



FAST-TRACK EVALUATION OF CLOUD-BASED WORKSTATIONS

Evaluate the potential of cloud-based remote workstations with minimal effort. An Intel-led collaboration offers turnkey proofs of concept based on purpose-built infrastructure. Work on 3D graphics from anywhere, with all data and applications hosted in secure data centers.

State-of-the-art remote workstation experiences are now possible on any device, using infrastructure as a service (IaaS) hosted on the Intel® Xeon® processor E3 v5 family with Intel® Iris™ Pro graphics. Intel's on-chip graphics technology powers a broad range of workstation-class applications for engineers, designers, and architects.

Simple access is now available to companies of all types and sizes, on a trial basis and beyond. Leverage the capabilities of remote workstations with support provided by IMSCAD, a global consultant in graphics virtualization technology.

STREAMLINED PATH TO PILOT



Cloud workstation evaluations are up and running quickly, with no capital investment

ONE VERSION OF THE TRUTH



Multiple designers, engineers, and others work on a single data set of record

ANY DEVICE, ANYWHERE



Remote rendering provides a common visual experience to diverse, distributed clients

PROTECTED INTELLECTUAL PROPERTY



Sensitive data remains housed in a secured, centralized data center

REMOTE WORKSTATIONS IN THE CLOUD, MADE SIMPLE

This production-ready environment draws on a four-way collaboration to deliver remote, workstation-class visual experiences from the cloud that meet the needs of the most demanding users. Available applications include Autodesk Inventor*, Revit*, Civil 3D*, and AutoCAD*, as well as Solidworks* 3D CAD software. Other software applications can be set up by request.

- **Intel** provides the architectural heart of the solution, including the Intel® Xeon® processor E3-1500 v5 product family with integrated Intel® Iris™ Pro graphics P580.
- **PhoenixNAP** global data centers host the systems, applications, and data that drive the remote workstation visual experiences for end customers.
- **Citrix** XenServer* is the first commercial hypervisor to support Intel® Graphics Virtualization Technology (Intel® GVT) capabilities to share graphics processors among collaborators.
- **IMSCAD** provides tools, expertise, and metrics that help customers optimize the solution to their individual needs and gauge its success in meeting those needs.

INTEL® XEON® PROCESSOR E3-1500 V5 PRODUCT FAMILY: INNOVATIONS FOR REMOTE WORKSTATIONS

Intel® Iris™ Pro Graphics P580

Accelerates remote workstation workloads with up to 1.26x the graphics performance of the prior generation¹

Intel® Graphics Virtualization Technologies (Intel® GVT)

Tailors visual experience by dedicating each processor to a single user or sharing them among user groups

Intel® Advanced Vector Extensions 2 (Intel® AVX2)

Accelerates vector- and integer-based imaging, video editing, modeling, and simulation applications



For more information, or for next steps toward a trial, contact
Cloud-Based-Workstation@intel.com

Solution provided by:



¹ Source: Intel® Xeon® processor E3-1500 v5 platform brief, <http://www.intel.com/content/dam/www/public/us/en/documents/product-briefs/xeon-e3-1500-v5-product-brief.pdf>.

Benchmark platform configuration (new generation): processor: Intel® Xeon® processor E3-1585L v5 @ 3.0 GHz; number of populated processor sockets: 1; number of physical cores per processor socket: 4; number of logical cores per processor socket: 8; number of processor threads per core: 2; L1 cache per socket (KB): 256; L2 cache per socket (KB): 1024; L3 cache per socket (KB): 8192; system memory: 16 GB; memory type: DDR3; memory speed: 2133 MHz; memory configuration: 8 GB; 8 GB; disk model: INTEL SSDSC2BA800G3; disk size: 745.21 GB; operating system: Microsoft Windows® 8.1 Enterprise 64-bit. Graphics hardware configuration: graphics accelerator: Intel® Iris™ Pro graphics P580; graphics driver version: 20.19.15.4323, display resolution: 2560x1440 @ 32 bpp; display refresh rate: 59 Hz.

Benchmark platform configuration (prior generation): processor: Intel® Xeon® processor E3-1285 v4 in workstation platform (Intel® S1200RP board); number of populated processor sockets: 1; number of physical cores per processor socket: 4; number of logical cores per processor socket: 8; number of processor threads per core: 2; L3 cache per socket (KB): 6 MB; system memory: 32 GB; memory type: DDR3 ECC UDIMM; memory speed: 1866 MHz; memory configuration: 4 x 8 GB, BIOS: S1200RP.86B.03.01.0002.041520151123; Intel® Hyper-Threading Technology best configuration; operating system: Microsoft Windows® 8.1. Graphics hardware configuration: graphics accelerator: Intel® Iris™ Pro graphics P6300 with driver 10.18.10.3980, Microsoft Windows 8.1*.

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at intel.com.

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families: Go to: http://www.intel.com/products/processor_number.

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