



SOLUTION BRIEF

Be On-Air Ready, No Matter What

Dynamic Teradici PCoIP® Solutions for Broadcast Studios

With the rise in popularity of streaming platforms and customer demand for content increasing more than ever, broadcast studios have had to pivot to meet consumer needs, therefore requiring flexible and scalable cloud computing for more efficient production automation/collaboration.

Professionals in the broadcasting industry depend on secure access to powerful editorial workstations. PCoIP technology adds flexibility to your production workflow by offering remote workstations, accessible from anywhere, without compromising user experience. Stay connected to your virtual broadcast studio and work remotely from anywhere, whether your assets are secured in your own data center or your choice of public cloud.

teradici®

teradici.com/broadcasting

Powering Virtualized Broadcast Infrastructure

Accelerated by the need for enabling remote work, the post-KVM (keyboard-video-mouse) technology era in broadcast studio access has arrived. Visualize and interact with media workloads from anywhere with Teradici PCoIP solutions.

For over a decade, Teradici has established a solid track record with media and entertainment organizations 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. PCoIP technology is renowned for delivering premium image quality, high interactivity, and smooth frame playout over any network.

Video Editors, Rejoice! Seamless Editorial Needs and Workflows

Teradici actively collaborates with leading video editorial giants such as [Adobe](#) and [Avid](#) to ensure consistently high performance and product compatibility via our strategic partnerships. These integrated solutions offer end-users high interactivity, premium image quality, smooth frame play-out and a software upgrade path to future HDR solutions on their editing platform of choice. Broadcast IT departments benefit from the flexibility of a seamless hybrid cloud architecture, offering production and editorial staff either on-premises or public cloud workstation resources, all realized within a unified connection management environment.

Professionals in the broadcasting industry worldwide depend on PCoIP remote workstations for an uncompromising user experience — ultra-secure access to graphics-intensive applications while your media assets remain protected. With Teradici PCoIP solutions, you can now work from anywhere, whether your assets are secured in your own data center or your choice of public cloud.

Challenging Remote Work Scenarios

With television studios worldwide forced to integrate work-from-home options into production workflows, organizations are feeling the heat to

“We take great care in choosing the people, locations, and solutions we need to produce *Survivor South Africa*. Teradici Cloud Access Software and exceptional support from Brave Channels help us ‘punch above our weight.’ We’ve been on or ahead of schedule all season—and with production value that’s second to none.”

HANDRIE BASSON
FOUNDING PARTNER AND
EXECUTIVE PRODUCER,
**AFROKAANS FILM
& TELEVISION**

offer compelling alternative computing solutions to address the needs of staff. However, TV production operations rely heavily on physical infrastructure. Certain control room staff may need to be present in the studio but positions such as post-production editors, loggers, researchers, and archivers, can utilize the computing power of a virtual workstation, without losing the familiar experience provided by an under-the-desk computer. Teradici Cloud Access Software, an end-to-end, ultra-secure software solution for next-generation virtualized studios enables a flick-of-a-switch transition for post-production crew, even under difficult or varying network conditions. Plus, no need for VPN connectivity to virtualized edit bays from home or mobile studios.

While proprietary KVM technology provided an early catalyst to centralization of studio resources coupled via SDI networks, the shift to virtualization and IP infrastructure is game-changing for infrastructure cost-optimization and flexibility. Not only are studios seamlessly extending footprints into the cloud for economical storage and server resources, the realization of full-blown workstations streamed over IP networks provides consolidated on-premises resources, augmented by geo-flexible pay-as-you-go workstations in any major public cloud for broadcasting contractors, mobile teams or work-from-home production crews.



Ultimate Flexibility, Management, and Scalability

The switch to software-based virtualized desktop infrastructure also cuts the need for many expensive KVM 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.

Cloud Access Manager supports hybrid and multicloud scenarios, including on-premises environments — offering seamless connectivity no matter where your desktops, data, and compute power are located, whether in studio edit bays or any of the leading public cloud providers. Under unified connection management and a single administrator pane, Cloud Access Manager brokers, scales, and manages your compute costs.

