

DirectX11

19% faster on DX11

Today's Updates

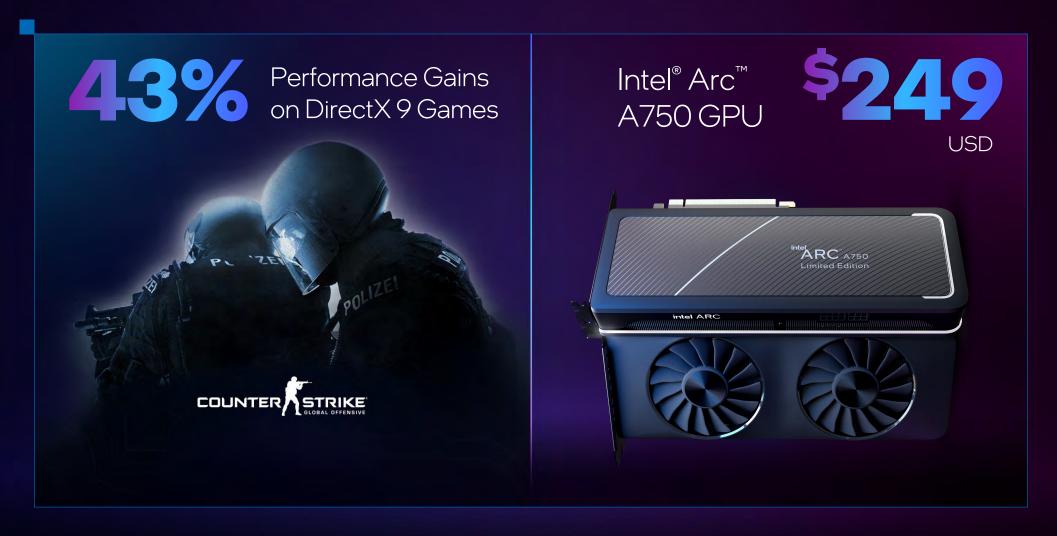


New "GPU Busy" metric

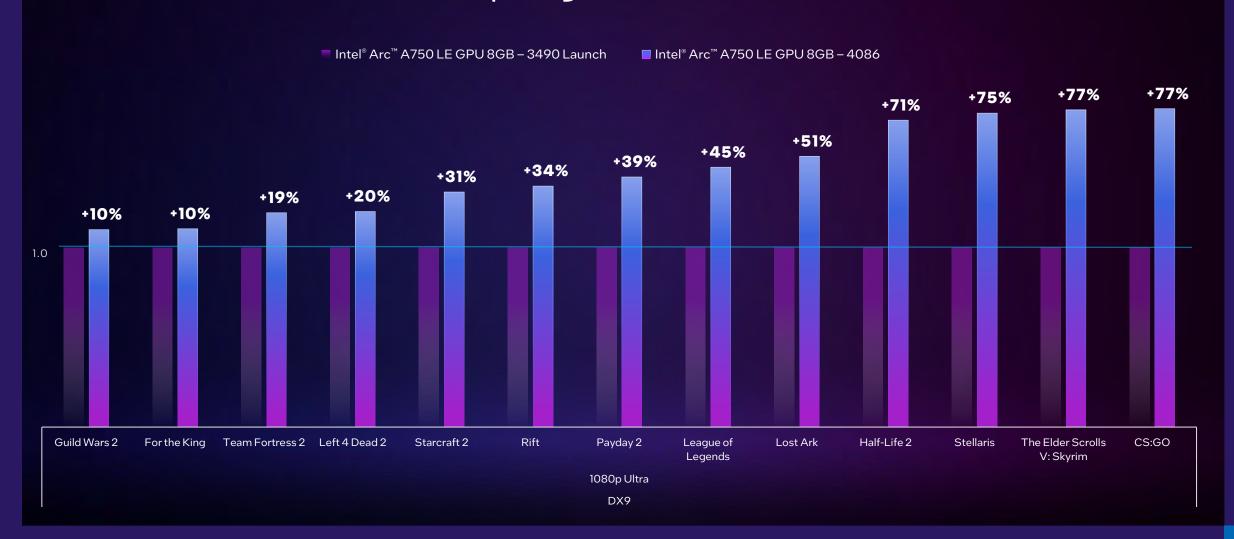


Intel® PresentMon Beta

Unleashing Intel® Arc™ Graphics



Big Improvements in DX9 Gaming Performance 1080p Avg FPS Normalized



INTEL® ARCT BALANCED BUILDS

Intel® Arc™ GPU Intel® Core™ CPU

Intel® Arc™ A7 Series GPUs

Gen Intel® Core™ i5 and Intel® Core[™] i7 CPUs

12th and 13th

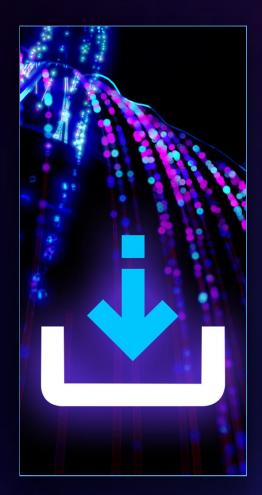
GPU+CPU \$419
Starting at:

Systems
Starting at:

USD



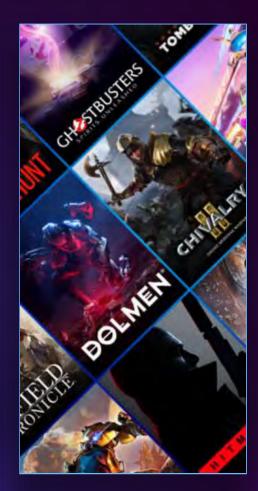
Commitment to Gamers with Intel® Arc™ Graphics



