Strengthen security for government environments

Maintain the highest level of data security and workplace flexibility with HP Anyware

Anyware

HP Anyware provides highly adaptable, ultrasecure, PCoIP (PC-over-IP) access through easily provisioned, lightweight endpoints and high-performance virtual workstations.

This helps governments and private contractors be more responsive, productive, and cost-efficient while staying security compliant.

The sensitive nature of government data makes it difficult for federal, state, and local entities, as well as third-party contractors, to deliver the same level of flexibility as the private sector. As a result, governments, agencies, and private contractors worldwide are turning to remote display solutions for secure access.

Centralized computing with remote access endpoints allows all levels of government to gain the efficiencies, protections, and savings that digital workspace solutions provide. By eliminating localized endpoint applications and data, end users can access virtual workstations from almost any device or location.

Replacing traditional desktops with zero clients can help reduce the IT workload—simplifying provisioning and onboarding while eliminating the need for IT to be on-site for troubleshooting and critical tasks like disaster recovery. Departments and agencies can still use the applications they need with an added level of secure remote access.

For private companies with government contracts, such as aerospace engineering firms, virtual workstations remove proximity constraints. Staff can use a wider range of devices while retaining seamless performance, even when working on complex 3D simulations that require zero-latency and ultra-high resolution.

What to look for in a digital workspace solution

Protecting sensitive data in a virtual workstation environment requires ultrasecure file and application access with real-time responsiveness that mimics the experience of working on a local workstation.

When evaluating digital workspace solutions, you should look for one that is inherently secure and seamlessly recreates the workstation experience. It should provide full application capabilities, smooth file creation, and lossless reproduction of text, wireframes, textures, and intricate graphics—regardless of location or network conditions.

PCoIP® remote display technology transfers fully encrypted pixels. Sensitive information never leaves the data center, so no one can tamper with data or infiltrate systems by compromising remote endpoint devices. Traffic encryption is also approved by the U.S. government's National Institute of Standards and Technology (NIST), which enables you to stay compliant with Federal Information Processing Standards (FIPS) and International Traffic in Arms Regulations (ITAR).

HP Anyware delivers accessible, remote access, even in darksite environments, to a wide array of office productivity, data analytics, and 2D and 3D modeling applications, as well as photorealistic rendering, visualization, and testing simulations.

Bell

Aerospace company manufacturing military and commercial helicopters

Problem

Bell struggled to meet the remote access requirements of engineers running multi-terabyte 3D models and simulations, which consume massive amounts of computing power, while also remaining compliant with the strict data security requirements of the U.S. Department of Defense.

Solution

HP Anyware leveraging the PCoIP® remote display protocol

Data center–based rack workstations

Flexible remote access from zero clients or laptops

Result

Engineers are now able to work seamlessly on both zero clients and laptops without lag or image fidelity loss. Image loading is instantaneous, even when rotating 3D models or zooming in to see fine details. Testing has accelerated from several hours to 30 minutes for typical simulations. Data security has also been strengthened, as the pixels traveling over the network are AES-256 encrypted and compliant with the U.S. government's NIST regulations.

Work more securely everywhere with the power of HP Anyware

Here are a few of the benefits HP Anyware can bring to government agencies and contractors

Everyone can work productively from wherever they work

Whether in the building, working off-site, or logging in from home, HP Anyware enables highly secure remote access to applications, files, and data. This means staff can be productive and seamlessly coordinate from almost any location and under varying network conditions.

Hackers don't stand a chance against the power of the pixel

Because no data ever leaves your data center or secured public cloud data store, HP Anyware allows you to stay fully compliant with government security requirements and drastically reduces the risk of a cyberattack. It even enables dark site deployments for on-premises, government clouds.

Simply put, it simplifies IT management

It's easy to deploy HP Anyware on any combination of infrastructure, host environments, endpoint devices, and operating systems. Manage and control workstations from the data center—minimizing the time and resources you spend on OS and software updates and patches. You can also rapidly scale your deployment up or down to meet demand.

Bartholomew County, Indiana

County government spanning 12 townships

Problem

Bartholomew County's local government needed to replace existing IT infrastructure, ease the burden on a small IT staff, and meet a diverse set of requirements that included multiple departmental use cases with a broad range of endpoint needs.

