IT Pro related questions – Professional Graphics

- Does Dizzion DaaS and Cloud PC work well with my 2D/3D, professional visualization, design, and AEC applications?
- What GPU options does Dizzion provides?
- Which GPU should I use?
- What % of Frame sessions are running (v)GPU?

Does Dizzion DaaS and Cloud PC work well with my 2D/3D, professional visualization, design, and AEC applications?

Yes, Dizzion DaaS and Cloud PC support demanding applications from vendors like Autodesk, Adobe, Siemens, Unreal Engine, Enscape, NVIDIA Omniverse, Blender, Dassault, SolidWorks, Twinmotion, VRAY, Lumion, StableDiffusion, PTC and more. The Frame Remoting Protocol leverages GPU-based capture and encoding to deliver high frame rates and support for YUV444 color space, ensuring a high-quality user experience. Proper VM sizing on Nutanix AHV or the right cloud instances on Azure, AWS, GCP, or IBM Cloud is essential. Many customers successfully run these workloads—feel free to contact us for more details.

What GPU options does Dizzion provides?

Dizzion supports GPU-powered virtual machines across all major infrastructure platforms, including Microsoft Azure, AWS, GCP, IBM Cloud VPC, and Nutanix. These GPU-enabled instances are designed to support Virtual PC or Virtual Workstation use cases. NVIDIA-based instances typically include the required Virtual Workstation license on Azure, AWS, and GCP. For Nutanix and IBM Cloud VPC, this license must be purchased separately. AMD-based GPU instances do not require additional licensing.

Which GPU should I use?

Choosing the proper GPU depends on the resource requirements of your operating system and applications. Essential factors include GPU cores, GPU frame buffer (vRAM), and API support such as CUDA, DirectX, OpenGL, RTX, or Tensor Cores. Don’t assume that GPU slicing (e.g., NVIDIA vGPU or AMD vGPU) is always enough, or that a dedicated 1:1 GPU is always necessary. Understanding your specific workload needs is essential to ensure the right balance of performance and cost. Remember that the GPU is just one part of the overall system—CPU, memory, storage, and network performance also play key roles.

What % of Frame sessions are running (v)GPU?

Approximately 20% of our monthly active users leverage a GPU or a GPU partition (AMD or NVIDIA), significantly higher than the industry average among DaaS and VDI providers. Dizzion has historically been—and continues to be—a strong choice for graphics-intensive workloads, supporting a wide range of customer use cases across 2D and 3D applications, professional visualization, and design workflows. Our solution is optimized to deliver high-performance experiences for creative, engineering, and technical professionals who demand more from their virtual desktop.