30 Driver Releases Since Launch



Supporting 57
Games with
Game On drivers



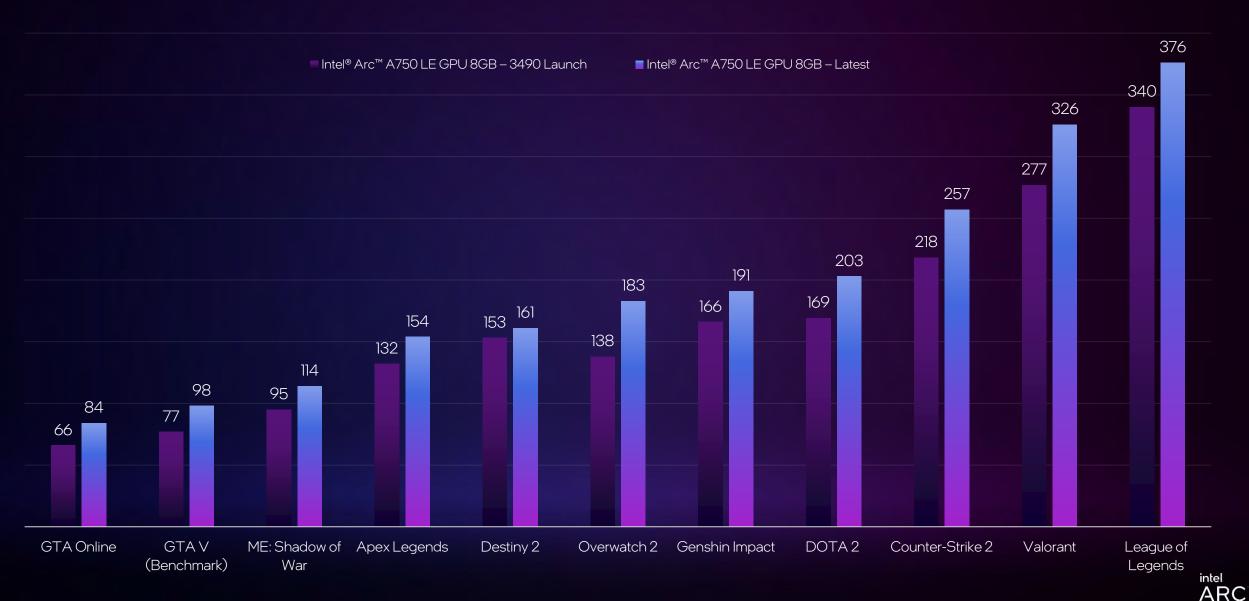
XeSS Now included in 70+
Games



Continuous Game Performance Improvements

Big Improvements in DX11 Gaming Performance

1080p Average FPS



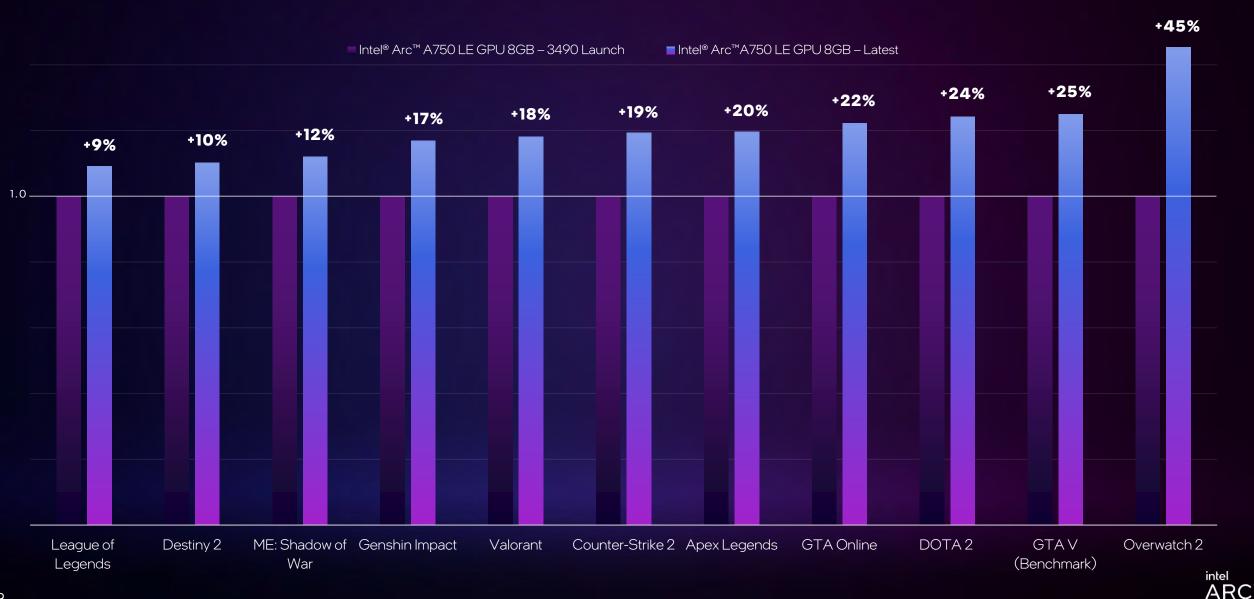
Big Improvements in DX11 Gaming Performance

