

# Powerful remote-access computing for learning at all levels

Upgrade to a platform that supports a future-ready generation



New teaching and learning technologies like HP Anyware give K-12, higher education, and specialized training institutions the 24/7 remote access, strong security, and simplified management that are essential to enable effective 1:1, in-class, and remote learning that supports a future-ready generation.

Remote display access opens a world of new possibilities in education. The technology that fuels it allows schools, districts, and universities to future-proof their IT infrastructures while greatly reducing initial investment and overall cost of ownership. It's leveling the playing field and expanding opportunities for students at all levels.

Schools can build powerful computer labs that let students work the same way from home as they would if they were sitting at a workstation in the classroom.

The student experience is no longer defined by their hardware in hand. They can easily extend their academic experience to other subject areas on campus all with the same device and HP Anyware. Bandwidth issues are also no longer a barrier, which is especially important for students sharing an internet connection at home.

Students gain access to a wider variety of learning opportunities and are exposed to future careers that they might otherwise never even consider.

They also learn on the same advanced programs that professionals use every day, while gaining knowledge and skills that will help them build a future and accelerate real-world success.





# Finding the right remote display solution for your education needs

Effective learning in a modern educational environment requires real-time, responsive visual interactivity that mimics the experience of working in person on a modern classroom or lab workstation.

When evaluating digital learning solutions, you should look for one that seamlessly recreates the classroom workstation experience with smooth file creation and lossless reproduction of text, wireframes, textures, and intricate graphics for STEAM and multimedia coursework.

Bandwidth should also not affect the students' experience, especially since many are sharing their family's connection and home internet can often be inconsistent.

HP Anyware can deliver accessible, remote access to a wide array of 2D and 3D modeling, CAD design, and audio/video editing platforms, while enabling photorealistic rendering, visualization, and simulated flythroughs.

The PC-over-IP® (PCoIP) protocol helps secure and support student learning at every phase—from instructor demonstration and project design and development to testing and review.



## Vancouver Film School, Canada



### Problem

The pandemic shutdown created an immediate need for a remote learning solution that would not disrupt lesson effectiveness or quality across the 15 different graphics production-oriented programs at Vancouver Film School (VFS) and that would allow students in their final year to graduate on time.



### Solution

HP Anyware leveraging the PCoIP® remote display protocol

Student laptops



### Result

In less than two weeks, VFS was up and running virtually with students and instructors able to access the school's workstations and applications as if they were in the classroom. This included support for the Wacom Cintiq 22HD and Pro 24 devices students use in certain classes. With the return to in-class learning, the solution is now supporting the school's hybrid learning approach, with HP Anyware giving students an additional career start advantage, as they enter the industry already familiar with the same tool the studios are now adopting.

# Educate more effectively everywhere with the power of HP Anyware

## Easily manage secured remote access that drives powerful modern learning



### Extend the learning experience

Learning does not stop outside the classroom. HP Anyware provides students with the freedom to access a desktop and courseware in the lab at school or through their own soft client installed on a personal laptop, PC, or tablet at any time. Even STEAM subjects that require extra computing resources for large datasets or graphics-intensive applications can be virtualized and accessed from almost anywhere and on virtually any device instead of utilizing expensive, hard-to-scale workstations.

### Connectivity that gives students a power boost

HP Anyware dynamically adapts to LAN or WAN network conditions in real time, which makes using audio/video design, 2D and 3D animation, game design, architectural and drafting, flight simulation, and training lab software seamless. It delivers 4K image quality and full-frame-rate 3D graphics across multiple displays, while USB peripherals like Wacom pen tablets integrate effortlessly even over high-latency networks.



### Pearson VUE

Global leader in computer-based training



### Problem

Pearson VUE needed to create further cost and time efficiencies across its existing global network of nearly 20,000 test centers and online testing services offered in more than 180 countries without disrupting delivery of 15 million annual certification and licensure exams.



### Solution

HP Anyware leveraging the PCoIP® remote display protocol integrated into Pearson VUE's Cloud Control Technology

Collaborative assessment of test center networking, bandwidth, firewall, peripheral, and other site-specific requirements

Multiyear deployment engagement supported by a dedicated HP Anyware team of cloud, networking, and remoting experts



### Result

The addition of HP Anyware significantly reduces Pearson VUE's time to market for establishing new test centers and managing the channel. It has also improved operational efficiency in handling the complexity and disparate nature of their globally distributed test center business. Exams and testing applications can also be accessed and updated more efficiently, with some updates now taking 75% less time to complete.





