

POWERING VIRTUAL ENVIRONMENTS IN EVERY INDUSTRY

Reinvent the workplace with VDI solutions





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Organizations are unlocking key benefits of VDI:

- **Enhanced security**—Keep confidential data secure in the data center or cloud with regular backups
- **Reduced costs**—Speed up the provisioning of new desktops while reducing IT management and support costs
- **Simplified management**—Centralize management, storage, and security to reduce IT complexity
- **Increased productivity**—Rapidly share information across your network, and easily deploy new software and IT updates

NAVIGATING A DYNAMIC WORKPLACE

Today's organizations are undergoing a massive paradigm shift, as workforces face an unprecedented demand for high performance and increased mobility. The sudden influx of remote workers in 2020 coupled with explosive data growth has put tremendous pressure on every industry to remain operational, while adapting to a completely new manner of work. This challenge is urging organizations to uncover faster and more effective ways to operate, share information, and make decisions. However, the global economy continues to be highly volatile, causing businesses to better provision their IT and resources.

Organizations are now trying to implement flexible workspace options that include both on-site and mobile environments, with a phased back-to-office approach. This means enabling employees to continue working and collaborating from multiple locations, and providing secure access to critical applications and data.

These global trends are quickly exceeding the capabilities of traditional infrastructure. Outdated technologies lack the agility, flexibility, and security that is needed to support a geographically dispersed workforce. Organizations must meet a variety of challenges in order to succeed:

- Supporting a growing number of remote workers in multiple locations
- Enabling workers to collaborate productively and securely
- Turning ideas into services, products, or applications faster
- Deploying infrastructure that meets the escalating needs of the business
- Simplifying operational complexity
- Keeping data secure and backed up to meet compliance mandates

To address these issues, organizations are modernizing a new type of infrastructure that helps workers navigate a changing environment. The right technologies will deliver fast, reliable, and cost-effective IT capabilities in any location. Transforming how organizations deploy, manage, and secure their applications and data on a variety of devices is a crucial step to expand the reach of mobile workforces.

TRANSFORMING THROUGH VIRTUALIZATION

Organizations are looking to unleash mobile productivity through virtualization. In virtual environments, organizations can deliver secure and reliable access to applications and data from any location, and quickly scale up or down to meet the needs of their workforces.

Virtual desktop infrastructure (VDI) is the key driver of organization-wide virtualization, offering a streamlined, modern approach to desktop virtualization that helps organizations deliver, protect, and manage critical workplace resources while containing costs. Teams can log on to these virtual workspaces from anywhere, on any preferred device.

HPE and VMware Horizon make virtualization simple and secure:

HPE and VMware Horizon can rapidly transform your IT environment by combining robust HPE systems that are virtualization-ready with VMware technologies. Our end-to-end VDI solutions can be right-sized to accommodate specific worker profiles and mixed workloads they require, for midsize to enterprise-level deployments.

A [well-architected VDI solution](#) can create a digital workspace that eliminates siloed IT and supports organizations as they transform physical, cultural, and technological experiences to become future-ready. These capabilities take performance to new heights by establishing a fast, flexible network that enables uncompromised connectivity and provides business and IT resources on demand.

Many industries are investing in VDI capabilities to drive improvements across their operations and accommodate their unique workloads and requirements.

Healthcare organizations are leveraging virtual environments to ensure 24/7 access to life-saving applications as caregivers and staff move between the operating room, exam room, emergency care, and off-site locations. Virtual technologies allow workers to securely retrieve and share medical data to uncover new efficiencies, improve clinical outcomes, and mitigate risk by removing data from personal devices that can be easily lost, stolen, or tampered with.

Manufacturers are implementing VDI solutions to streamline decision-making and increase collaboration across operating locations, design centers, and distribution centers. Virtual environments help teams collaborate efficiently from wherever they choose to work, to make real-time decisions at each stage of product design and development, distribution, and delivery.

In the financial sector, many organizations are using virtualization to enhance their operations with high-performance applications in addition to higher levels of security. By replacing physical desktops with virtual desktops, organizations can standardize shared workstations and significantly simplify IT infrastructure to drive down operational costs, accelerate workloads, and mitigate the risk of data exposure.

To realize these advantages, organizations are looking to adopt VDI or expand their current VDI deployments. These capabilities are key to optimize workplace operations and support a large mobile workforce. A [new breed of virtual technologies](#) is key to help businesses meet their evolving needs and allow workers to collaborate productively and securely in a diverse environment.

ENHANCING YOUR WORKPLACE WITH VDI SOLUTIONS

Hewlett Packard Enterprise (HPE) and VMware® are transforming workplaces with VDI. Our virtual solutions are expertly engineered and integrated to help organizations increase performance and accessibility from edge to cloud. Together, these purpose-built technologies can modernize the data center and drive productivity in operations around the world.

HPE is committed to delivering comprehensive platforms that are agile and secure to meet the demands of your most complex workloads and user requirements. VDI solutions are built on the [world's most secure industry standard servers](#) from HPE to shield your IT environment from internal and external threats. HPE systems protect and enable virtual environments with a unique silicon root of trust, which puts a digital fingerprint in the silicon and ensures servers will never boot with compromised firmware. In addition to helping you prevent, detect, and recover from security breaches, HPE offers a range of industry-leading platforms to support your VDI deployment. You can select a powerful compute foundation based on your specific needs—including the [HPE ProLiant portfolio](#), [HPE SimpliVity](#), [HPE Synergy](#), [HPE Moonshot](#), and [HPE Edgeline](#). HPE systems are virtualization-ready to rapidly transform your IT environment. These capabilities combined with VMware technologies create an end-to-end solution to dramatically reduce time-to-deployment.