1080p Avg FPS Normalized



Big Improvements in DX11 Gaming Performance

1080p 99th Percentile Normalized



Making Experiences Better on the Most Popular PC Games



lm+

523k





128k

Concurrent Players **53k**



N DOTA 2

494k

362k





DX11 Gaming Improvements on Intel[®] Arc[™] Graphics

Average FPS

19%

Faster

vs. Launch Driver



99th Percentile FPS

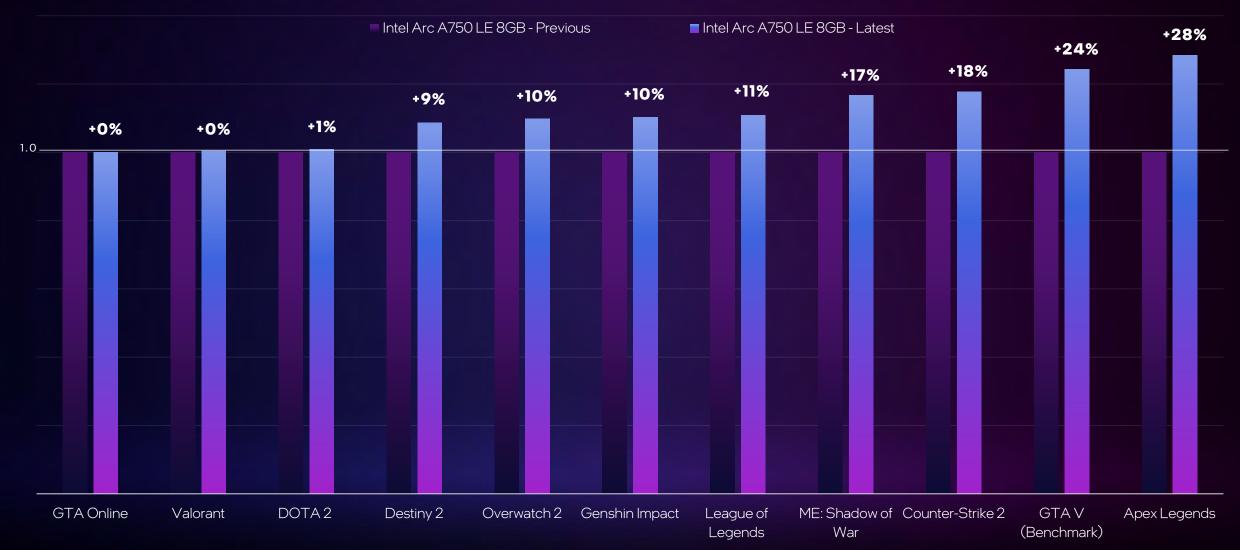
20%

Smoother

vs. Launch Driver

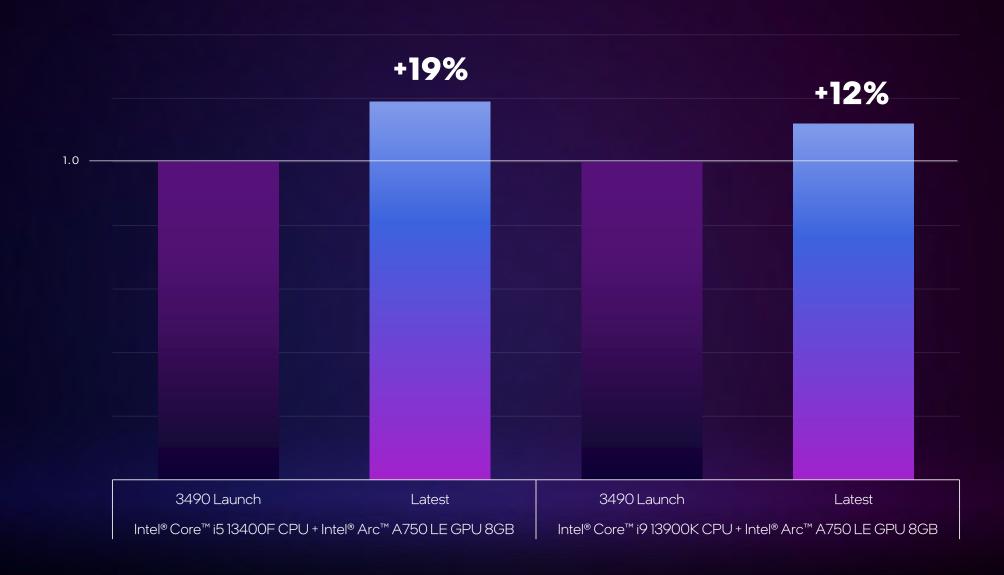
DX11 Gaming Performance Improvement on Intel® Core™ i9 CPUs

1080p Avg FPS Normalized

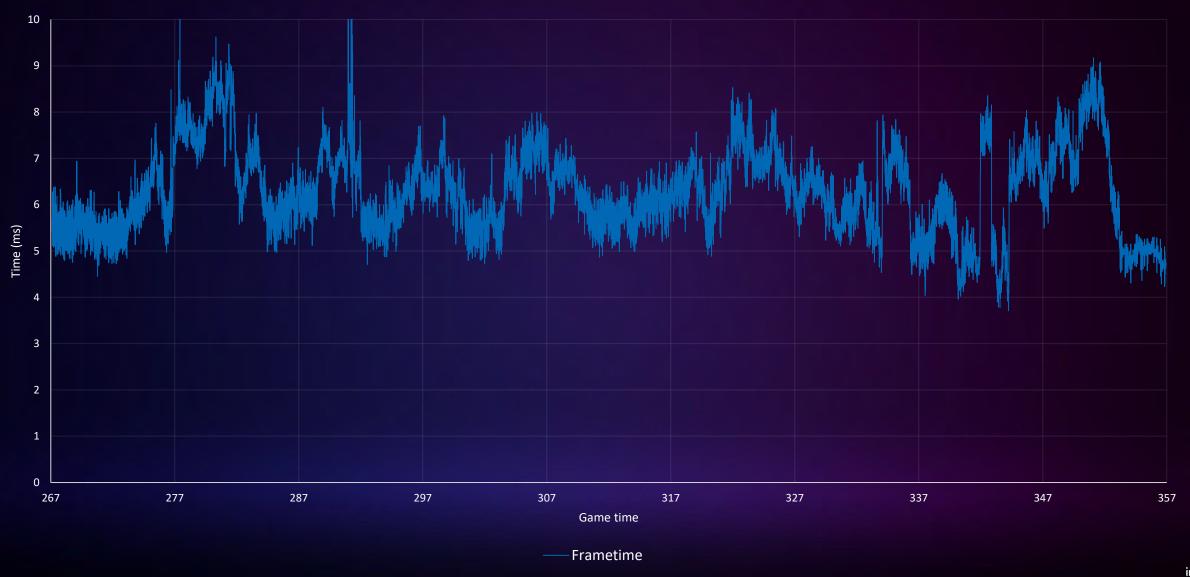




Avg DX11 Game Improvement for Intel® Arc™ Graphics 1080p Avg FPS Normalized

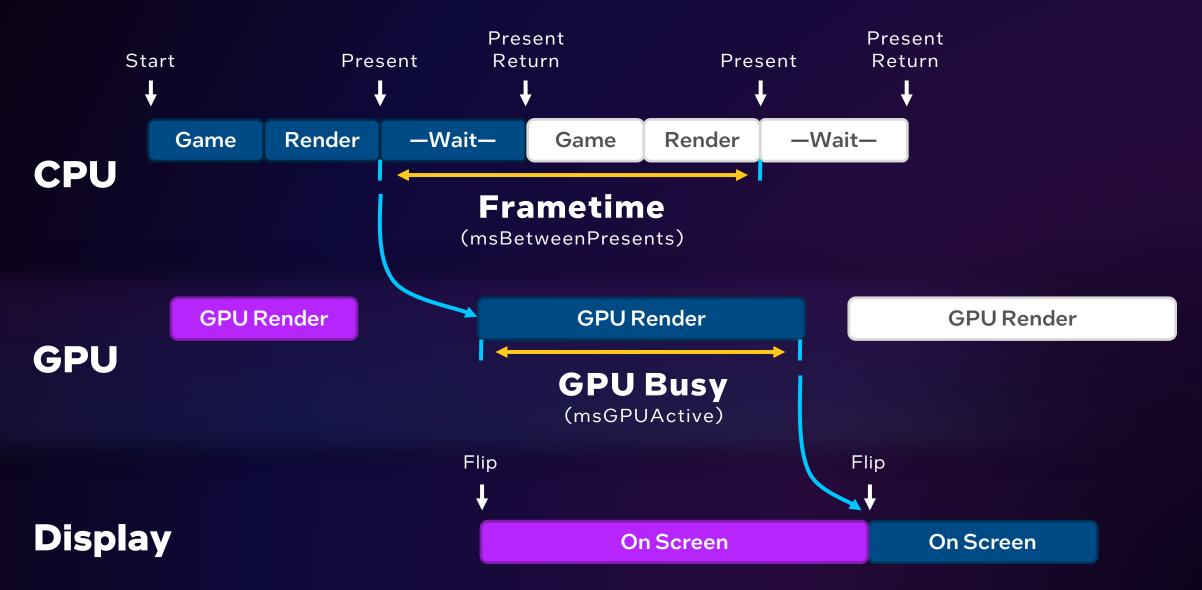


Intel[®] Core[™] i5 CPU — Launch Driver (3490)

