PNY | NVIDIA

HYBRID WORK SOLUTIONS FOR FINANCIAL SERVICES

HYBRID WORK CHALLENGES IN FINANCIAL SERVICES

From bankers to brokers, asset managers to traders, professionals in the financial services industry are accustomed to working in highly customized, onsite work environments. But as working remotely becomes a necessity, these professionals find themselves navigating uncharted waters with dispersed teams located at offshoot sites or from home. This creates unprecedented complexity in the day-to-day functions that are vital to the exchange of financial assets and the running of global markets.

With the majority of U.S. companies expecting their workforce to work remotely part time, organizations are turning to a hybrid work model to allow a seamless transition between the office and home. But these flexible working environments come with operational, security, and communication challenges. Traders, for example, who aren't synchronized to receive and send information at the same time as the principal site where their bank's servers sit can face delays in the milliseconds. In the age of high-speed trading, these delays can be costly.

Various technologies can aid in some of these tasks that traditionally required workers to be present at a physical office, such as performing cybersecurity checks and resolving technical issues for customers. So while the industry is adopting virtual desktop infrastructure (VDI) for better data security and management, it needs to consider remote tools on laptops, in the cloud, in servers, and in workstations to enable deep learning, data science, virtualization, and portability for dynamic working environments in these new challenging times.

NVIDIA SOLUTIONS: PERFORMANCE FROM ANYWHERE

NVIDIA's hybrid work solutions such as virtual GPU technology and GPU-powered laptops ensure mobility and performance in a fast-paced environment.

NVIDIA's GPU-powered laptops combine portability with large memory capacity and robust visual computing capabilities to deliver desktop-level performance on the go.These laptops support applications that optimize financial services processes.

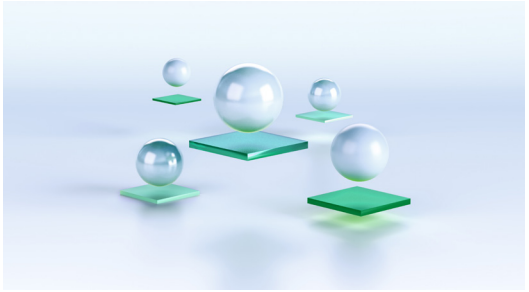
NVIDIA virtual GPU (vGPU) software solutions bring the power of NVIDIA GPUs to virtual desktops, apps, and workstations, accelerating VDI performance, graphics, and compute to make virtualized workspaces accessible to technical professionals Since data is stored securely in the data center, professionals can access workspaces from anywhere, on any device, with a native PC-like experience.

HYBRID WORK WITH NVIDIA: SOLUTIONS OVERVIEW

NVIDIA RTX Virtual Workstation (vWS)

From traders to financial analysts, financial services professionals are often mobile, getting relocated with their systems to work closely with different groups like equity, commodities, or risk income.

NVIDIA RTX vWS provides GPU-accelerated virtual desktops and applications that untether the workforce from physical workstations, providing a native experience on any device. It's also ideal for those who work with large datasets and complex models.

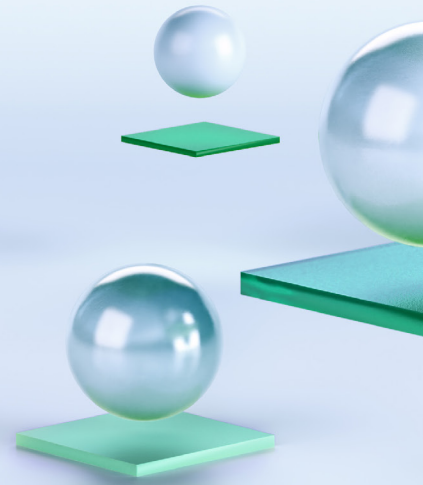


NVIDIA RTX Virtual Workstation (vWS)

NVIDIA RTX Laptops

With powerful visual computing capabilities, large memory capacity, and the latest NVIDIA RTX™ technology—including advanced shading and AI-enhanced tools—these laptops place local, advanced visualization in the hands of analysts.

Powered by NVIDIA RTX, data scientists can use these laptops to download NVIDIA data science software to easily train and deploy AI models.

