

SOLUTION BRIEF

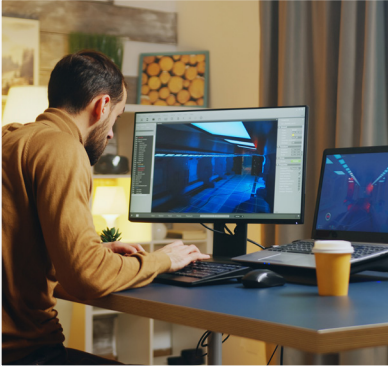
Create Amazing, Interactive Gaming Experiences from Anywhere

Flexible, high-performance remote work solutions for video game development at the studio or from home with support for all gaming platforms.

For developers, artists, and IT professionals who require the local, under-the-desk experience of their workstation in their gaming studio but are situated elsewhere, Teradici PCoIP solutions offer the ultimate flexibility without compromising on performance.

teradici[®]

teradici.com/gaming



Today's Limitless Possibilities with Remote Video Game Development

Like the most intensive online multi-player games with high-end graphics, game development environments also demand high frame rates, low latency, and amazing responsiveness. Teradici Cloud Access Software, powered by PCoIP technology, is already trusted in the Media & Entertainment industry, with the world's leading VFX studios and artists realizing the capability of build-to-lossless and 100% color accuracy.

Teradici Cloud Access Software enables game development studios of all sizes to work remotely from anywhere, accelerate game production and launch, and secure sensitive assets within your own data center or choice of public cloud.

Powering Remote Game Development Infrastructure

For over a decade, Teradici has established a solid track record with leaders in media and entertainment, government agencies and a variety of other industries worldwide, powering remote graphics workloads in a highly secure manner. A high-fidelity desktop experience is delivered as an encrypted pixel stream to your choice of endpoint device, while your content remains secured in your data center. Over 80% of post-production studios that leverage centralized workstations look to PCoIP technology to serve their remote access needs. Game development can also benefit from PCoIP technology signature attributes - delivering premium image quality, high interactivity, and smooth playback over any network.

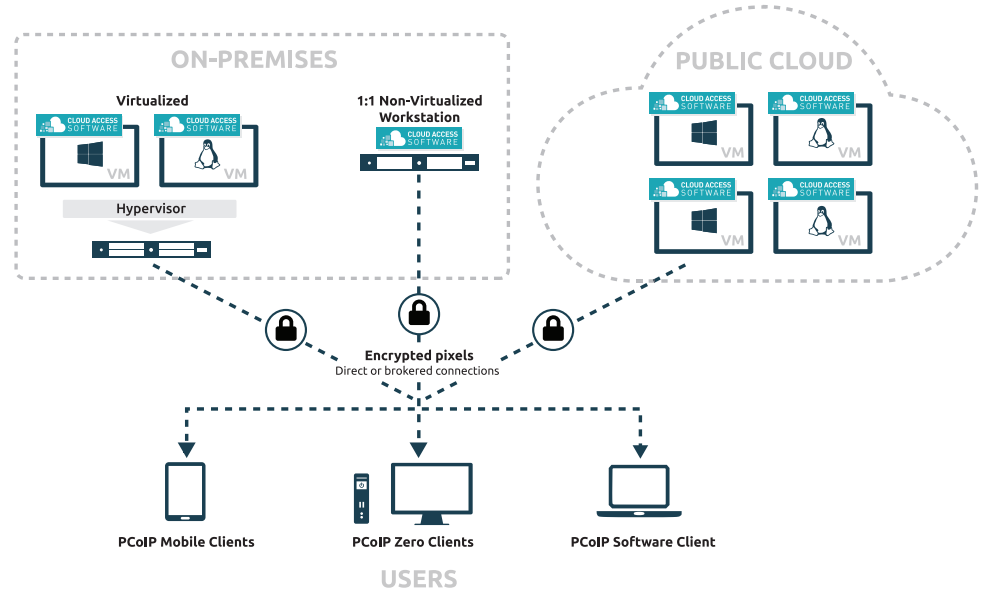
Delivering Seamless Workflows for Artists

Teradici actively collaborates with leading game engines such as Unreal Engine and Unity as well as gaming powerhouses like AMD, Intel and NVIDIA and leading public cloud providers (AWS, Google Cloud, Microsoft Azure) to ensure consistently high performance and product compatibility via Teradici's strategic partnerships. These integrated solutions offer end-users high interactivity, premium image quality, full video playback up to 60 fps, GPU/CPU off-loading, and interoperability with a wide array of monitors. Gaming IT departments benefit from the flexibility of a seamless hybrid cloud architecture, offering development staff either on-premises or public cloud workstation resources, all realized within a unified connection management environment.



“Even with just a 40Mbps home Internet connection, artists using Teradici Cloud Access Software have an amazing experience with Maya, ZBrush, and Unreal Engine running on their office workstation—and can use Wacom devices. When we tested Remote Desktop, in contrast, artists needed a 100Mbps connection to use ZBrush. And even at that speed Wacom devices and Unreal Engine were unusable.”

CHRIS McCANN
SENIOR SUPPORT ENGINEER
FIRESPRITE GAMES



A remote workflow also gives way for untapped flexibility. Wherever your staff or contractors are located around the world, give them the tools required for unparalleled performance, while having the exact, specified machine configurations needed from one person to the next. On-boarding is simple and likewise, disconnecting is just as stress-free.

Challenging Remote Work Scenarios – Enable Remote Development and QA

Teradici Cloud Access Software, an end-to-end, ultra-secure software solution for next-generation gaming studios enables a seamless transition for game development staff, even under difficult or varying network conditions. Plus, no need for VPN connectivity to connect from home or remote studios.

