

3D Accelerated Desktops Through a Standard Browser

OPEN SOLUTIONS

COMPUTE

STORAGE

NETWORK

► **CLOUD**



Penguin Computing Scyld Cloud Workstation is a unique remote 3D visualization platform that delivers high definition, graphics accelerated, client-less remote desktops through a web browser and minimal network (e.g. 4G wireless broadband). No plug-in or application installation is required by a remote desktop client. Scyld Cloud Workstation supports secure authentication and simultaneous multiple users.

3D acceleration is supported on NVIDIA® GRID™ and Intel® Visual Compute Accelerator platforms. Traditional 2D desktops can be deployed using Scyld Cloud Desktop, a CPU based technology that is designed to deliver large-scale, remote visualization environments for 2D applications.

Built for GPU Accelerated Applications

- Real-time post-processing for LSTC, ANSYS, CD-adapco, and more.
- Complete GUI environment for MATLAB® and other desktop applications.
- Powered by Quadro® 5000 graphics and Tesla® K10 GPGPU.
- Each GPGPU provides 1536 CUDA Cores with 4GB of GDDR5 RAM

Penguin Computing specializes in delivering turn-key High Performance Computing clusters and Data Center systems that include software solutions for cluster and workload management, high performance interconnects, storage systems and a power delivery infrastructure. All components are integrated in rack enclosures, configured for optimal performance by Penguin's HPC experts and ready to use.

Penguin systems are tested for compatibility with all major commercial and freely available Linux distributions and are available with Red Hat Enterprise Linux, SuSE Linux Enterprise Server or CentOS pre-installed.

FOR INFORMATION, PLEASE CONTACT:

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Scyld Cloud Workstation

Key Features

- Browser-based (Chrome, Firefox, IE, Safari)
- No client installation or plug-in needed
- 3D accelerated desktops outperform traditional VDI
- Consolidate workstations into a cloud environment
- Secure, single port, HTTPS connections
- H.264 quality, minimal bandwidth requirements
- Multi-user, collaborative remote desktop sessions
- Class-leading, minimal network requirements

Optimized for Low Network Usage

Scyld Cloud Workstation's optimized compression through NVIDIA® GRID™ and Intel® Visual Compute Accelerator technologies provides a local desktop feel with low bandwidth consumption (< 4Mbps per client). Additionally, users can hand off control, and a QoS algorithm intelligently adjusts the frame rate per client to ensure an optimal experience.

Scyld Cloud Desktop for 2D Applications

Scyld Cloud Desktop provides network optimization of Scyld Cloud Workstation on a CPU-only hardware platform. Through Scyld Cloud Desktop, customers can deploy large scale remote desktop environments using open source or commercial virtual machine platforms for provisioning.

Collaborative Multi-User Mode

Scyld Cloud Workstation enables multi-user collaboration and remote desktop access for up to ten temporary or permanently authorized users. Control can be handed off from one user to another for a truly collaborative workspace.

Secure Remote Desktops

Scyld Cloud Workstation and Scyld Cloud Desktop enable remote servers to display desktops directly into a standard browser through HTTPS. This eliminates the need for a third-party client and the security considerations associated with opening non-standard ports into firewalls.

ACCESS POD: [HTTPS://POD.PENGUINCOMPUTING.COM](https://pod.penguincomputing.com)

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