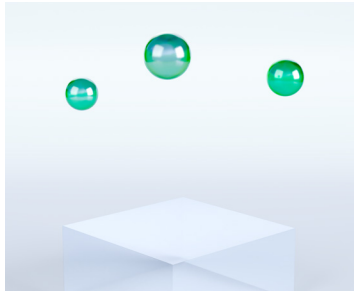


NVIDIA RTX Virtual Workstations (vWS) in the Cloud

Even without access to local compute resources, or with limited access, organizations can still provide users with the resources they need to be productive. Many applications can be accessed from the cloud, and these solutions can be leveraged to provide compute cycles for specific initiatives. For example, data scientists, when running limited or time-bound experiments, can use the cloud to get their work done.
RTX vWS in the cloud also supports the latest RTX-enabled applications with an NVIDIA T4 Tensor Core GPU instance available from many cloud service providers.

NVIDIA Virtual PC (vPC) and Virtual Applications (vApps)

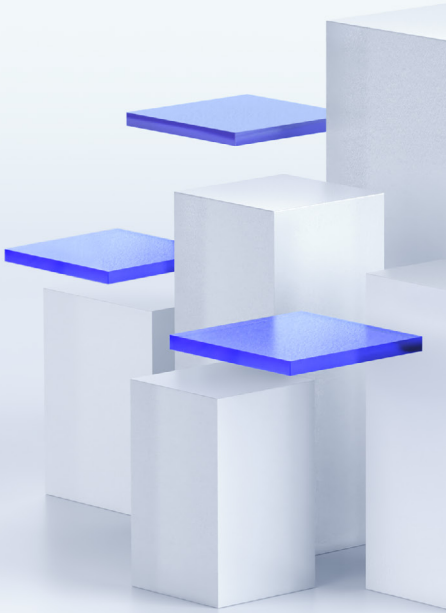
With NVIDIA vPC, professionals can achieve a VDI user experience that's nearly indistinguishable from a native PC. It provides virtualized access to online training, teleconferencing, Zoom, and other graphics-intensive applications and enables users to multi-task across multiple, high-resolution monitors for increased productivity.



NVIDIA RTX Virtual Workstations (vWS) in the Cloud

NVIDIA Virtual PC (vPC)

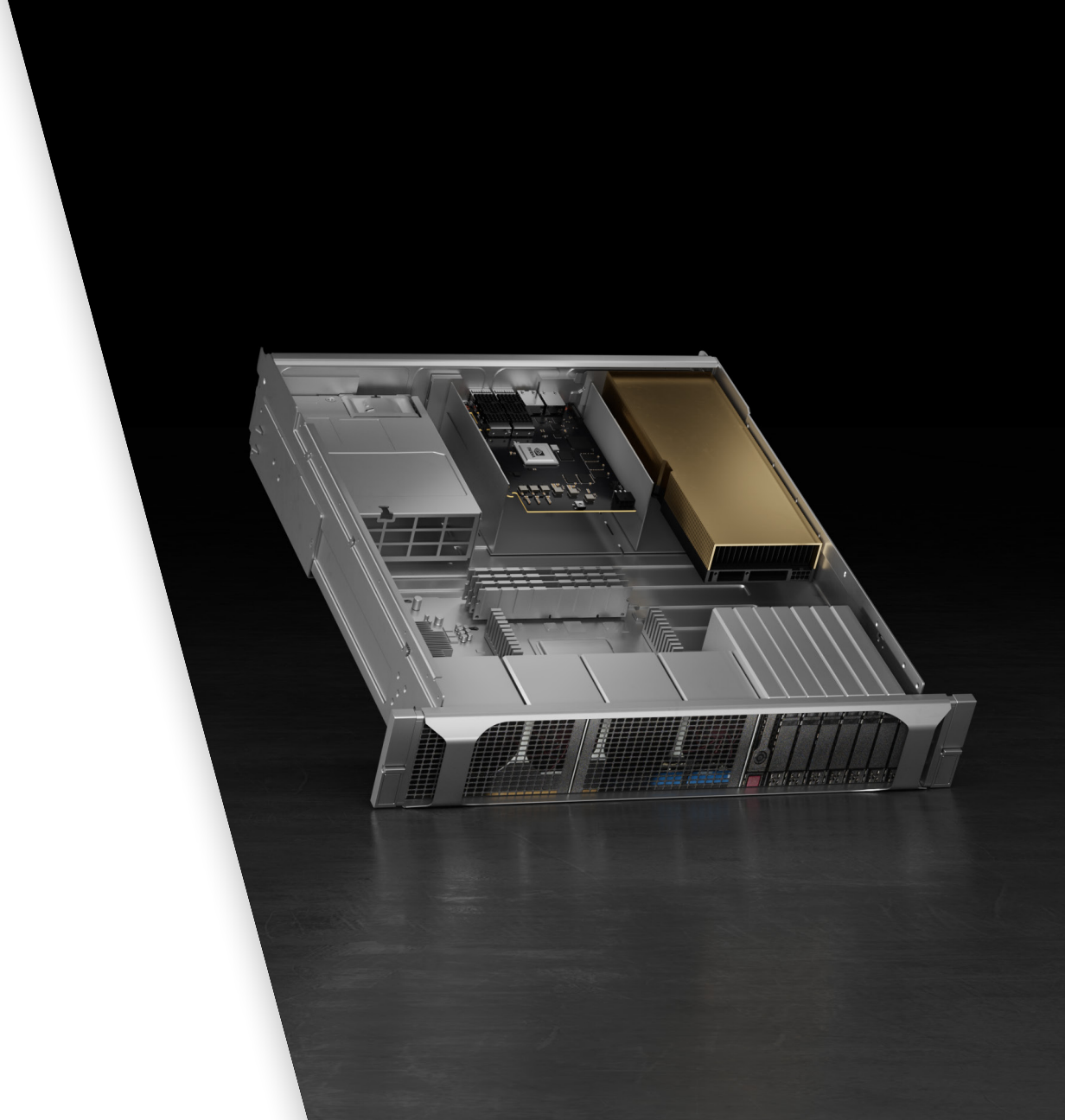
NVIDIA Virtual Applications (vApps)



