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## Highlights

- Helps control costs using compute and storage options in the cloud rather than onsite workstations
  - Improves productivity with accelerated access to graphics-intensive files and applications using graphic processing units (GPUs)
  - Protects valuable content in flight and at rest with a security-rich, global cloud infrastructure
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# Virtual desktop infrastructure from IBM Cloud

*Drive productivity with remote access to live files from anywhere*

Across industries—from media and entertainment to manufacturing to architecture, engineering and construction—companies are facing a growing challenge to their productivity: a mobile workforce of power users that need quicker access to increasingly large graphics-intensive files. But the cost of establishing workstations loaded with more compute and graphics power plus software in locations around the world is prohibitive. Rather than bringing the workload to the user, you need to bring the user to the workload.

IBM® Cloud is teaming with NVIDIA and NetApp to deliver an accelerated virtual desktop infrastructure (VDI) that provides cloud-based compute power with best-in-class graphics and storage. Your mobile workforce gains a workstation-like experience on virtually any device—laptops, tablets or mobile phones—with access to their graphics-intensive applications and files, no matter where they are. Our solution facilitates greater productivity by bringing together your distributed workforce through security-rich sharing of the assets they need the most.

## Help control costs by reducing the need for expensive workstations at all locations

With our VDI solution, you can shift from a capital expense (CAPEX) to operating expense (OPEX) model for your infrastructure, while also reducing your total cost of ownership as you become less reliant on desktop workstations and standalone software licenses. Setup is designed to be easy with on-demand access to industry-leading compute services and desktop virtualization—including high-performing SoftLayer bare metal servers and VMware vSphere or Citrix XenDesktop virtualization software. We provide up to 10Gbps private and public network links and unmetered data connections among more than 40 data centers around the world. With services available at hourly or monthly rates and no long-term contracts, you only pay for what you use.



## Improve collaboration and productivity with accelerated access to graphics files

Our bare metal servers can be more quickly configured with high-performance NVIDIA GRID GPUs, which allow multiple users to access and share the graphics processing power of a single GPU. As a result, you can efficiently distribute GPU resources and make graphics acceleration available to a wider range of users on an as-needed basis. With this access, multiple employees can work on, review, edit and approve content from almost wherever they are using standard laptops or mobile devices.

NetApp's block and file storage provide the space and performance demanded by complex graphics workloads. You can choose from Performance or Endurance storage options that span from capacity-driven to high transaction-driven performance levels. You also gain efficiency and enhanced data protection using snap shots and replication to move data among data centers.

## Protect your intellectual property with controlled access

Desktop environments run inside the IBM Cloud data centers, and only encrypted visual output and mouse/keyboard input are sent over the network. This means you can virtually eliminate the need for local copies of files and reduce the risk of content being compromised. Our data centers have been designed from the ground up with security in mind, including physical safeguards;

network security; and system, application and data security. We also apply Intel Trusted Execution Technology (TXT) to our compute services to enhance your security profile.

You have a choice of disaster recovery and continuous data availability options, plus the ability to track account activity down to the serial numbers of your hard drives through the customer portal. And when you are done with your data, we use US Department of Defense standard processes to wipe it from our servers and storage.

## Why IBM?

The virtual desktop infrastructure solution from IBM removes organizational and geographical borders among your workforce with its ability to output graphics-intensive applications, content or video on standard laptops or mobile devices. You gain simplified management and greater control of your IT resources through our customer portal, where you can more quickly configure and scale compute, graphics seats and storage to meet demand. Because our agile cloud architecture is based on standardization and automation, you can configure standardized user profiles that can be used across multiple machines instead of having to build custom images. By modernizing your IT infrastructure with this cloud-based model, you position your workforce to keep up with cyclical needs and respond to immediate demands with minimal effort. All of these advantages can ultimately result in greater productivity and cost effectiveness for your business.

Professionals from across industries can rely on the virtual desktop infrastructure solution from IBM to power their applications.