[VMware Horizon®](#) is a modern platform for secure delivery of virtual desktops and applications across the hybrid cloud. VMware Horizon helps IT teams efficiently deploy and scale virtual environments from a single control plane with immediate provisioning, automation, and simplified management of these desktops and applications, whether they reside on-premises or in the cloud. With cloud-first management and breakthrough security features, this technology enhances your VDI deployment by delivering unprecedented speed and scale, all at a lower cost, so you can maximize performance and ensure the best possible employee experience. VMware Horizon replaces physical desktop to transform how you operate by lowering IT complexity as well as the cost of desktop management, while providing workers the performance and functionality of a standalone machine.





VMware Workspace ONE® is an intelligence-driven digital workspace platform that simply and securely delivers and manages any application, on any device by integrating access control, application management, and multi-platform endpoint management. The Unified Catalog capability of Workspace ONE includes integration with VMware Horizon. This enables access to Horizon-based virtual desktops and applications within the same catalog as device native and SaaS applications. Workspace ONE combines identity and mobility management to provide frictionless and secure access to all the applications and data that employees need to work, wherever, whenever, and from whatever device they choose. The platform also empowers workers with tools like support email, notes and tasks, content, and Intranet—all through a single app catalog. Your workforce has personalized workspaces and seamless access to resources on day one, which increases satisfaction and eliminates downtime. Now, you can enable a wide range of applications quickly and securely.

HPE and VMware add an extra level of security to these robust VDI solutions with VMware Zero Trust. Zero Trust is a conditional access control model that requires continuous verification of trust prior to allowing access to applications and data. The technology enables security capabilities across the entire digital workspace, including workers, devices, and network layers. Unlike traditional methods of security, the Zero Trust policy helps you deliver the appropriate level of access by assessing risk and verifying permissions, so you can save time while protecting sensitive information.

Organizations across multiple industries recommend Workspace ONE as their go-to solution.

EASILY DEPLOYING A VIRTUAL ENVIRONMENT

HPE offers professional and advisory services to help organizations at each stage of their VDI deployment. HPE Pointnext Services makes it easy to identify and select the ideal services for your virtual environment. Our experts work with you directly to plan and implement a transformation strategy. Your unique road map will define your specific business and IT requirements, recognize potential problems, and determine the right technologies and services to create your ideal VDI solution. HPE Pointnext Services brings your IT—both on-premises and cloud—together under one team, giving you one place to call for all your needs. We help you manage and eliminate interoperability issues by integrating your deployments with operating systems and critical applications, freeing your IT teams from day-to-day heavy lifting to focus on high-value goals.

HPE Financial Services options are available to ease the adoption of VDI solutions. These offerings include helping you release capital from existing investments, to differing payments, to providing pre-owned technology to relieve capacity strain. HPE Financial Services has a variety of financial and asset lifecycle solutions to support your IT needs today and position your workspaces for long-term success.

Beyond traditional financing and leasing, HPE GreenLake gives you flexibility in how you deploy and consume VDI. Through a consumption-based model, you can choose from monthly or pay-per-use options to avoid costly up-front investments. HPE GreenLake offers VDI as a service (VDIaaS) to equip your organization with the cloud-like experience they demand, paired with the performance, compliance, and control of on-premises IT. VDIaaS can mobilize your workforce quickly and deliver the right environment to boost productivity and enable a seamless virtual experience. Unlike cloud-based VDI, your organization controls the performance resources that are available to remote workers as well as the data location, which is managed by HPE experts. This turnkey solution enables rapid deployment of virtualized desktops backed by extreme agility and heightened data security to support your employees, wherever they choose to work.



Solution overview

Resources

hpe.com/us/en/solutions/desktop-virtualization-vdi.html

hpe.com/us/en/solutions/virtualization.html

hpe.com/us/en/servers/proliant-servers.html

hpe.com/us/en/integrated-systems/simplivity

hpe.com/us/en/integrated-systems/synergy.html

hpe.com/us/en/servers/moonshot.html

hpe.com/us/en/servers/edgeline-systems.html

vmware.com/products/workspace-one.html

vmware.com/products/horizon.html

vmware.com/products/workspace-one/intelligent-hub.html

hpe.com/us/en/services/pointnext.html

hpe.com/us/en/services/financial-services.html

hpe.com/us/en/greenlake/vdi.html

CONCLUSION

HPE and VMware are pioneering the future of work. Together, we are preparing organizations to evolve and succeed in a dynamic global economy. The HPE and VMware Alliance is leading the change by delivering seamless workspaces that overcome the limitations of geographies, legacy technologies, and shifting IT requirements. Our joint solutions enable today's organizations to operate with confidence and the utmost performance in any location.

HPE and VMware have a rich history in the VDI space, which has earned recognition from top research firms and industry publications for their groundbreaking advancements in virtualization. HPE was recognized as a leader in the 2020 IDC MarketScape for worldwide digital workspace services. Additionally, the editors of TechTarget's SearchServerVirtualization.com selected HPE as the winner of the "Best of VMworld® 2020" for the best virtual, cloud infrastructure, and DevOps solutions on the market. VMware was positioned as a leader in three recent IDC vendor assessments for the Unified Endpoint Management (UEM) market—worldwide UEM software, software for ruggedized/IoT deployment, and software for Apple devices.

Wherever you are in your VDI journey, HPE and VMware have the breakthrough solutions and expertise to help you adapt, grow, and lead your industry.

Let us empower your virtual environment.

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vmware.com/partners/work-with-partners/global-partners/hpe.html

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