

Accelerate Media with VMware Horizon on Intel® GPUs

Technical Documentation

Overview, architecture support, how to access Intel® Graphics Drivers

Overview

The latest release of [VMware Horizon](#)* supports [Intel® GPUs](#) and provides media acceleration for screen capture encode enabled by [Intel® oneAPI Video Library](#) (oneVPL). With Intel GPU support, VMware customers have greater choice, flexibility, and cost options on a wider range of hardware systems for deployment without being locked to a single GPU vendor. Running VMware Horizon on systems with Intel GPUs does not require virtualization license server setup, licensing costs, or ongoing support costs.

This Horizon release for desktops and servers utilizes AV1 encoding on [Intel® Arc™ graphics](#) and [Intel® Data Center GPU Flex Series](#) optimized by oneVPL. The solution also delivers fast hardware encoding on all Intel® Xe architecture-based and newer GPUs (integrated and discrete). Users can have a better media experience with improved performance, reduced latency, more consistent frames per second, and lower CPU utilization. See [Boost video and graphics delivery in Horizon with VMware Blast and AV1 enabled on Intel GPUs](#) for more details.

This release supports Microsoft Windows* as well as Linux* VDI deployments on the data center GPU. Additional VDI environments are planned later this year.¹

Supported Intel® architecture

Intel® Xe architecture GPUs and newer
Intel® Arc™ graphics, including AV1 encoding
Intel® Data Center GPU Flex Series, including AV1 encoding

Intel GPU OEM vendors

Systems [featuring](#) Flex Series GPUs will be available from providers including Dell Technologies, HPE, H3C, Inspur, Lenovo, Cisco, Nettrix, PowerLeader, [Supermicro](#) and xFusion.

Getting Started, How to Access Intel® Graphics Drivers

This release supports accelerated screen capture encode on systems with Intel integrated and discrete graphics. Setup is relatively simple since no license server is needed.

Windows steps:

1. Install graphics driver: www.intel.com/content/www/us/en/download-center/home.html
2. Install Horizon

Linux steps:

1. Install graphics stack component packages: dgpu-docs.intel.com
2. Install Horizon

For Intel Data Center GPU Flex Series:

- Detailed setup instructions are available from OEMs providing certified Flex solutions. www.supermicro.com/en/accelerators/intel
- There is currently no option to obtain standalone cards or drivers.
- For Windows* drivers supporting media acceleration on VMware Horizon, contact your system OEM.
- Additional VDI environments are planned later this year.¹

*Other names and brands may be claimed as the property of others.

¹Roadmap Notice: All information provided in this question is subject to change without notice. Contact your Intel representative to obtain the latest Intel product specifications and roadmaps.