Press Release

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CloudyCluster on Red Hat Enterprise Linux will be Available in the AWS Marketplace

Self-Service HPC is coming soon with CloudyCluster, built on the power and dependability of Red Hat Enterprise Linux and provided through the simplicity of the AWS Marketplace. CloudyCluster presents a familiar HPC environment for researchers with the elastic capabilities of AWS Cloud.

Las Vegas, NV—re:Invent (PRWEB) Today Omnibond announced the release of CloudyCluster running on Red Hat Enterprise Linux in the AWS Marketplace, establishing a new level of HPC research and discovery available to everyone.

In a move toward democratizing computational science and discovery, Omnibond LLC has released CloudyCluster, a tool providing easy access to High Performance Computing (HPC) resources in the AWS Cloud. Although HPC is traditionally the domain of computer scientists and data center administrators, CloudyCluster gives researchers and other Big Data crunchers direct access to HPC resources, so they can process large data sets and achieve faster results. Running on Red Hat Enterprise Linux, users can spin up clusters from mobile devices with CloudyCluster, paying only for the compute and storage resources used. With CloudyCluster on Red Hat Enterprise Linux, users are free to focus on the work at hand instead of investing time and money establishing and maintaining the required technology. AWS offers a new paradigm of quickly deploying an infrastructure in the cloud, and CloudyCluster simplifies the deployment process. CloudyCluster then makes it easy to pause, reduce and delete this infrastructure as needed.

CloudyCluster is a key player in the expanding frontier of cloud computing, making it easy for anyone to make new discoveries with growing datasets. It provides a simple step-by-step interface for users to set up a self-service HPC environment in their own AWS account, with simple Quick Start configuration options or the ability to create an advanced configuration cluster. Users control the number and type of compute and storage instances, depending on job size and desired time to results. AWS provides a wide range of instance type options and a powerful computing environment, and CloudyCluster makes these resources readily available through a simplified setup. Additional CloudyCluster features include collaborations, shared Google folders and elastic compute groups which adapt to the demands of submitted jobs, all running on the dependable Red Hat Enterprise Linux platform in AWS.

"We welcome Omnibond's HPC and big data clusters in the AWS Marketplace on Red Hat Enterprise Linux where we jointly test, deliver, and support enterprise-caliber products on Red Hat software in the cloud," said Mike Werner, Senior Director, Global Technology Partner Programs, Red Hat. "We look

forward to continued collaboration with Omnibond as part of the Red Hat Connect for Technology Partners program."

"CloudyCluster is an exciting tool that opens a new world of HPC possibilities to everyone, even people who had no prior access to HPC," said Boyd Wilson, Omnibond CEO. "Users can focus on their research and discovery and pay only for the resources they use."

Clusters created with CloudyCluster have access to a range of preinstalled common HPC software, including many open source tools. AWS account holders can run multiple clusters simultaneously and get fast results for computing problems requiring large numbers of CPU cores, even for short periods of time. AWS Cloud also provides fast, reliable access to various types of data storage, and CloudyCluster provides a simple means for cluster owners to invite collaborators and control their level of access, supporting collaboration among geographically distributed teams. CloudyCluster also offers the option to set up WebSSH capability, making access readily available from mobile devices.

CloudyCluster helps research and academic organizations, government agencies and commercial HPC users get easy access to grid and cluster computing resources and reduce time to results, paying only for the time used. CloudyCluster permits users to create flexible resources on demand, for as long as needed. With Red Hat Enterprise Linux and AWS Cloud, CloudyCluster helps organizations and individuals quickly and easily use increasing datasets to make new discoveries, gain new understanding and create more dependable and effective products. For more information, visit CloudyCluster.com.

About Omnibond: Omnibond is a technology development company, experienced in merging synergies from the research, open source, and business communities. We currently are focused on software engineering and support for CloudyCluster: Self Service HPC in the Cloud, OrangeFS: High Performance Parallel Virtual File System, TrafficVision: video analytics for the transportation industry and NetIQ Identity/Access Management Drivers. For more information visit Omnibond.com.

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