Build Games with the Ultimate Flexibility, Management, and Scalability

The option of enabling virtualized desktop infrastructure to augment dedicated gaming boxes also cuts the need for many expensive hardware upgrades. Teradici Cloud Access Software includes a comprehensive management solution, Cloud Access Manager, that enables highly-scalable and cost-effective desktop and workstation deployments. Cloud Access Manager provides user entitlements, brokers secure connections between users and desktops, offers multi-factor authentication and manages cloud computing costs by powering resources up and down strictly as-needed.



Teradici partners with Wacom and certifies that its products work seamlessly together so artists working remotely will always have the best performance, including 4K support on Wacom Cintiq Pro 24s.

For a full list of compatible Wacom devices, visit: teradici.com/wacom

Unrivalled Remote User Experience for Key Applications

Access your go-to applications such as Autodesk Maya, Houdini, Nuke, Blender, ZBrush, 3DS Max, and many others configured for multi-monitor environments, up to 4K/UHD display topologies, including lossless text and color accuracy – no more blocky compression artifacts imposed by the display protocol. The PCoIP protocol has a trusted history embraced by distinguished studios worldwide for unrivalled user experience compared to alternatives. Use your Wacom devices for artistic editing with near-imperceptible interactive latency and experience acceleration for post-production work, even over difficult high latency WAN conditions.

Have Peace of Mind with Content Security Best Practices using PCoIP Solutions

Gaming studios rely on PCoIP technology to achieve security compliance related to the safeguarding of intellectual property and yet-to-be released titles. Using Cloud Access Software, media and game assets are securely isolated in the data center, only accessible from authorized network endpoints as an encrypted stream of pixels. Because files themselves are never downloaded to the endpoints, intellectual property remains at studio-grade security, no matter what software applications are used to access your content.

Business Continuity and Disaster Recovery Strategies

The gaming studio in the cloud offers a major advantage – the ability to have readily-accessible, back-up virtual workstations safely on standby in a public cloud that can be spun up at a moment's notice, in times of natural disasters, catastrophic events, or simply when data center agility is needed. Incrementally add remote desktops with ease and ensure you're always ready to address the surprise computing needs of your staff. IT downtime or unexpected interruptions for your business is inevitable. Whether it be a few minutes or a few hours, the consequences can be very costly. For production workflows to be re-established quickly takes a virtual desktop solution that delivers on rapid deployment, accessibility, ease of use, security, and performance.

Customer Story:

Firesprite Games, where team members build incredible games from home, on any device—with Teradici Cloud Access Software

[View Customer Story](#)

Consolidate Graphics with Storage and Render Farms

Give your creative applications and games a boost by consolidating your graphics workstations alongside existing cloud storage and render farms. If your organization has multiple offices or recruits remote contractors, support them via a central location or the public cloud, providing dramatic savings in equipment, logistics and support costs. Virtual machines are no longer just limited to virtualized server applications, databases or render farms but are now fully geared to streamline your entire content production workflow.

Transition to the cloud on your terms. Cloud Access Software supports any mix of private or public cloud environments, Windows or Linux virtual desktops and GPU or non-GPU based infrastructure.

Extend your Talent Pool, Internationally

Gone are the days where geographic expansion plans snowball into large CAPEX outlays and IT infrastructure overhauls. Staff up with those highly sought international professionals and hire gaming industry experts & new talent globally. Or with Teradici's hybrid cloud deployment options, gaming studios can strategically locate facilities to benefit from out-of-state tax credits, either cross-border from your data center or via a public cloud facility in a different region. Workflows enabled by virtualization needs can produce sufficient outcomes without large physical footprints and expenditures.

Reduce Noise and Power Consumption

Deploy low-power PCoIP Zero Clients for the ultimate comfort of your game development professionals – no more heat exhaust from local workstations or distractions from noisy fans. You'll see the benefit in the bottom lines of your air conditioning bill and spend less time on IT maintenance too.

PCoIP Zero Clients also allow remote staff to access production applications back in the studio from their makeshift at-home workstations, with better security and often offering higher performance than locally installed applications on home computers or laptops. Plus PCoIP Zero Clients have verified Xbox controller support.

The Result: Streamlined content production even under the most demanding environments. Gaming studios are ideally positioned to take advantage of remote gaming platforms and workstations for coding/development, artistic development (motion capture, cinematics, VFX, character modellers, lighting, audio), gameplay testing (including UI/UX) with PCs or consoles like Xbox and PlayStation, and outsourcing asset creation. As studios are shifting to cloud-based or remote workflows decoupled from endpoint hardware, remote desktops pave the way for efficiency and flexibility.

Solutions

Teradici All Access subscription plans give you PCoIP remoting solutions that lower IT costs and administrative time while allowing your team the flexibility to work any way they need to. With All Access, you can now securely deliver workspaces and applications from the cloud or datacenter of your choice - migrate your existing applications, mobilize your creative teams or leverage the power of GPUs in the cloud.



Desktop Access

For VMware Horizon or Amazon WorkSpaces users, and PCoIP Zero Client and Management Console Enterprise administrators.



Cloud Access

Deliver Windows or Linux workloads from private data centers, public clouds or any combination of the two. Includes support, resources, and brokering for PCoIP Remote Workstation Cards.



Cloud Access +

Deliver graphics-intensive Windows or Linux applications from private data centers, public clouds or any combination of the two. Includes support, resources, and brokering for PCoIP Remote Workstation Cards.

Professional Services

Our Professional Services deliver the expertise and experience of our engineering and support teams. As your trusted PCoIP technology partner, we will help design, integrate and optimize your PCoIP deployments, so you can focus on your core business.

Get in touch with a Teradici Sales Representative to learn more or request a trial at: connect.teradici.com/contact-us