



THE BEST WINDOWS 10 VDI USER EXPERIENCE

NVIDIA GRID + Windows 10

Migrating to Windows 10 is inevitable for keeping pace with modern demands. NVIDIA GRID™ helps you seamlessly transition and make the most of this new operating system resulting in happier, more productive users.



The percentage of companies that will have started Windows 10 deployment by the end of 2017¹.

BEFORE AND AFTER GRID

While traditional VDI deployments with Windows 10 can suffer from performance degradation and poor scalability, Windows 10 with graphics acceleration offers a consistent, high-quality experience at a lower cost.

Windows 10 VDI without NVIDIA GRID	Windows 10 VDI with NVIDIA GRID
Basic User Experience High CPU utilization due to increased graphics consumption, resulting to performance degradation	High-Quality User Experience CPU tasks offloaded to the GPU, resulting in a native-PC like experience even with increased demand
Costly CPU Utilization Requirements Increased CPU usage leading to lower server density and increased cost per user	Efficient Utilization of CPU Off-load graphics workloads from the CPU to the GPU for better performance and scalability
Scaled Down Application Functionality Reduced application feature set or applications simply won't launch	Rich, Immersive Application Experience Uncompromised experience-applications delivered the way the developer designed it
Limited Deployment Lifespan Difficult to plan for Windows 10 and application updates that require increasing graphics consumption	Future-Proof Deployment Lifespan Supports Windows updates and graphics accelerated applications today and in the future
Tethered Reduced experience on thin clients, tablets and devices without a GPU	Workforce Mobility Consistent experience on any device, increasing productivity and collaboration
Increased IT Help Desk Costs Degradation in experience relative to physical desktops leads to higher help desk calls	Streamlined IT and Reduced Help Desk Calls Happy users and higher VDI acceptance rate



The number of applications that are accelerated by graphics has **doubled** over the past five years².

4 REASONS YOUR WINDOWS 10 VDI NEEDS GPUS

- 1 SATISFY THE NEW NORMAL**
 GPUs are a minimum requirement for Windows 10 desktop editions³. Even common business applications now need GPU resources to run efficiently.
- 2 DELIVER INVESTMENT PROTECTION**
 The number of applications needing graphics acceleration is on the rise. GPUs will help you keep pace with that growth.
- 3 ENHANCE USER EXPERIENCE**
 Actual customer data provided by Lakeside Software's SysTrack Community and NVIDIA qualitative testing shows that user experience is higher with discrete GPU than without⁴.
- 4 IMPROVE DENSITY WITH GPUS**
 GPUs offload encoding and rendering tasks done by the CPU, lowering CPU utilization by 30% letting you to increase user density and deliver an immersive experience⁴.



Windows 10 has the highest graphics requirement of any operating system to date, with **32% more graphics consumption** than Windows 7⁴.

NVIDIA GRID enables organizations to capitalize on all Windows 10 has to offer, breaking down the barriers to the ideal digital workplace.

READ THE eBook
"The Top Four Reasons Windows 10 VDI Needs GPUs"

[READ HERE](#)

1. Gartner, April 25, 2017, "Gartner Survey Shows 85 Percent of Enterprises Will Have Started Windows 10 Deployments by End of 2017." [Press release]. Retrieved from <http://www.gartner.com/newsroom/id/3690917>

2. Data from Lakeside Software's SysTrack Community, 2017

3. Microsoft. "Minimum hardware requirements" <https://docs.microsoft.com/en-us/windows-hardware/design/minimum/minimum-hardware-requirements-overview> [retrieved August 2017]

4. Lakeside Software, Inc. "Elevating User Experience Through GPU Acceleration: A Windows 10 versus Windows 7 Analysis." Lakeside Software White Paper, 2017