### Architecture, engineering and construction

- 3DExcite
- Adobe Creative Cloud
- Autodesk/AutoCAD
- Autodesk Maya
- Petrel
- Siemens
- SOLIDWORKS
- Teamcenter



### Media and entertainment

- Adobe Creative Cloud
- Autodesk Entertainment Creation Suite
- Autodesk Flame
- Avid Media Composer



### Manufacturing

- 3D Studio Max
- Aveva Marine
- AutoCAD
- Inventor
- NICE EnginFrame
- V-Ray

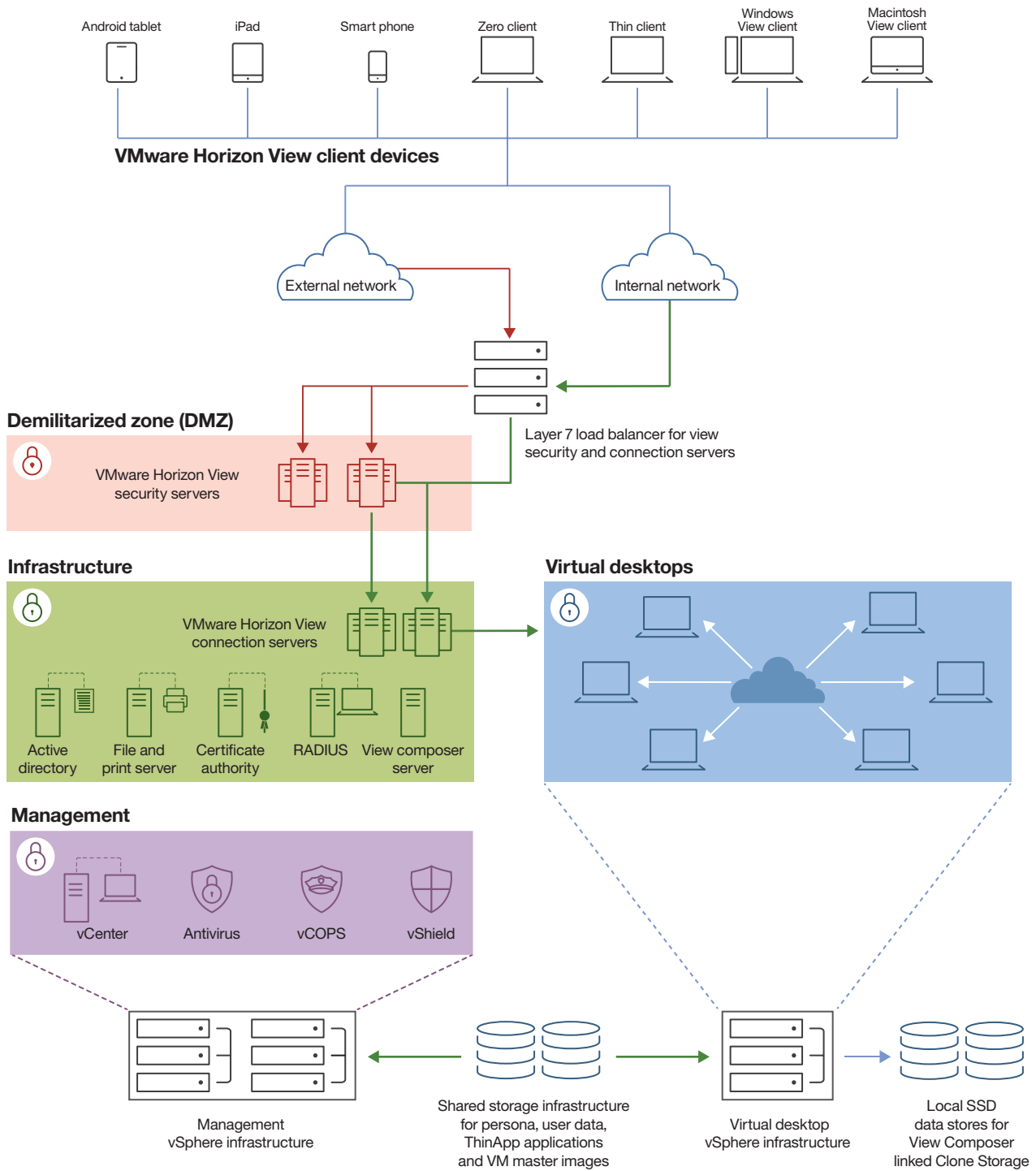


Figure 1: With the virtual desktop infrastructure solution from IBM, data is stored centrally in one of our 46 global data centers and delivered through a security-rich connection as a virtual desktop image of the actual data.

## For more information

To learn more about a virtual desktop infrastructure solution from IBM, please contact your IBM representative, or visit the following website:

[ibm.com/cloud-computing/solutions/virtual-desktop-infrastructure/](http://ibm.com/cloud-computing/solutions/virtual-desktop-infrastructure/)



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