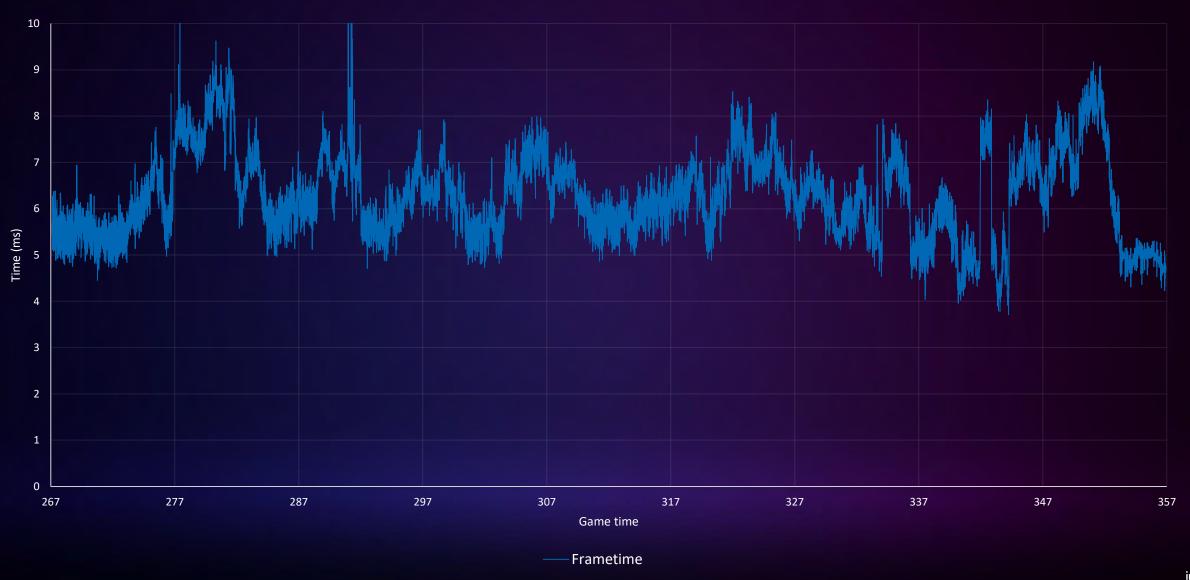


Example of Gaming Work Division

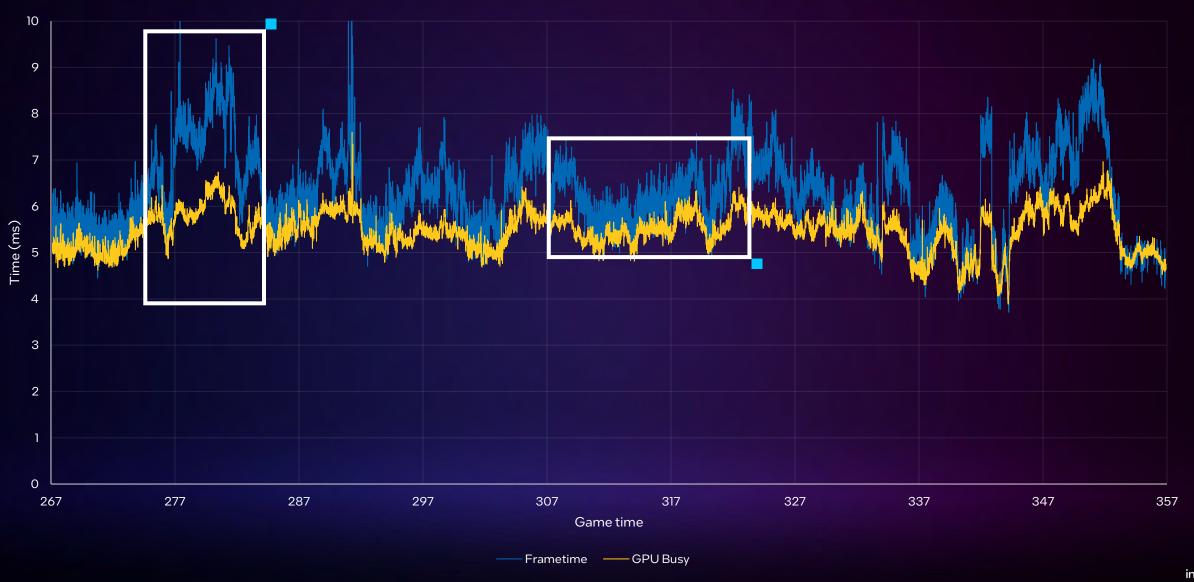
Overview



Intel® Core™ i5 CPU — Launch Driver (3490)

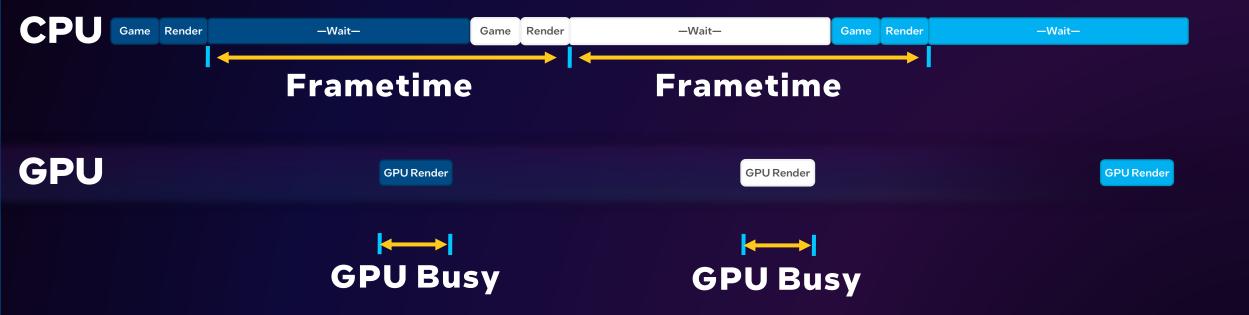


Intel® Core™ i5 CPU — Launch Driver (3490)

