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NEWS RELEASE

Penguin Computing's Scyld Cloud Workstation Enables Graphics Accelerated, Remote 3D Visualization for Efficient, Client-less Supercomputing

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3D Remote Desktop in the Cloud Provides Convenience, Time Savings and is Available on Penguin Computing on Demand (POD)

New Orleans, LA-SC14-Nov. 18, 2014-Penguin Computing, provider of high performance computing, enterprise data center and cloud solutions, today announced a unique remote 3D visualization capability featuring graphics accelerated, client-less remote supercomputing through a standard Wi-Fi connection and browser, essentially giving customers universal access to their high performance computing needs in the cloud. Scyld Cloud Workstation, powered by NVIDIA GRID™ technology, offers significant time savings by eliminating the need for downloading large data files, and moving pre- and post-processing to the cloud for highly efficient workflow. For example, a manufacturing engineer using a Scyld Cloud Workstation can graphically view analysis without downloading large output results. The ability to run real-time, interactive GUI workflows and 3D visualization in the cloud removes the traditional barrier of moving large files down to on-premises workstations. "Our Scyld Cloud Workstation solves the problem of providing a powerful, remote 3D experience in a seamless way," said Tom Coull, President and CEO, Penguin Computing. "There's no browser plug-in or application installation needed, and the difficulty of security changes is eliminated with secure access provided via HTTPS." While remote visualization has gained momentum by allowing end-user applications to move from the desktop into the data center, customers often face poor performance and high bandwidth requirements. Scyld Cloud Workstation provides accelerated 3D performance from a remote server displayed directly into a standard browser, eliminating the need for a third-party client and potential security breaches associated with opening non-standard ports in a company's firewall. NVIDIA GRID technology enables visually demanding applications from either on-premise or cloud-based virtualized servers to users across an organization. Because graphics processing can now be run on the GPU instead of the CPU, data center managers can provide, for the first time, a graphics-rich PC experience to more users in virtualized

environments. “With NVIDIA GRID technology accelerating the streaming of remote 3D content, Scyld Cloud Workstation delivers a visual computing experience that demanding users require to complete their supercomputing analysis,” said Andrew Cresci, General Manager of the NVIDIA GRID business at NVIDIA. “Output visualization is an important element of high performance computing, and doing this visualization from the data center is the most efficient way to get to an answer quickly.” The software for Scyld Cloud Workstation was developed in partnership with Colorado Code Craft, a software startup specializing in customized remote visualization. “Penguin Computing’s cloud infrastructure is the perfect platform for instant remote visualization, enabling users seamless and hassle-free access to high performance computing resources in the cloud,” said Thomas Ruge, CEO and Founder of Colorado Code Craft. Please visit SC14 booth #1931 for more information.