GUIDE

Top 5 Reasons to Think Outside the Traditional VDI Box

Organizations are looking to virtualize desktop deployments for the new age of constantly mobile, and geographically-dispersed users who still require access to enterprise applications and data. The promises of VDI (Virtualized Desktop Infrastructure) have helped thousands of organizations provide secure, remote access to virtual desktops for staff while simplifying IT infrastructure so that desktops can be managed with greater ease and operational efficiency. Across industries and enterprises of all kinds, VDI benefits address opportunities to:

- **Expand revenue** by improving the efficiency of remote workers and enabling talent acquisition regardless of geography
- **Decrease risk** by securing sensitive information in a datacenter, rather than on end user devices
- **Reduce operational costs** by reducing licensing costs and streamlining IT administrative overhead

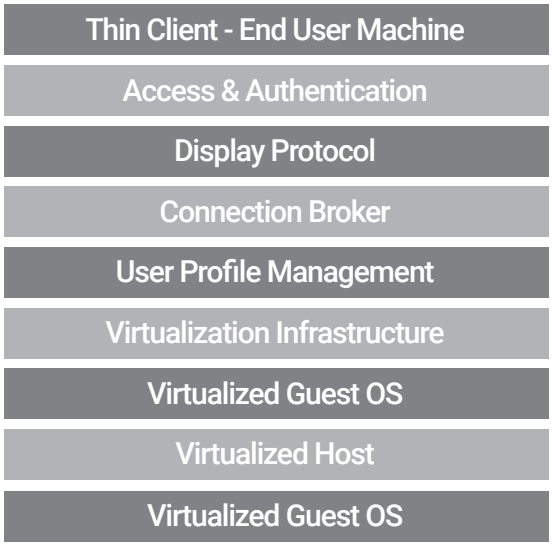
However, traditional VDI is sometimes perceived as complicated, expensive, and not the agile choice for forward-thinking businesses of today. VDI is generally built in an on-premises datacenter and leverages a full-stack of virtualization components. Full-stack refers to a fully-integrated solution which usually includes components such as storage, display protocols, and connection brokers. The problem with a traditional VDI offering stems from the correlation to high licensing costs, typically from a single vendor, as well the limited opportunity to mix and match components.

This guide offers the top five reasons to think outside the traditional VDI box, particularly intended for those who want to explore what is possible by selecting your own key technology stack components, not just the ones that you're locked into with a full-stack solution.

1 Unstack yourself

To think outside of the box, you need to think outside of the stack. Select the components that work best for your specific use case, rather than relying on a one-size-fits-all solution. Use the hardware or components you already have, and choose components that are vendor-agnostic. This allows you to build out a VDI solution that not only harnesses traditional on-premises virtualization, but also cloud and hyperconverged infrastructure. A capable connection broker allows you to use the hosting platform that works best based on what your users need to do and based on their location.

Teradici offers Cloud Access Software for secure, remote access to desktops and applications hosted in the public cloud, on-premises virtualized environments (KVM, ESXi), hyperconverged, or on-premises non-virtualized physical workstations. The flexibility of the software also allows for Windows or Linux hosted desktops, as well as GPU (for graphics-intensive applications) or non-GPU use cases. By making the most of the hardware you already own, and by selecting components based on price, performance, and flexibility, you'll end up with a VDI solution that is both cost effective and custom-tailored to your needs.



2 Improve Disaster Recovery

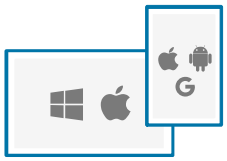
Business continuity is a top priority for CIOs and IT administrators. In a recent 2019 CloudEndure survey, 71% of businesses experienced a downtime event in the past year resulting in loss of revenue and damage to the business. Managing multiple on-premises sites can increase cost and complexity, so a solution using the public cloud as a secondary back-up site means you only pay for resources when you need them. Cloud Access Manager, a brokering and provisioning service included with Cloud Access Software can automatically ensure that virtual machines are turned off when not in use, resulting in significant cost savings.

Additionally, the cloud server licensing available with Cloud Access Software ensures that licenses can be transferred with ease, without businesses having to purchase a secondary set of licenses. If your organization mandates use of a different VDI technology or cloud location as part of a disaster recovery strategy, consider Teradici Cloud Access Software for a cost-effective, highly secure way to connect staff to their computing resources.