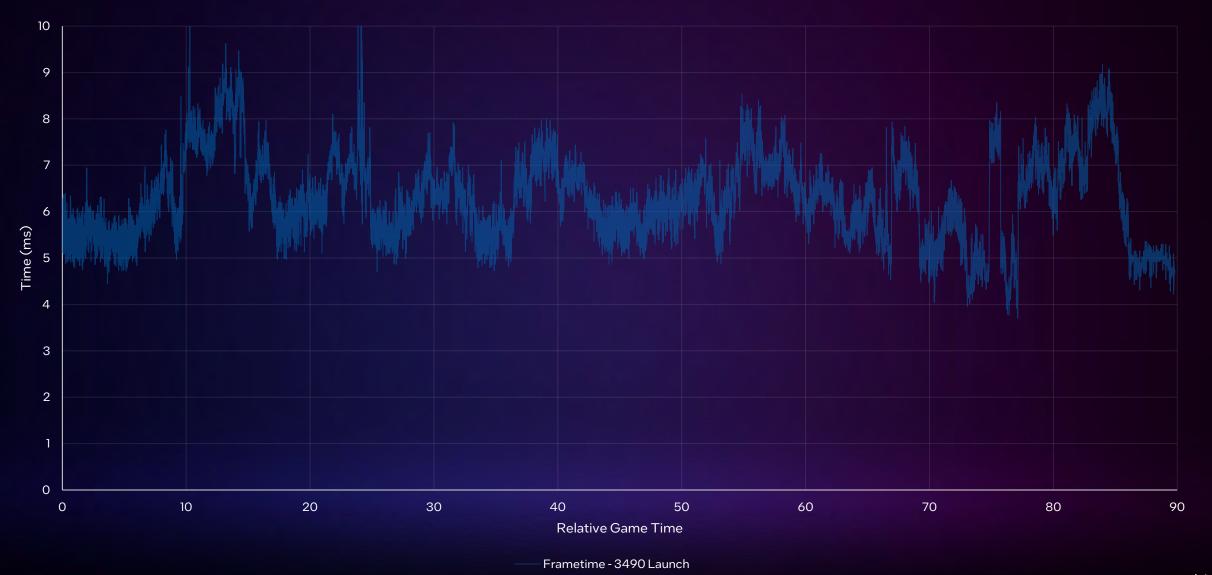


Example of Gaming Work Division

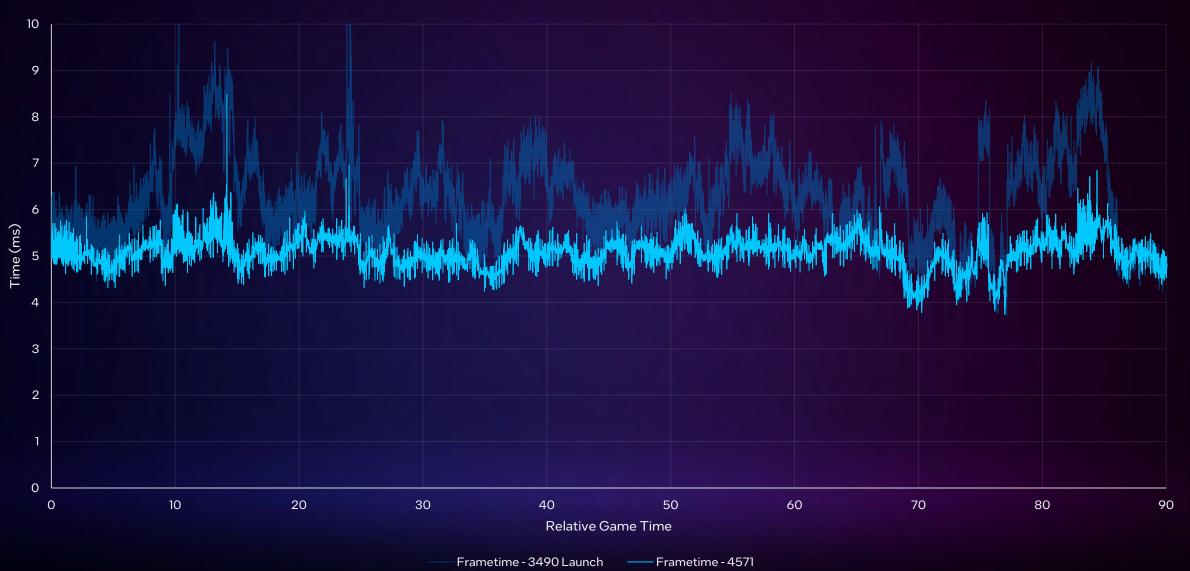
CPU limited



Intel® Core™ i5 CPU — Launch vs New Driver

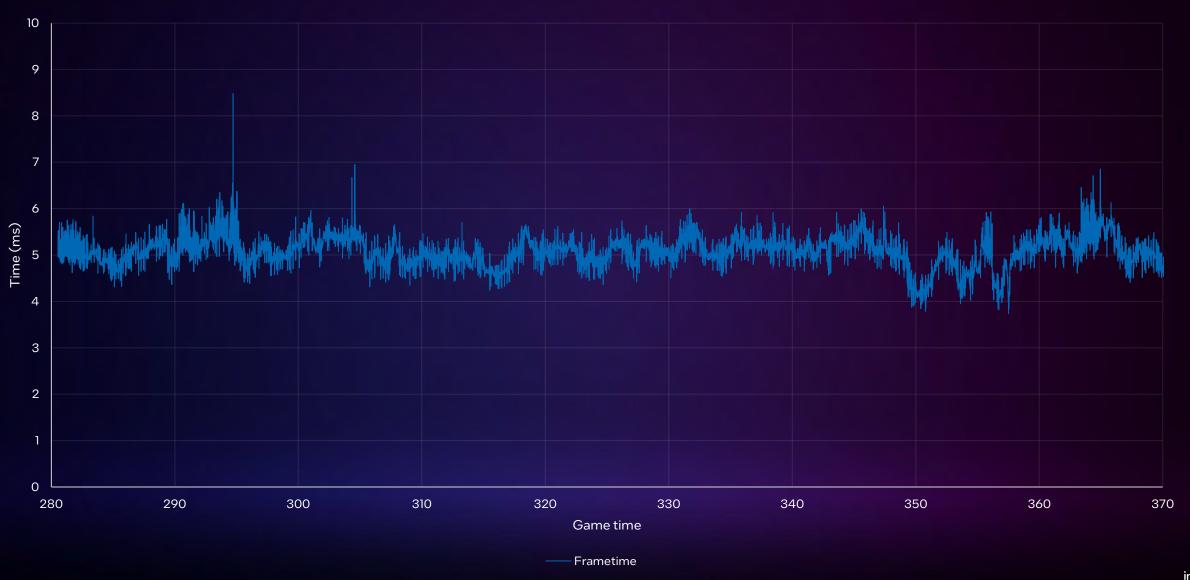


Intel® Core™ i5 CPU — Launch vs New Driver

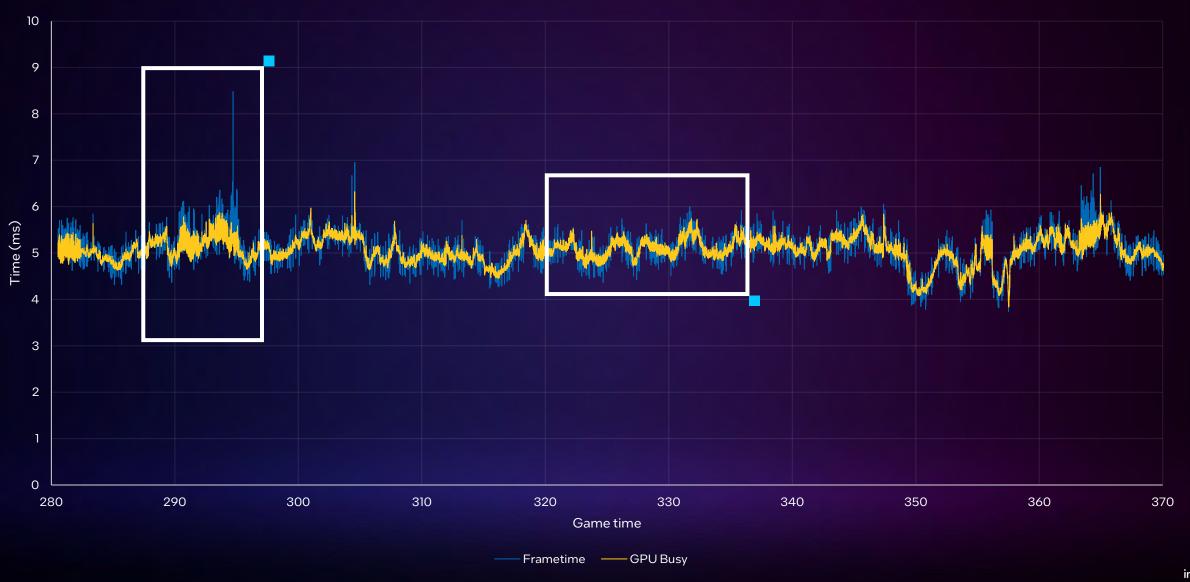




