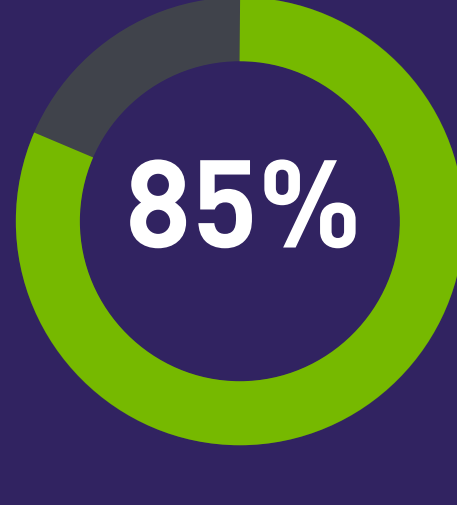




# THE BEST WINDOWS 10 VDI USER EXPERIENCE

## 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 2017<sup>1</sup>.

## 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.

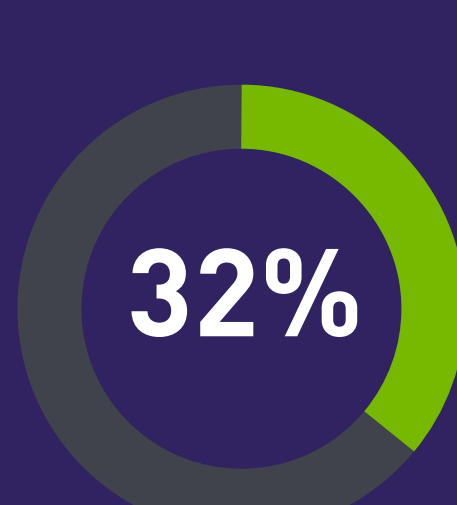
Windows 10 VDI without NVIDIA GRID	Windows 10 VDI with NVIDIA GRID
<b>Basic User Experience</b> High CPU utilization due to increased graphics consumption, resulting to performance degradation	<b>High-Quality User Experience</b> CPU tasks offloaded to the GPU, resulting in a native-PC like experience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



The number of applications that are accelerated by graphics has **doubled** over the past five years<sup>2</sup>.

## 4 REASONS YOUR WINDOWS 10 VDI NEEDS GPUS

- 1 SATISFY THE NEW NORMAL**  
 GPUs are a minimum requirement for Windows 10 desktop editions<sup>3</sup>. 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 without<sup>4</sup>.
- 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 experience<sup>4</sup>.



Windows 10 has the highest graphics requirement of any operating system to date, with **32% more graphics consumption** than Windows 7<sup>4</sup>.

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