NVIDIA EGX PLATFORM

With the drive toward hybrid workplaces, the need for virtual desktops to be as powerful as physical desktops is growing. Data centers must now provide the graphics and compute power that professionals need to tackle multiple workloads spanning the enterprise—from research and AI application development to interactive graphics—on virtual workstations.

The NVIDIA EGX platform provides a way for customers to run both traditional and modern applications on a single high-performance, cost-effective, and scalable infrastructure. It brings together compute and graphics acceleration, high-speed secure networking, and enterprise-grade management in the leading enterprise data center servers, built and sold by NVIDIA partners. This platform supports a vast collection of accelerated applications that enables users to become productive immediately.



HYBRID WORK SUCCESS WITH NVIDIA TECHNOLOGY

A Financial Services Corporation Boosted Productivity and Mobility

A multinational financial services corporation based in the Northeast, United States, was experiencing performance issues and lack of mobility on their trading floor, with 300 traders using thin clients with multi-monitor support. With NVIDIA vPC, productivity improved as a result of lower latency and fast access to the latest data and market trends. IT was able to meet their internal cost model with improved density and lower infrastructure costs.

A Hedge Fund Delivered Performance to 50 Traders on the Go

An American hedge fund based in New York needed to ensure remote access for traders in the event of a natural or man-made disaster. Before GPUs, they weren't able to implement VDI properly and get the right level of performance and monitor resolution they needed. After migrating to NVIDIA GPUs with vWS, they saw significant improvements in performance and manageability for more than 50 traders.

Cornerstone Home Lending Enhanced Employees' Virtualization Experience

Cornerstone Home Lending, Inc., based in Houston, Texas, realized that even their core desktop applications were becoming more graphics-intensive and their previous virtualization solution left employees with poor user experiences. With NVIDIA vPC, Cornerstone was able to deliver a low-latency, high-quality user experience—especially for modern business applications like streaming video and social media, which are key to Cornerstone's marketing campaigns.

WORK FROM ANYWHERE WITH NVIDIA

Financial services organizations need to make sure they're up to the task of protecting and elevating their expanding ecosystem of hybrid workers—and their often highly mobile data. To do so, they must have the right solutions to enable hybrid work. NVIDIA solutions transform workflows to liberate users and data from the confines of PCs, workstations, offices, and distance.

Learn more about NVIDIA's hybrid work solutions.

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