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5 Reasons Why
NVIDIA Omniverse™ Enterprise
for Media and Entertainment

At a Glance

Bring more ideas to life faster with NVIDIA Omniverse™ Enterprise and Dell Precision™ workstations. Built around the Universal Scene Description (USD) framework developed by Pixar, NVIDIA Omniverse Enterprise is ushering in a new era of 3D content creation. Discover how it is transforming virtual collaboration and expediting production processes.

Streamline
collaboration across the globe and applications

- Translate 3D file formats into one common language so teams can assemble, light, simulate, and render scenes in real time.
- Reduce review cycles, fast-track approvals with real-time dailies, and easily build custom USD-based workflows and pipelines.

Accelerate
time to production with next-gen visualization and simulation

- Develop tools to accelerate content production.
- Reduce review times by creating in context with fully lit and textured environments.

Automate
time-consuming tasks and free creatives to push ideas further

- Instead of repetitive tasks, creatives can explore more design possibilities with the help of generative AI tools.
- NVIDIA Omniverse Enterprise Audio2Face and Audio2Gesture automatically convert sound clips into facial or gesture animations.

Maximize
NVIDIA Omniverse Enterprise benefits with Dell Precision workstations

- Dell Precision AI-ready workstations deliver the performance, stability, and reliability you need to take full advantage of NVIDIA Omniverse Enterprise.
- Workstations are certified by NVIDIA to support real-time ray tracing for live collaboration and extremely responsive with large datasets.

Proven
at major media and entertainment companies

- Using NVIDIA Omniverse Enterprise, Sony Pictures Animation developed an app to sync files automatically in minutes instead of days.
- Sony produced 4X more shot iterations compared to previous films.

Read Case Study

Technical Deep Dive

Dell Precision™ workstations powered by NVIDIA RTX™ Ada Generation GPUs

Get the most out of NVIDIA Omniverse Enterprise with NVIDIA-certified Dell Precision workstations. Configure systems with up to two NVIDIA RTX™ 6000 Ada Generation GPUs (each touting 48GB VRAM), NVIDIA high-performance networking, and up to two CPUs.

Develop and deploy custom apps without extensive programming knowledge

Build Python apps and extensions fast in a low-code environment with easy-to-use NVIDIA Omniverse Enterprise developer tools. Get started with fully customizable NVIDIA Omniverse Enterprise foundation apps, best-practice implementations of native USD apps for 3D data aggregation and large-scale world simulation.

Aggregate files automatically with Universal Scene Description (USD)

Spend less time importing and exporting 3D and CAD files and transferring data between tools. NVIDIA Omniverse Enterprise and OpenUSD support a wide range of software and file formats, including Autodesk Maya, Autodesk 3DS Max, Epic Games Unreal Engine, Blender, GLB, GITF, OBJ, and OpenVDB, to name a few. See Full List

Connect your 3D tools with applications and connectors

Integrate your preferred tools seamlessly with a rich catalog of third-party extensions that can be easily modified for your workflow. Omniverse Connectors provide the highest fidelity connection with live-link workflows between third-party applications.

Next Steps

Email us at omniverse@dell.com to learn more about developing on NVIDIA Omniverse Enterprise and OpenUSD with Dell Precision workstations.

Contact Us | Explore Solutions | Read White Paper

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