NVIDIA vDWS and Teradici
The next-gen virtual workstations solution

Arjen van der Meulen, Director of Product Management, Teradici

VMworld 2019
We revolutionized the computing industry by introducing the low-latency and ultra-secure PCoIP® remote display protocol.

Today, there are more than 13 million global PCoIP endpoints deployed in Public, Private and Hybrid Cloud architectures.

We work with major technology partners to provide our technology and solutions to end users.

Customers include Fortune 500 companies, large government institutions and the largest Public Cloud service providers.
Some of our Technology Partners

- AWS
- Google Cloud
- Microsoft
- NVIDIA
- VMware
- Dell
- HP
- IGEL
- LG
Technology Foundation

- Protocol
- Endpoints
- Software Solutions
What is PCoIP?

PCoIP is a display protocol that securely delivers applications or entire workspaces from the cloud or your data center to any device.
Multi-codec solution that dynamically adapts, encodes and delivers the most accurate and distortion-free experience regardless of network conditions.
To deliver a high performance user experience for knowledge workers and power users that work with even the most graphics-intensive applications
Teradici Cloud Access Software is a high-performance remote desktop solution that enables enterprises to easily deliver Windows and Linux desktops and applications from any combination of public cloud or on-premises data center to any device.

Built on industry-leading PCoIP® technology, it provides the highest user experience and security, and total cloud independence.
Cloud Access Software Supports:

- Up to 4 monitors
- Up to 4K UHD resolution
- Windows or Linux environments
- Low-latency peripheral support
- Flexible licensing options
- Customization
- Standard or Graphics use cases
- Wide endpoint options, including ultra-secure PCoIP Zero Clients
- ESXi, KVM, Acropolis hypervisors
- On-premises, public cloud, hybrid and multicloud environments
PCoIP Ultra™. No Compromise.

Introducing our latest protocol enhancements for market-leading performance
What is PCoIP Ultra™?

PCoIP Ultra protocol enhancements propels our industry-recognized performance into the future of remote computing, with faster, more interactive experience for users of remote workstations working with high-resolution content.

**PCoIP Ultra is available to all Cloud Access Software customers.**

Cloud Access Software will include the following PCoIP Ultra features:

- Support for 4K/UHD high frame rate content
- Efficient scaling across multicore CPUs leveraging AVX2 instruction sets
- Expanded multi-codec architecture
  - Teradici has announced the ability to support third party codecs such as H.264 and HEVC.
  - The first release utilizes NVIDIA Quadro vDWS with GPU acceleration.
  - [NVIDIA Blog](https://blogs.nvidia.com/): Quadro Virtual Workstation Streams from NVIDIA RTX Server
Introducing PCoIP Ultra™ Feature Enhancements

4x Pixel Rate with PCoIP Ultra

PCoIP Ultra™ in
Cloud Access Software
SSE4 Optimized

PCoIP Ultra™ in
Cloud Access Software
AVX2/GPU Optimized

PCoIP Ultra
Faster, more interactive
experience for users of
remote workstations
working with high-
resolution content

www.PCoIPUltra.com

*PCoIP Ultra requires AVX2-capable client and host
Cloud Access Software Enables Migration Path

- Traditional Workstation
- Public Cloud
- Private Datacenter
- PCoIP Remote Workstation Card
- Virtualized or non-virtualized
Cloud Access Software Deployment Scenarios

Ultra-secure access to on-premises or public cloud workstations from a broad range of endpoints

- **Choose Windows or Linux VMs**, graphics or standard.
- **Augment** your existing remote desktop users in about 15 minutes!
- **Transition from the data center**. On-premises, cloud and hybrid deployments are supported.
- **Includes** marketplace convenience, hourly billing options, and more.
- **Cut the complexity**. Let Teradici Cloud Access Manager take care of your provisioning and uptime management.
Simplify your Cloud Access deployments without that onerous infrastructure

- **Secure your deployment** by entitling access to resources according to user role and identity
- **Scale with your business, no minimum licenses** – Align OPEX with business demands by effortlessly scaling resources up or down
- **Manage cloud consumption** and optimized costs by automatically turning off unused workstations
- **A single solution to improve administrative efficiency** and minimize manual tasks by automatically provisioning Linux or Windows remote workstations
- **Broker secure connections** with multi-factor authentication and alleviate any need for users to remember machine names or IP addresses

*Included with Cloud Access subscription plans*

Learn more about Cloud Access Manager
Recap: What does Teradici PCoIP technology bring?

- High performance user experience
- Ultra secure remoting and endpoint architecture
- Ease of deployment & management via a simple and reliable solution
- Widest platform flexibility
LEARN MORE:

PCoIP Ultra:  
[ \texttt{pcoipultra.com} ]

Cloud Access Software:  
[ teradici.com/cloud-access-software ]

NVIDIA QUADRO vDWS:  
[ www.nvidia.com/en-us/design-visualization/quadro-vdws/ ]