adding entourage, and making it more interactive. Revit Live now creates a 3ds max interactive project that can be opened with the Revit Live app or with 3ds max interactive. Previously full compatibility between the two products required a workaround. New VR capabilities Revit Live also includes a few new VR capabilities based on user feedback. The first is the addition of a laser pointer, to help the person in the VR experience communicate better with people in the same room who are watching the same viewpoint on a screen or projector. The second is a dynamic measure tool that allows users to validate the space rather than just than getting a look and feel of it. The third is the ability to select which Revit views make it into to Revit Live. On large multi user projects Revit views can often run into the hundreds, so instead of dumping, presenters can select the most appropriate views to help add narrative or focus on a specific part of a project. In previous releases, objects could only be interrogated for BIM data when inside the desktop application. We asked Fonta if this could now be done in VR. 'We did not have time to do that yet,' he said. He also acknowledged that markup tools were a commonly requested feature and this was something the team is looking at. Looking further into the future, Fonta said that Autodesk is looking at ways to give more users access to real time and VR experiences. We took this to mean extending the service beyond just Revit users, and making it accessible to other tools – the obvious candidates being Civil 3D, Infraworks or Navisworks. Revit Live can be bought as a standalone product but is also available in the AEC Collection, which includes Revit, 3ds Max and many other tools. Cloud processing is unlimited. If you want to find out more about Revit to VR, including a review of Autodesk Revit Live 1.6, IrisVR Prospect 1.1.0 and Enscape 1.8.3.3, check out our in-depth feature. Revit Live scene enhanced with 3ds Max Interactive If you enjoyed this article, subscribe to AEC Magazine for FREE In the last several years, the accessibility and proliferation of virtual reality (VR) technology has changed the way architecture is practiced and received — from the virtual recreation of never-builtor razed Frank Lloyd Wright buildings, to firms such as ZGF, Ennead, and SHoP using the tools to better visualize the details of a project or present to clients. Autodesk® has been at the forefront of the VR revolution in gaming, media, and entertainment, and has continued to build upon these tools to make VR more accessible to the AEC industry. To adapt and simplify VR to fit the needs of building and facilities designers, Autodesk introduced 3ds Max® Interactive, a feature of the popular rendering and animation software, 3ds Max. 3ds Max Interactive extends already powerful architectural renderings by adding an immersive, self-directed virtual experience, built on the Stingray gaming engine. "3ds Max has a long history of producing high-level photo realistic renderings for designers. But when we acquired the Stingray gaming technology, we saw how it could be leveraged in the architectural space," says Jon Van Benthem, Autodesk's architecture strategy manager. With a majority of architects adopting Building Information Modeling (BIM) processes and using Revit® as their core platform, Autodesk has now made it easy for designers to move from a 3D BIM environment to VR with the introduction of Revit® Live. "Our 3ds Max Interactive solution provides the 'best of both worlds' — a powerful tool for creating photo realistic renderings and this powerful new immersive visualization experience. Revit Live takes this a step further, accessing the same power with a simplified interface, making it accessible to every Revit user," says Van Benthem. An exterior view of a hospital displayed in Revit Live Revit Live puts the power of VR into the hands of architects with a simple workflow. Leveraging BIM data already created, designers can upload their Revit or Revit LT model to the cloud and keep working while it processes. Within a few minutes, they receive notification by email when their scene is ready. Using the cloud for much of the computational "heavy lifting," Revit Live alleviates the technology shock for architects, enabling them to easily produce high quality visualizations without costly IT overhead. Revit Live helps architects to understand, explore, and experience their designs in new ways. Unlike traditional static renderings, immersive visualization allows designers, their teams, and their clients to experience a space – not just see a space – long before it's built. In addition to wowing clients during presentations, Revit Live provides an everyday design check: sightlines, glare, and scale can all be seen with greater accuracy, providing opportunities to validate or question design