Solution

HP Anyware leveraging the PCoIP® remote display protocol

Virtual desktop infrastructure (VDI)

Zero clients

Result

PCoIP technology delivered rapid, easy change management—even with multivendor hardware—allowing Bartholomew County to reorganize departmental resources and lower hardware expenses by 35%. On-site IT support demands are decreasing as desktop system refreshes are replaced by convenient, auto-configured PCoIP zero client deployments. As a result, IT has become more agile in supporting its large, distributed organization.

Bottom-line protection from the top down

Virtualizing workstations decreases the cost and complexity of your entire IT system. Existing hardware can be used to provide remote access, then replaced with low-cost PCoIP zero clients that radically reduce desktop IT support needs. Zero clients also draw less power and produce less heat than traditional endpoints do, dropping energy costs by as much as half in some deployments. Further control costs by powering resources up and down as needed, so you'll never pay for connections that aren't in use, when connected to public cloud resources.

It's so lightweight, most people forget they're using it at all

HP Anyware provides near-lossless performance while you're using productivity, data analysis, engineering, and design applications. AutoCAD, Microsoft 365, and Ansys Workbench—or any other favorite software tools—run as if they were installed directly on an end user's machine. There's no need to worry about system compatibility because HP Anyware lets users work natively from the workstation system, no matter which OS is running on their desktop, laptop, or tablet.

Embrace the cloud on your terms

The multi-cloud flexibility of HP Anyware supports virtually any mix of on-premises, private, or public cloud environments, Windows, Linux, or macOS virtual workstations, with or without GPUs. This enables cost-effective hybrid deployments that bridge on-premises and public cloud workstations.

About our technology

HP Anyware leverages PCoIP® remote display technology to deliver a high-definition and highly responsive computing experience through the most challenging network conditions.

PCoIP technology was invented in 2004, and although it has been imitated, PCoIP technology continues to reach new heights.

PCoIP® encodes, compresses, encrypts, and transports image pixels from a central server or workstation.

It then decrypts and decompresses the image for users to interact with on any endpoint.

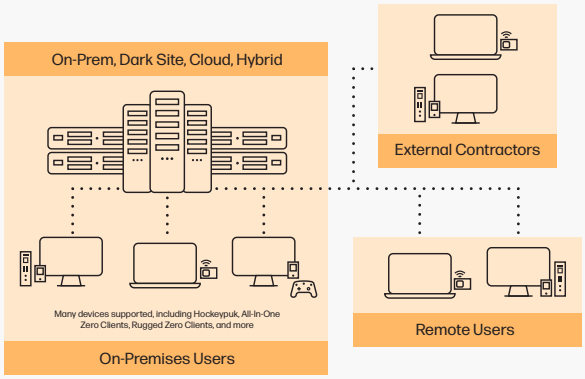
No business information ever leaves your secure cloud, data center, or workstation.

Not all remote display technologies can pass a background check

How HP Anyware PCoIP® delivers a superior experience

If you've ever accessed a digital workspace, you've likely encountered a PCoIP protocol. The PCoIP protocol was originally developed by Teradici—now part of HP—so HP Anyware users get the benefit of licensing the software directly from the people who created it and are best equipped to support it. Built on the same technology that won both Teradici and HP and Engineering Emmy® in 2020, HP Anyware creates a distortion-free, color-accurate experience; expanded multi-codec; and dynamic network adaption that sets it apart from its competitors. PCoIP® remote display technology transfers display information in the form of highly encrypted pixels, so no actual data or information ever leaves your cloud, data center, or workstation. Because classified data and software are secured inside central systems, no one can tamper with or compromise your remote endpoint devices.

PCoIP advanced display compression allows users to remotely access on-premises workstations or virtual machine instances in local data centers or public clouds from a range of devices. While other technologies burden network and system resources, PCoIP® remote display technology offers an ultrasecure working experience that's nearly indistinguishable from being in the office, whether you're 10 or 1,000 miles away.



Virtually...

ANY host environment

ANY endpoint device

ANY operating system

ANY data-security requirements

ANYWARE

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Anyware

HP Anyware requires network access. HP Anyware supports Windows®, Linux®, and MacOS® host environments and Windows, Linux, MacOS, iOS®, Android®, and Chrome OS® end-user devices. For more on the system requirements for installing HP Anyware, refer to the Admin Guides at: https://docs.teradici.com/find/product/cloud-access-software

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