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

HP Anyware sends only encrypted pixels, which means no data ever leaves your district's or institution's data center or secured public cloud data store. This eliminates the need for VPNs and improves the performance of data-intensive education and design software. It protects your courseware and testing materials, the personal data of students and staff, proprietary data generated by research projects, and the financial data of your institution.

## Simply put, it simplifies IT management

It's easy to deploy HP Anyware on virtually any combination of infrastructure, host environments, endpoint devices, and operating systems. A single management interface lets you manage student and teacher access and devices from a centralized data center, eliminating the time and resources spent on OS and software updates and patches. Centralized computing makes the routine management of student labs and courseware significantly easier and allows you to scale up or down easily.

## Create an in-class experience for students not in the classroom

HP Anyware provides near-lossless performance while using applications like AutoCAD, Inventor, Avid Media Composer, and Adobe Creative Cloud—or almost any other software tools—as if they were directly installed. System compatibility also isn't a concern. HP Anyware lets students 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 private/on-premises or public cloud environments, Windows, Linux, or macOS virtual workstations, with or without GPUs. This enables cost-effective hybrid deployments that can bridge on-premises and public cloud workstations. It even controls costs by letting you power resources up and down as needed, so you'll never pay for connections that aren't in use.

## 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 almost any endpoint.

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

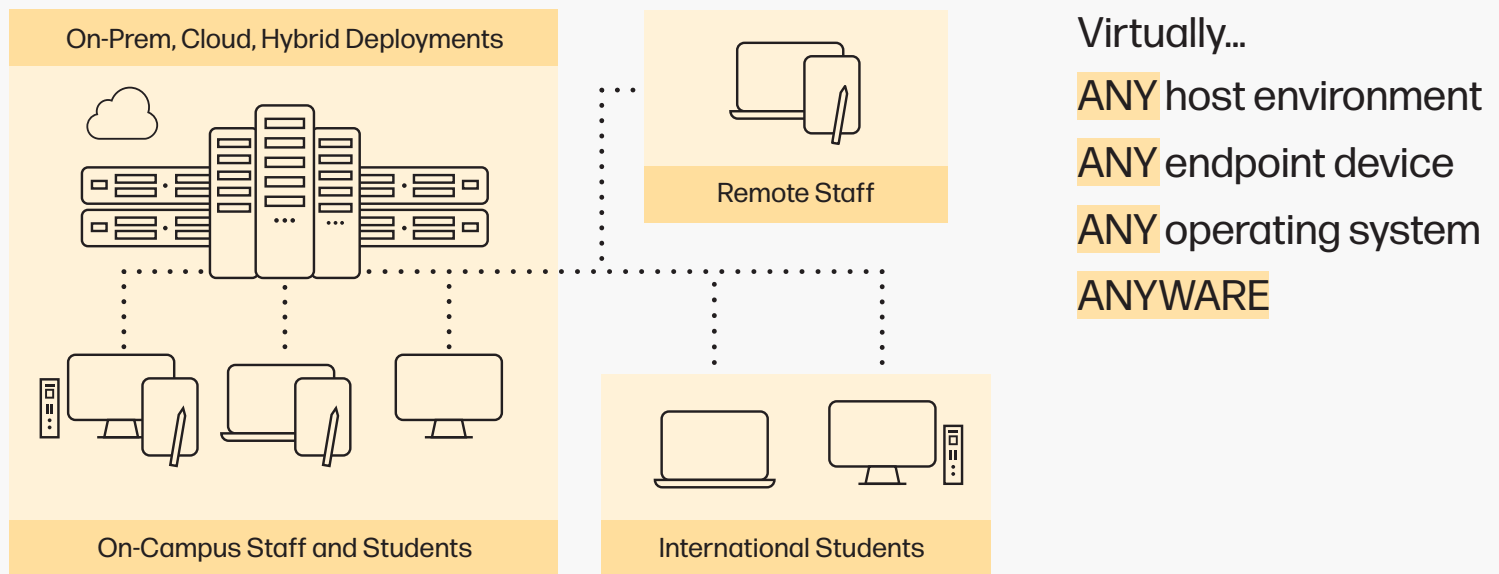


# How PCoIP remote display technology works

## Not all remote display technologies are created equal

If you've ever accessed a remote display, 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 an Engineering Emmy® in 2020, HP Anyware creates a distortion-free, color-accurate experience and expanded multi-codec and dynamic network adaptation that sets it apart from its competitors.

PCoIP advanced display compression allows students 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 a learning experience that's nearly indistinguishable from being in the classroom, whether you're 10 or 1,000 miles away.



LEARN MORE AT [HP.COM/ANYWARE](https://hp.com/anyware)



 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>

© Copyright 2022 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

4AA8-1844ENW, June 2022