SOLUTION BRIEF

World's Most Secure Government IT Solution

Secure and control highly-clasified
data access with Teradici PCoIP Solutions

Government organizations worldwide depend on PCoIP remote desktops and workstations for ultra-secure access to data, regardless of isolation or classification requirements.

Whether dealing with sensitive information at national, state or local levels, PCoIP solutions eliminate any need for deskside applications and data, thereby ensuring complete segregation, robust access control, and the highest grade of security. PCoIP solutions minimize infrastructure complexity, reduce costs, and provide a seamless end-user experience — regardless of user device or location.

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Strengthen Security and Isolate Classified Environments

Government organizations rely on Teradici solutions for central computing so that classified data never leaves the cloud or private data center — virtually eliminating endpoint attack surfaces and dramatically increasing protection against eavesdropping or malfeasance. Government security policies generally prescribe that assets be strictly secured according to data classification requirements and mandate strict isolation between select networks. For many years now, PCoIP technology has been widely deployed in demanding environments of various classification levels, including NATO Command, Control Information System (CCIS), and U.S. Federal SIPRNet and NIPRNet networks.

How it works

Built on industry-leading PCoIP technology, Teradici Cloud Access Software enables secure access to virtualized and centralized Windows and Linux desktops and the ability to connect to them from any endpoint device, including ultra-secure PCoIP Zero Clients. PCoIP technology encrypts and transmits "pixels only" across a standard IP network to PCoIP-enabled clients that decode and display those pixels. The encryption module uses AES 256, key features required for government compliance. PCoIP Zero Clients can also be paired with USB security authorization products, a smart card or proximity card system, or other single sign-on devices to meet stringent security requirements.

Virtual machines are installed with Cloud Access Software and deployed in different zones in accordance with classification policies. The PCoIP protocol streams encrypted pixels from each virtual machine to an authenticated endpoint, thereby restricting data in transit to AES-265 encrypted image pixels. Data and applications remain within the secure zones and the endpoints store no application data — rendering them invulnerable to security breaches. Tracking of sensitive data in distributed storage devices is therefore eliminated.

Cloud Access Software with PCoIP Zero Clients supports government clouds, dark site and offline deployments, enabling customers to meet critical security mandates, such as:

- Government-compliant cloud deployments
- 1000BASE-FX fiber endpoint connectivity

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Facilitate Responsive Government

With PCoIP technology, government organizations can respond faster and more easily to the needs of lawmakers, agencies, constituents and citizens while reducing IT infrastructure and operating costs. Improve productivity, flexibility and up-time to support a modern and mobile workforce, while still maintaining secure access to desktops and data from anywhere for offsite needs like military missions and traveling between government sites.

Modernizing your federal workforce?

IT administrators can rest assured that contractors are able to access internal federal systems - by providing them with secure virtual desktops, reducing setup time, and streamlining their onboarding process without compromising secure data. These virtual desktops can be removed after project completion to minimize costs. Virtual desktops and central management enables you to rapidly provision and decommission new desktops.

Disaster strikes?

Cloud Access Software is supported on any public cloud and in private data centers, so you can set up both primary and disaster recovery sites for high-speed recovery and data-loss avoidance. Having a DR plan in place guarantees recovery of files, applications and virtual machines so you have backup and recovery capabilities in place to ensure SLAs are met for your recovery time and recovery point objectives.

Reduce IT Complexity and Costs

Teradici Cloud Access Software is endpoint and cloud agnostic. Deploy your Windows or Linux desktops and applications in any cloud or data center and connect to them from any endpoint device, including any existing hardware. This reduces the cost and complexity of computing systems.

Maintain the highest level of security by combining virtualized desktops together with low cost PCoIP Zero Clients for the lowest cost and most manageable IT systems. PCoIP Zero Clients significantly extend endpoint life span because they have no spinning disks or fans – radically reducing hardware costs and desktop IT support over time. They also draw less power and produce less heat than traditional endpoints – dropping energy costs by as much as half in some deployments. And, you can easily manage all your PCoIP Zero Clients via the Teradici PCoIP Management Console, a single web-based console which provides IT administrators simplified management and configuration of their deployment.

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Secure Access to High-Performance Virtual Workstations

Data scientists, analysts, engineers, and other government personnel often require GPU-intensive applications for data visualization and modeling, flight and vehicle simulation training, geospatial map development, analytics and more.

Cloud Access Software and Teradici Remote Workstation Cards enable scientists and engineers to collaborate securely and efficiently without having to download datasets to local workstations. PCoIP solutions are designed to deliver a high-performance user experience for both knowledge workers and power users requiring even the most graphics-intensive applications. Only the PCoIP protocol can deliver secure and lossless visualization.

Support for Darksite Deployments

Cloud Access Software enables darksite deployments for on-premises, government clouds.

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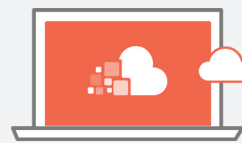
Cloud Access
Deliver Windows or Linux workloads from private data centers, public clouds or any combination of the two. Now includes support, resources, and brokering for PCoIP Remote Workstation Cards.

Cloud Access +
Deliver graphics-intensive Windows or Linux applications from private data centers, public clouds or any combination of the two. Now 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
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