Intel® Core™ i5 CPU — New Driver (4571)

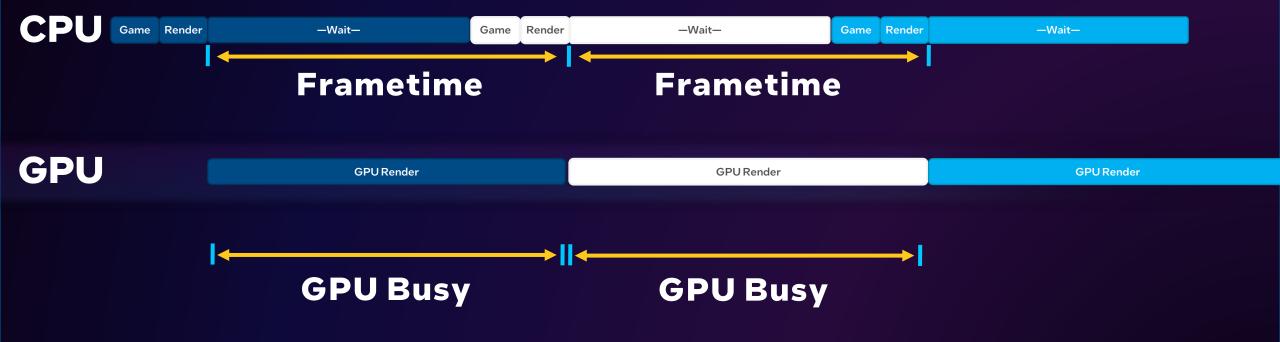


Intel® Core™ i5 CPU — New Driver (4571)



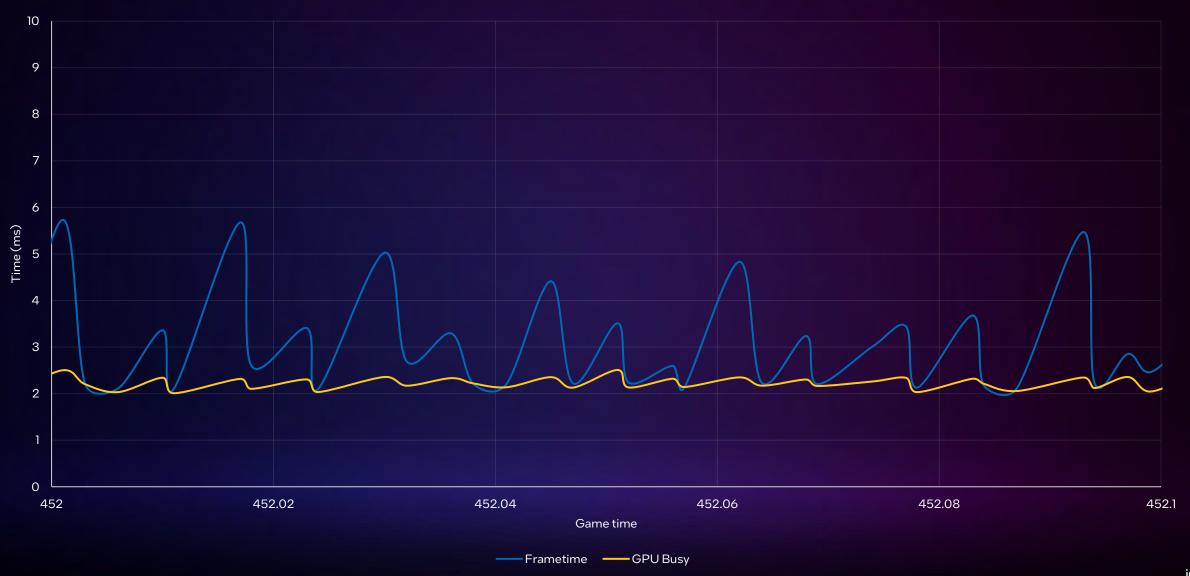
Example of Gaming Work Division

CPU and GPU Balanced



Counter-Strike 2 – 1080p Low

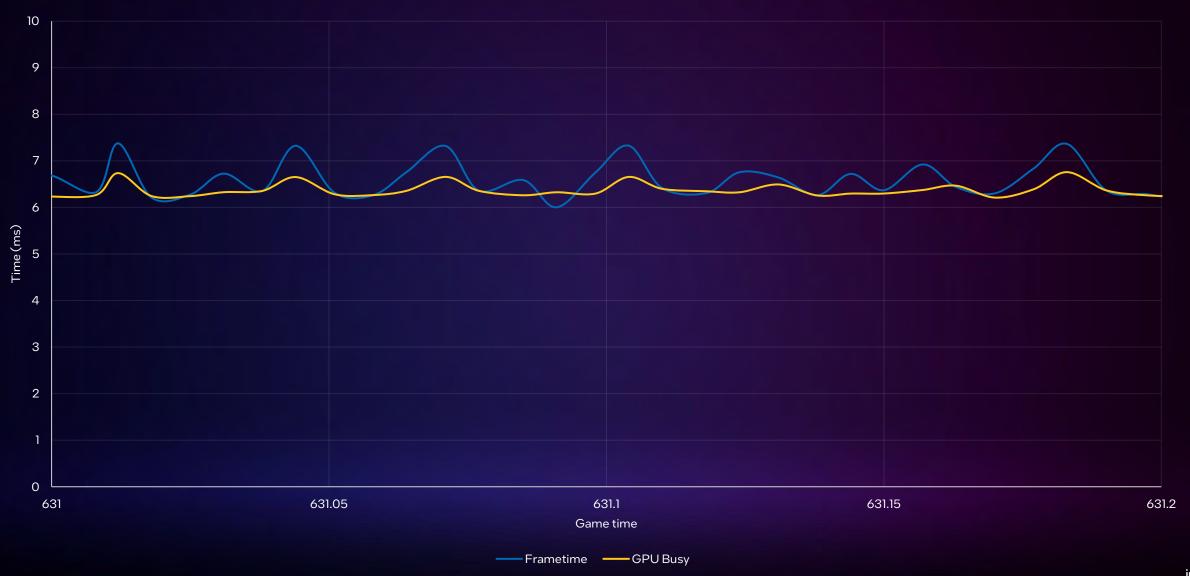
Intel® Core™ i5 CPU - New Driver (4571)