3 Support Edge Locations and a Wide Array of Endpoint Options

Woking from the edge refers to any mission critical workload that is performed outside of the corporate data center. The goal is to reduce latency and improve the user experience by moving compute functions out of the corporate headquarters and as close to your users as possible. In contrast to full stack traditional VDI scenarios, modern desktop virtual deployments leverage public cloud datacenters and use the clouds and regions that are closest to users. To connect to hosted virtual machines, there are a variety of endpoint device options available for seamless connectivity including:

PCoIP Zero Clients
are ultra-secure, stateless clients and require little to no maintenance;



PCoIP Software and Mobile clients
can be easily installed on existing hardware including Windows laptops, iOS devices, and tablets' and

Thin client devices
enabled with PCoIP Client Software

4 Adopt a hybrid or multicloud strategy

Teradici recently conducted a survey to nearly 500 IT professionals to gain an understanding of the state of multicloud in 2019 as it relates to virtual desktop deployments. Across vastly different-sized companies from small to enterprise, 54% of respondents already operate in a multicloud environment, whether their desktops are hosted on:

1. multiple public clouds,
2. a combination of on-premises datacenters and public cloud, or
3. off-site private datacenters plus the public cloud.

And even if organizations do not currently have a desktop virtualization strategy, a CloudEndure report found that a staggering 84% of users have a multicloud strategy in place for the future. So with organizations looking for improved collaboration and work-life balance for their employees, in addition to geographically-distributed teams across cities or countries, the ability to keep what's already working in your datacenter, and supplementing this with a desktop expansion in the cloud where it makes the most sense can provide tremendous value. The benefits of the cloud are already known, including:

1. exchanging CAPEX for OPEX,
2. spinning up or tearing down new virtual machines in a snap, and
3. limiting the vectors of attack by hosting data elsewhere.

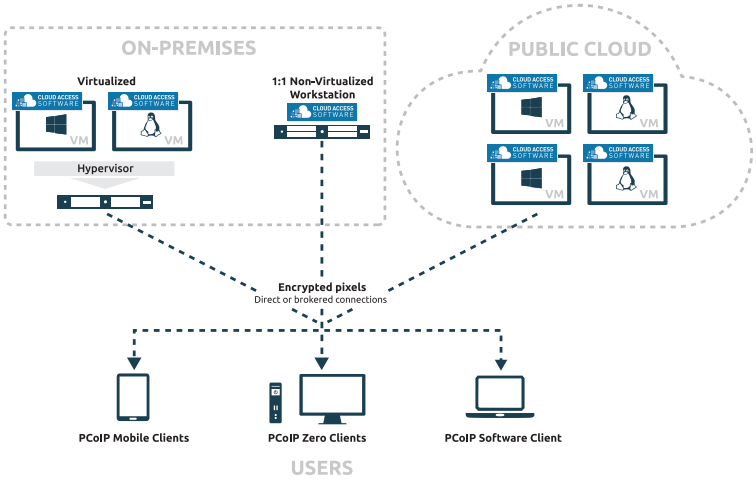
However, a multicloud strategy takes it even further and can help you avoid vendor lock-in by utilizing the best cloud infrastructure to suit your needs. Carefully selected virtual machine specifications, region availability, and the latest GPU availability can improve performance benefits, provide cost savings, disaster recover assurance, and lower latency by taking advantage of certain cloud offers optimized for your groups of users.

5 Save Money

Put the complexity of a full stack VDI solution aside, and instead specify a solution that fits your needs. In a traditional VDI deployment, you are paying high licensing costs for a full feature set, regardless of need. Consider open source technologies, such as Linux operating systems, for further cost savings. With more and more applications migrating to a browser-based solution, Linux is more accessible and cost-friendly for organizations. Utilizing the public cloud for virtual desktop deployments also ensures the optimization of compute resources and allows you to scrutinize your spending and only pay for what you are using in the cloud, rather than paying for large, upfront capital-intensive expenditures. Finally, a multicloud deployment strategy plays a critical role in cost savings by allowing you to use whichever public cloud infrastructure allows for a lower total cost of ownership.

A modern VDI solution

Virtualized computing allows users to have unparalleled access to applications and data with improved security. With Cloud Access Software, securely deliver high-performance desktops to users who require even the most graphics-intensive applications. Built on industry-leading PCoIP® technology, Teradici Cloud Access Software delivers high-performance virtual workstations from the cloud or your data center to the endpoint of your choice. One of the unique security features of PCoIP is that only encrypted pixels are ever transferred from the host desktop environment to the endpoint device, thus ensuring data cannot be compromised during the virtualization delivery. And with PCoIP Ultra feature enhancements, Cloud Access Software now delivers high frame rate 4K/UHD graphics workloads without compromise.



Cloud Access Software deployment scenarios: ultra-secure access to on-premises or public cloud workstations from a broad range of endpoints.

Create virtual environments on AWS, Google Cloud, Microsoft Azure, or your own on-premises infrastructure. With simplified and flexible multicloud support, Cloud Access Software gives you the power to deploy and manage end user desktops from any combination of public clouds or private data centers. Virtual desktops can be accessed via a variety of endpoints, including PCoIP Zero Clients and PCoIP-enabled PCs, iOS/Android devices, Chromebooks, and other tablets.

Learn more about Teradici Cloud Access Software

See how it can benefit your organization and rethink what you know about a traditional full-stack VDI solution.

Start a conversation with Teradici

Book a meeting with a Teradici sales representative

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