“We had been looking for a solution that would allow us to move people around quickly and easily. We looked at KVM technology (keyboard, video, and mouse), but that didn’t solve our problem. Someone at our office saw a Teradici PCoIP technology demo, so we purchased an evaluation kit. They were pretty amazed but they couldn’t tell the difference at all [when the Vancouver studio was using workstations that were located in California].”

SAKER KLIPPSTEN
HEAD OF ENGINEERING
ZOIC STUDIOS

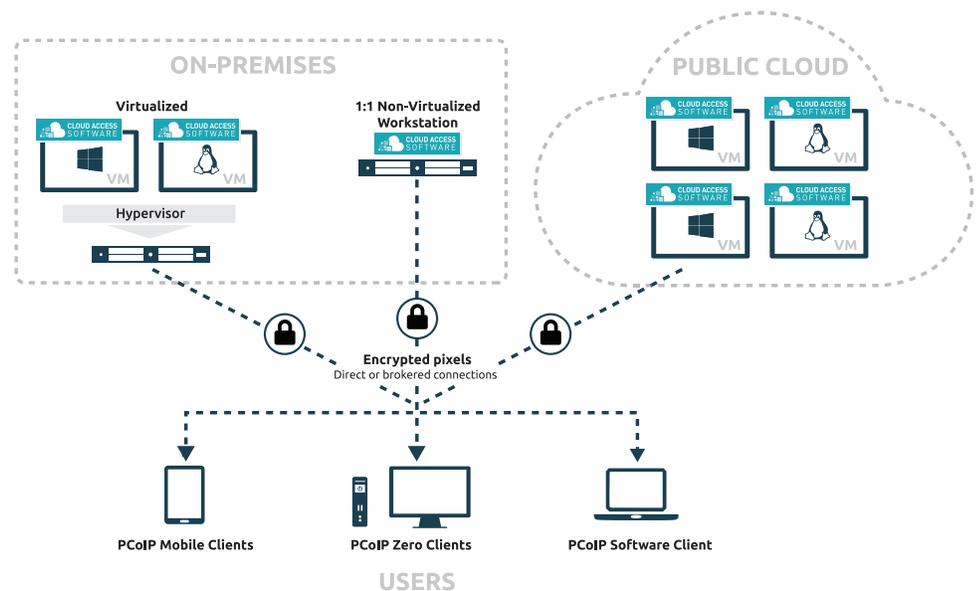
Business Continuity and Disaster Recovery Strategies

The virtualized broadcast studio offers a major advantage over its aging hardwired SDI counterpart – 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.



Stay Compliant with Content Security Best Practices using PCoIP Solutions

Major studios rely on PCoIP technology to achieve security compliance related to content networks. Using Cloud Access Software, media assets are securely isolated in the data center, only accessible from authorized network endpoints as an encrypted stream of pixels. Because media 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.



Case Study:



Producers of Survivor South Africa Attain World-class Production Value with Help from Teradici Cloud Access Software



Unrivalled Remote User Experience for Key Applications

Access your go-to applications such as Avid Media Composer, Adobe Premiere Pro or After Effects, DaVinci Resolve, Editshare EFS 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.



Consolidate Graphics with Storage and Render Farms

Give your creative applications a boost by consolidating your graphics workstations alongside existing cloud storage and render farms. If your broadcasting 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 or orientate your production towards those 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 broadcasting 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 studios, with better security and often offering higher performance than locally installed applications on home computers or laptops.

The Result: Streamlined content production even under the most demanding environments. Television and other broadcast studios are ideally positioned to take advantage of remote workstations for video editing bays, play-out tools, video loggers and even mobile production units. As control rooms are shifting to IP-based workflows decentralized from hardware, remote desktops pave the way for efficiency and flexibility within broadcasting without compromising performance.

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