HPC Cloud On-Demand Data Center
Pure Cloud Installation

Run HPC Applications from anywhere

Computation-intensive analysis and simulation can now be performed from any geographic location on a pay-as-you-go basis. When the HPC Cloud On-Demand Data Center solution is used in a cloud-only implementation, there is not any requirement for on-site infrastructure. The user can run applications via a web interface using a laptop or any device connecting to the internet.

Customize cloud infrastructure to match the specific requirements of your workload. Select instance types, memory size, operating systems, network, and storage prior to running your applications. Accelerate visualization of complex data models and structures using specialized resources such as NVIDIA GPUs. Deploy and scale up heterogenous clusters and specialized infrastructure when you need it from wherever you are.

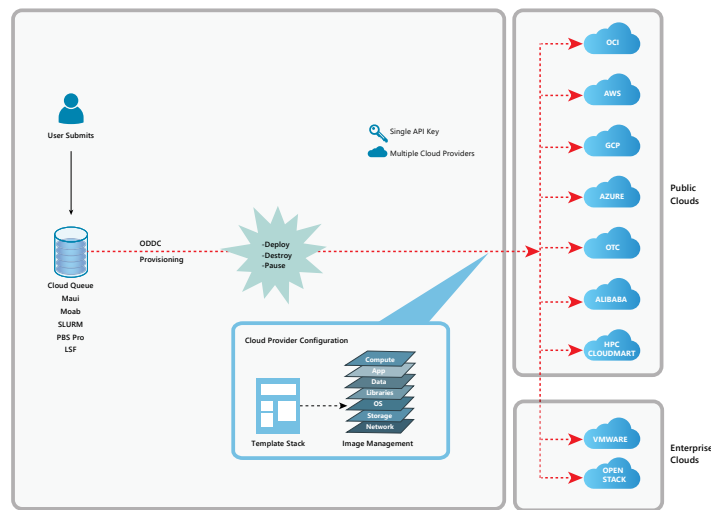## No Job Scheduler is Required

The Pure Cloud Installation does not require an HPC scheduler since Adaptive's own open source scheduler Maui is already included with ODDC. However, the HPC Cloud On-Demand Data Center pure cloud installation supports all other HPC job schedulers such as Moab, SLURM, PBS Pro, and LSF.

Use Cases For HPC Pure Cloud

HPC is becoming relevant to a broad range of mainstream businesses that can now access advanced computing without building and maintaining their own HPC Data Centers. ODDC opens access to artificial intelligence, machine learning, analytics, and scientific workflows for any individual or organization.

Run multiple application types and compute-intensive workflows in the Cloud such as Machine Learning, Deep Neural Networks (NN), AI, Data Analytics, CAE, EDA, VFX Rendering, Reservoir Simulations, etc. While your models and simulations may run on one Cloud Service Provider initially, the HPC Cloud On-Demand Data Center solution is easily expandable to a multi-cloud environment.

With the HPC Cloud On-Demand Data Center your organization can access specialized HPC capabilities, when you need them, on-demand, from anywhere in the world, deployed within 5 minutes.

HPC Cloud ODDC Pure Cloud Installation supporting any HPC workload scheduler

About Adaptive Computing

Adaptive Computing is a global software company headquartered in Naples, Florida, USA that has provided advanced applications and tools to the world's largest High-Performance Computing installations for over 2 decades. We have a rock-solid industry reputation in HPC Workload Scheduling and Cloud Management Solutions and continue to solve IT management challenges in scale-intensive and complex environments worldwide. Adaptive Computing works with large commercial enterprises, government labs, and academic institutions. Some of the world's largest clusters, grids, and data centers use our Moab HPC Suite to maximize performance and value, simplify management, and create a competitive advantage. Our mission is to help organizations to enhance performance, improve efficiency and reduce costs.

Headquarters: 1100 5th Ave South, Suite 201, Naples, FL, 34102   Phone: +1 239-330-6093

www.adaptivecomputing.com

Contact Us