decisions, build trust with collaborators and contractors, and potentially even do some pre-inspections. An interior view of a dining room displayed in Revit Live At this year's Autodesk University in Las Vegas, November 14-16, Autodesk will showcase Revit Live 2.0, highlighting new features and allowing guests to try out both the desktop and VR experiences. This new iteration of Revit Live promises faster processing times, and improved performance and responsiveness. Users will also be impressed to see a strong link between 3ds Max and Revit Live workflows, making it easier to connect their dataset to 3ds Max's real-time environment where they can work more iteratively and interactively on projects. "With demanding project deadlines and fast paced environments, AEC professionals want to iterate more rapidly on their designs. We've also been seeing a growing demand for using Revit Live to go to 3ds Max where our customers can enhance their real-time and VR experiences," said Nic Fonta, Autodesk's senior product manager. "This version of Revit Live is addressing these two needs by offering a more robust, much faster processing pipeline as well as full interop with 3ds Max Interactive." Adjusting daylighting in Revit Live The continued enhancement of Revit Live has a bright future, says Van Benthem. He envisions the service having different capabilities as it matures and can access other cloud data. "I see this one day becoming an input-output mechanism," he says, "a new way to design and to author BIM data directly." If you're ready to extend BIM to VR, you can put Revit Live 2.0 to the test with a free 30-day trial. And if you're a subscriber to the Architecture, Engineering & Construction Collection, you have instant access to Revit, Revit Live, and 3ds Max to help you to realize your best design ideas, faster. All images courtesy Autodesk Publisher: Autodesk File size:474 KB Date added:Mar 30, 2021 | Last update check: 1 minute ago Licence:Trial | Buy Now Runs on:Windows 7 64 bit / 8 64 bit / 10 64 bit Revit Live is discontinued on March 30, 2020. This affected all versions of Revit Live previously released. Autodesk recommends these alternative solutions: Autodesk Cloud Rendering for static rendering and panoramic views, 3ds Max for animations, and third-party tools from Autodesk AEC Industry Partners and the Autodesk App Store. Revit Live is a cloud connected interactive environment where you can present your Revit models. It is Revit additional visualization tool that architects can use to create immersive 3D experiences. With Revit Live, architects can share their designs with project stakeholders to communicate their design ideas, win more work, and even use it as a means to offer additional services, such us VR, to differentiate themselves from the competition. And since Revit Live leverages both the graphic information, such us lighting information, and non-graphic information, such us building material properties, that are contained in Revit, architects can use it to review their models, improve their overall quality, and experience the design as it would perform in the real-world before it's even built. In Revit create a 3D view, then go to the 'View' or 'Add-ins' tab and click 'Go Live' button. Once you've confirmed everything is good, your project uploads to the Autodesk Live service on the cloud. There it will prepared for real-time display. After a while, your completed Autodesk Live file will automatically be downloaded to your computer. You can open it in Autodesk Live with one click. Models, materials and finishes appear as they were designed in Revit. You can use rendering styles to hide your materials if you need to concentrate on the form of a building rather than its finishes. About Autodesk Autodesk is a pioneer in 3D design, engineering and digital entertainment software. Though best known for its flagship product, AutoCAD, it has developed a vast range of software for the design, engineering and entertainment industries. Autodesk was founded in 1982 by John Walker and 12 other like-minded individuals. The company launched their first original product AutoCAD that same year. Autodesk has since expanded upon a number of non AutoCAD-based products as well, including parametric BIM application Revit and 3D CAD modelling software Inventor. In recent years, Autodesk has made the move towards mobile and cloud-based applications including Fusion 360 and AutoCAD 360. Autodesk has expanded its presence in the maker community with acquisitions like Instructables and Pixlr. Autodesk is more than just its products or its acquisitions. It had an impact on everything from education to the job sector and even on business sustainability and will undoubtedly continue to do so in the future. Gallery Revit Live Screenshot Revit Live Screenshot Revit Live Screenshot Revit Live Screenshot Revit Live Screenshot