System requirements for Revit 2020 products

Revit 2020 Minimum: Entry-Level Configuration	
Operating System [1]	Microsoft® Windows® 10 64-bit • Windows 10 Enterprise • Windows 10 Pro Note: Microsoft® Windows® 7 SP1 64-bit, Enterprise, Ultimate, and Professional are supported but not recommended.
CPU Type	Single- or MultiCore Intel, Xeon, or i-Series processor or AMD equivalent with SSE2 technology. Highest affordable CPU speed rating recommended. Revit software products use multiple cores for many tasks.
Memory	8 GB RAM • Sufficient for a typical editing session for a single model up to approximately 100 MB on disk. This estimate is based on internal testing and customer reports. Individual models vary in their use of computer resources and performance characteristics. • Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process.
Video Display Resolutions	**Minimum:** 1280 x 1024 with true color **Maximum:** UltraHigh (4k) Definition Monitor
Video Adapter	**Basic Graphics:** Display adapter capable of 24-bit color **Advanced Graphics:** DirectX® 11 capable graphics card with Shader Model 3
Disk Space	30 GB free disk space
Media	Download or installation from DVD9 or USB key
Pointing Device	MS-Mouse or 3Dconnexion® compliant device
Browser	Microsoft® Internet Explorer® 10 (or higher)
Connectivity	Internet connection for license registration and prerequisite component download

Revit 2020	
Value: Balanced price and performance	
Operating System [1]	Microsoft® Windows® 10 64-bit • Windows 10 Enterprise • Windows 10 Pro
CPU Type	Multi-Core Intel Xeon, or i-Series processor or AMD equivalent with SSE2 technology. Highest affordable CPU speed rating recommended. Autodesk Revit® software products use multiple cores for many tasks.
Memory	16 GB RAM • Sufficient for a typical editing session for a single model up to approximately 300 MB on disk. This estimate is based on internal testing and customer reports. Individual models vary in their use of computer resources and performance characteristics. • Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process.
Video Display Resolutions	**Minimum:** 1680 x 1050 with true color **Maximum:** Ultra-High (4k) Definition Monitor
Video Adapter	DirectX 11 capable graphics card with Shader Model 5
Disk Space	30 GB free disk space
Media	Download or installation from DVD9 or USB key
Pointing Device	MS-Mouse or 3Dconnexion compliant device
Browser	Microsoft Internet Explorer 10 or higher
Connectivity	Internet connection for license registration and prerequisite component download

Revit 2020	
Performance: Large, complex models	
Operating System [1]	Microsoft® Windows® 10 64-bit • Windows 10 Enterprise • Windows 10 Pro
CPU Type	Multi-Core Intel Xeon, or i-Series processor or AMD equivalent with SSE2 technology. Highest affordable CPU speed rating recommended. Autodesk Revit software products use multiple cores for many tasks.
Memory	32 GB RAM

Revit 2020

Performance: Large, complex models

	• Sufficient for a typical editing session for a single model up to approximately 700 MB on disk. This estimate is based on internal testing and customer reports. Individual models vary in their use of computer resources and performance characteristics. • Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process.
Video Display Resolutions	**Minimum:** 1920 x 1200 with true color **Maximum:** Ultra-High (4k) Definition Monitor
Video Adapter	DirectX 11 capable graphics card with Shader Model 5
Disk Space	• 30 GB free disk space • 10,000+ RPM HardDrive (for Point Cloud interactions) or Solid State Drive
Media	Download or installation from DVD9 or USB key
Pointing Device	MS-Mouse or 3Dconnexion compliant device
Browser	Microsoft Internet Explorer 10 or higher
Connectivity	Internet connection for license registration and prerequisite component download

Cloud Worksharing

Disk Space	Three times (3X) the total disk space consumed by equivalent RVT files for all cloud workshared projects accessed by the user.		
	4+ cores 2.6 GHz+	6+ cores 2.6 GHz+	6+ cores 3.0 GHz+
	Minimum	**Value**	**Performance**
Connectivity	Internet connection able to deliver symmetrical 5 Mbps connection for each machine on burst transfers.	Internet connection able to deliver symmetrical 10 Mbps connection for each machine on burst transfers.	Internet connection able to deliver symmetrical 25 Mbps connection for each machine on burst transfers.

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Operating System [1]	Microsoft® Windows® 10 64-bit • Windows 10 Enterprise • Windows 10 Pro Note: Microsoft® Windows® 7 SP1 64-bit, Enterprise, Ultimate, and Professional are supported but not recommended.