Counter-Strike 2 – 1080p Ultra

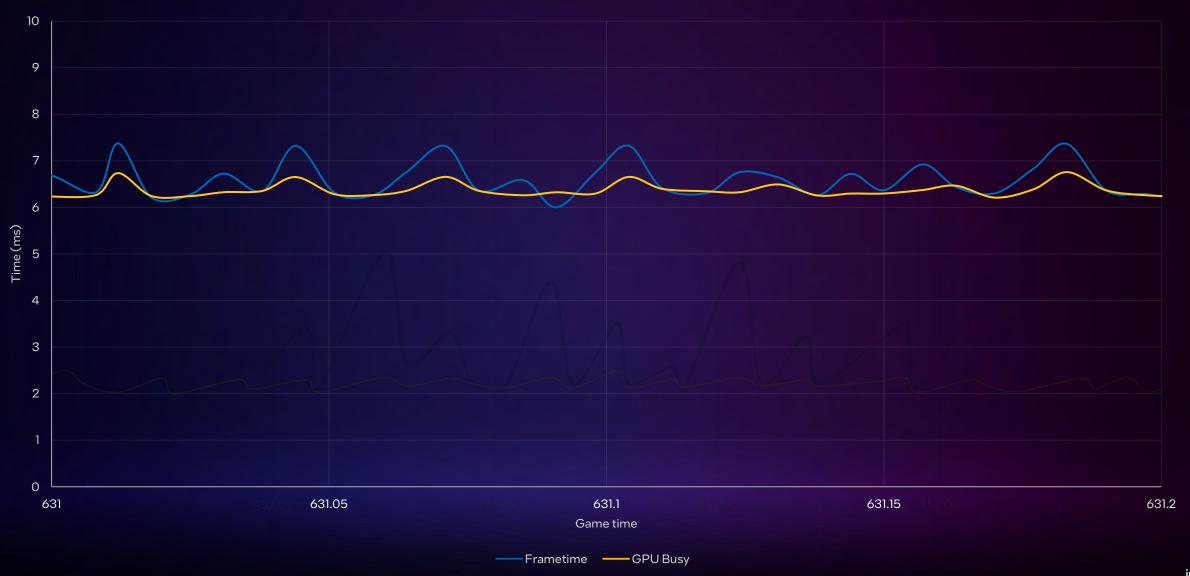
Intel® Core™ i5 CPU - New Driver (4571)





Counter-Strike 2 – 1080p Low vs Ultra

Intel® Core™ i5 CPU - New Driver (4571)



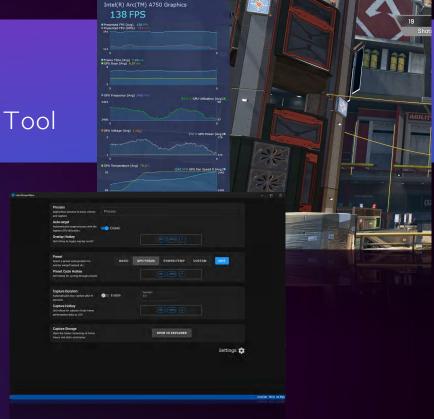




Intel® PresentMon Beta

New Performance Overlay, Capture, and Telemetry Tool

- Configurable overlay with real-time graphing
- Gaming PC balance metrics
- Integrated GPU telemetry and capture
- Multi-vendor support and open source
- Broad API support
- Command line options for power users
- Continued support for PresentMon developers and applications