Revit LT 2020	
CPU Type	Single- or Multi-Core Intel® Xeon®, or i-Series processor or AMD® equivalent with SSE2 technology. Highest affordable CPU speed rating recommended.
Memory	8 GB RAM • Sufficient for a typical editing session for a single model up to approximately 100 MB on disk. This estimate is based on internal testing and customer reports. Individual models vary in their use of computer resources and performance characteristics. • Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process.
Video Display Resolutions	**Minimum:** 1280 x 1024 with true color **Maximum:** Ultra-High (4k) Definition Monitor
Video Adapter	**Basic Graphics:** Display adapter capable of 24-bit color **Advanced Graphics:** DirectX 11 capable graphics card with Shader Model 5
Disk Space	30 GB free disk space
Media	Download or installation from DVD9 or USB key
Pointing Device	MS-Mouse or 3Dconnexion compliant device
Browser	Microsoft Internet Explorer 10 or higher
Connectivity	Internet connection for license registration and prerequisite component download

Revit Server 2020			
Operating System	• Microsoft® Windows Server® 2012 64-bit • Microsoft® Windows Server® 2012 R2 64-bit		
Web Server	Microsoft Internet Information Server 7.0 (or later)		
CPU Type	4+ cores 2.6 GHz+	6+ cores 2.6 GHz+	6+ cores 3.0 GHz+
<100 Concurrent Users (multiple models)	**Minimum**	**Value**	**Performance**
Memory	8 GB RAM	16 GB RAM	32 GB RAM
Hard Drive	7,200+ RPM	10,000+ RPM	15,000+ RPM
100+ Concurrent Users (multiple models)	**Minimum**	**Value**	**Performance**
Memory	8 GB RAM	16 GB RAM	32 GB RAM
Hard Drive	10,000+ RPM	15,000+ RPM	High-Speed RAID Array
Virtualization	VMware® and Hyper-V® Support		

Revit 2020 Citrix: Minimum-Level Configuration [2]	
Citrix System	• XenApp® 6.5 Feature Pack 2 or higher • Citrix® License Manager • Citrix® Profile Manager
Server OS	As specified by XenApp® system requirements
Authentication	• Microsoft® Active Directory ○ Roaming Profiles supported
Client OS	• Microsoft Windows 10 64-bit
Client Browser	Microsoft Internet Explorer 10 or higher
User Access	Client computers should be bound to the network domain. Each client computer should have either the full Citrix or web client plug-in installed. Users should use their domain logins to access both the Citrix web console and the LAN.

Revit 2020 Revit LT 2020 VMware: Recommended-Level Configuration [3]	
VMware Software	• VMware Horizon® 6.1 or later • VMware vSphere® 6 or later
Virtual Machine Operating System	Microsoft® Windows® 10 64-bit • Windows 10 Enterprise • Windows 10 Pro
Host Server Recommendation	Performance
CPU	3.0 GHz+ Intel Xeon E5 or later; or AMD equivalent with SSE2 technology
Memory	384-512 GB
Networking	10 GB
Storage	~750+ IOPS Per User
GPU	NVIDIA® GRID (K260Q or later) or AMD MxGPU (Radeon Pro V340 or later)
Virtual Machine Settings	Performance
Memory	16-32 GB RAM
vCPUs	8 vCPUs
Disk Space	30 GB free disk space

Revit 2020 Revit LT 2020 **VMware: Recommended-Level Configuration** [3]	
Virtual Machine Connectivity	Internet connection for license registration and prerequisite component download.
User Access	Each client computer should have the VMware Horizon Client installed.

Revit 2020 Revit LT 2020 **Parallels Desktop® 11 for Mac: Recommended-Level Configuration**	
Host Operating System	macOS 10.13 ("High Sierra") or newer
Memory	16 GB
CPU Type	2.7 GHz quad-core Intel Core i7™ or newer
Virtualization Software	Parallels Desktop 13 for Mac or newer
Virtual Machine Operating System*	Microsoft® Windows® 10 64-bit • Windows 10 Enterprise • Windows 10 Pro
Virtual Machine Browser	Microsoft Internet Explorer 10 or higher
Virtual Machine Memory	8 GB RAM • Sufficient for a typical editing session for a single model up to approximately 100 MB on disk. This estimate is based on internal testing and customer reports. Individual models vary in their use of computer resources and performance characteristics. • Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process.
Virtual Machine Video Adapter	512 MB video memory minimum dedicated to the Microsoft Windows Virtual Machine. **Note:** While at Retina® display resolutions on macOS, turn off any Retina Resolution options in Parallels Desktop to adjust for proper DPI within Windows and Revit software products. **Graphics:** Parallels Desktop virtual display adapter without "Use Hardware Acceleration" option in Revit software products.
Disk Space	Minimum 40 GB free disk space; recommend 100 GB free disk space available
Media	Download or installation from USB key

Revit 2020 Revit LT 2020	
Parallels Desktop® 11 for Mac: Recommended-Level Configuration	
Pointing Device	MS-Mouse or 3Dconnexion compliant device
Connectivity	Internet connection for license registration and prerequisite component download