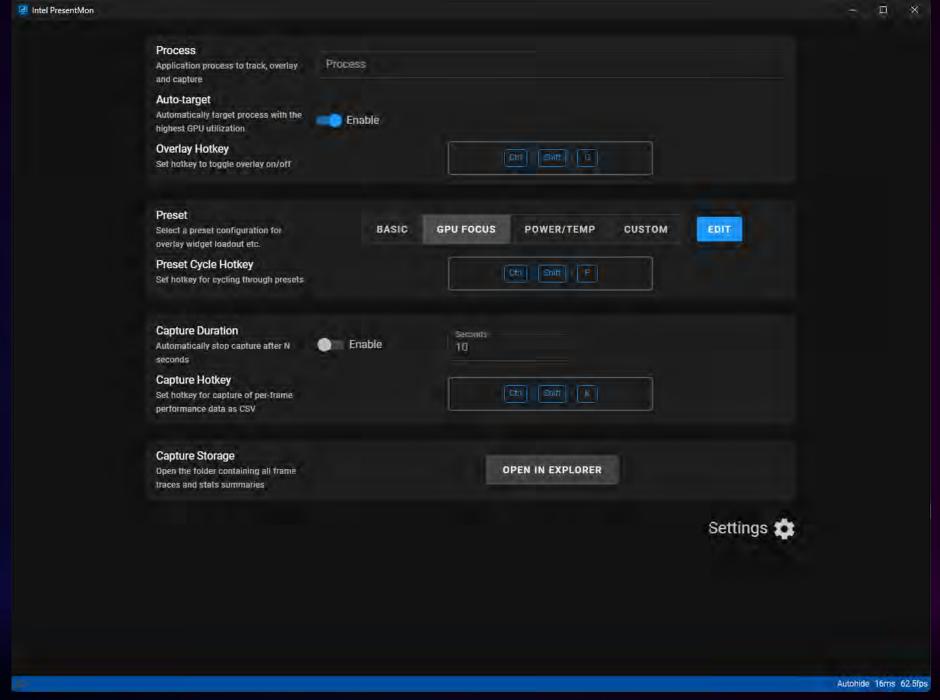


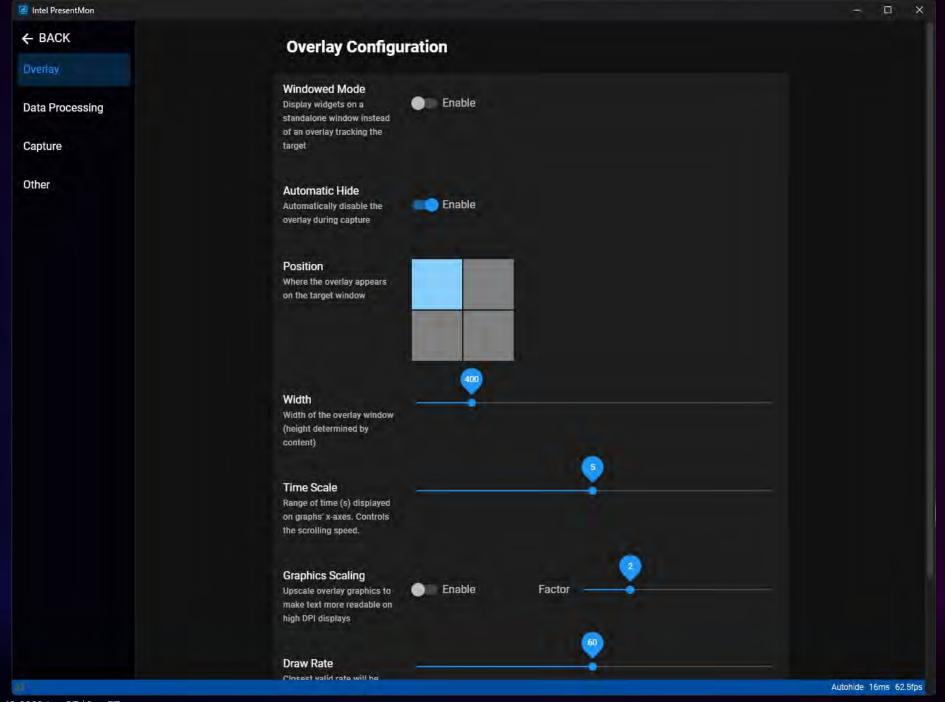
Download beta:

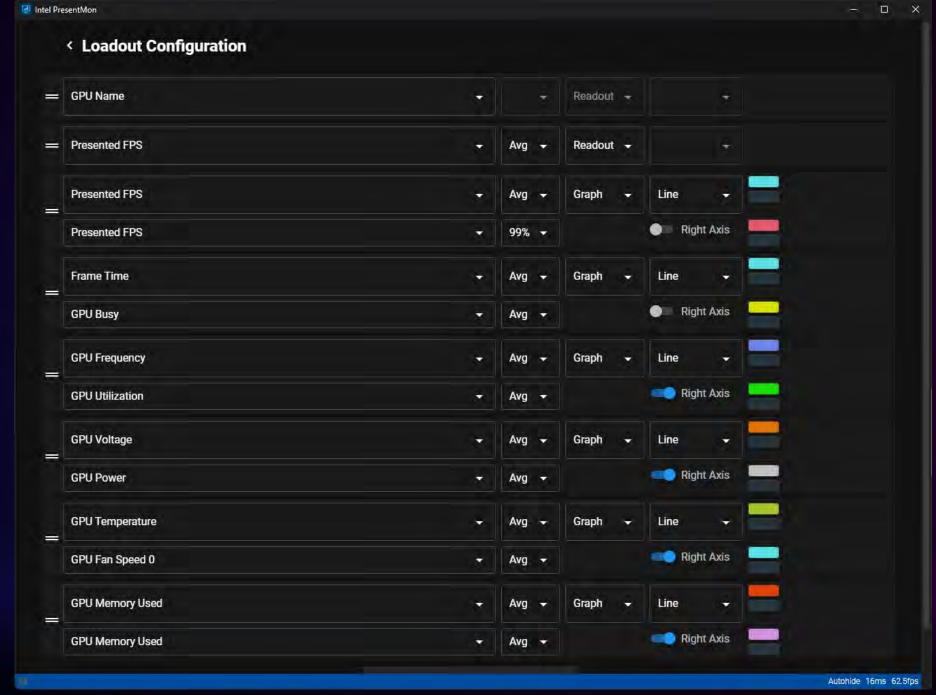
game.intel.com/story/
intel-presentmon/













DX11 Gaming Improvements on Intel[®] Arc[™] Graphics

Average FPS

19%

Faster

vs. Launch Driver



99th Percentile FPS

20%

Smoother

vs. Launch Driver

DirectX11

19% faster on DX11

Today's Updates



New "GPU Busy" metric



Intel® PresentMon Beta

Legal Disclaimers

Performance varies by use, configuration and other factors. Learn more at www.Intel.com/PerformanceIndex

No product or component can be absolutely secure.

Your costs and results may vary. Some results may have been estimated or simulated.

Intel technologies may require enabled hardware, software or service activation.

All product plans and roadmaps are subject to change without notice.

© Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries.

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



Workloads and Configurations

System Configurations

Workloads

Intel® Arc [™] Configurations

Processor:

- Intel® Core™ i9 13900K processor
- Intel® Core™ i5 13400F processor

Motherboard:

ASUS ROG Maximus Z790 Hero (BIOS: 1202)

RAM:

- Corsair DOMINATOR PLATINUM RGB 32GB (2x16GB) DDR5 DRAM at 5600MHz C36 (For Intel® Core® i9 13900K)
- Corsair DOMINATOR PLATINUM RGB 32GB (2x16GB) DDR5 DRAM at 4800MHz C36 (For Intel® Core® i5 13400F)

Storage:

Corsair MP600 Pro XT NVMe SSD

CPU Cooler:

• Corsair iCUE H150i ELITE LCD Display Liquid CPU Cooler

Power Supply:

Corsair RM850x

OS:

- Windows 11 Pro 22H2 (22621.1848)
- Windows 11 Pro 22H2 (22621.2134, GTA V Benchmark, Shadow of War, Apex Legends)

Discrete Graphics:

Intel® Arc™ A750 LE GPU

Graphics Driver:

- 31.0.101.3490
- 31.0.101.4571
- 31.0.101.4642 (GTA V Benchmark, Shadow of War, Apex Legends)

General Setup:

- Windows Balanced Power Plan Policy
- Windows Virtualization-based Security (VBS) Disabled
- Used Median of three test runs

As measured by average FPS in the following games at 1080p Ultra:

Testing as of

July 17, 2023

Counter-Strike 2 (2000080/13896)
Destiny 2 (7.1.0.2)
DOTA 2 (5742 (7.33D))
Genshin Impact (3.7.0)
Grand Theft Auto V (1.67 build 2944)
League of Legends (13.13)
Middle-earth: Shadow of War (1.21)
Overwatch 2 (2.5.1.0.114992)
Valorant (07.00.00.909577)

August 13, 2023

Apex Legends (3.0.40.25) Grand Theft Auto V (1.67 build 2944) Middle-earth: Shadow of War (1.21)

