

Features:

- Supports AWS, Azure, Google Cloud, Oracle Cloud, and Open Telekom Cloud out of the box from a common provider API; supports public clouds of any size, as well as private cloud infrastructures
- Comprehensive management across the following environments:
 - Virtualized
 - Private Cloud
 - Public Cloud
 - Containers
- Move across clouds easily and switch between them with a click
- Automated deployment and release of nodes
- Run workloads anywhere—in your data center, and/or in the cloud, on bare metal, VMs, containers, etc.
- Enhanced file management and job output
- Credentials management; admins can set up user accounts to control costs and security
- Works with any job scheduler or without a workload scheduler
- New cloud bursting configurations that bring the fastest time to results at the lowest possible cost
- Heterogeneous clusters
- Run jobs spontaneously; run any workload or application on-demand in the cloud

Overview

NODUS Cloud OS™ is an operating system for the cloud. Just like an operating system is an abstraction layer for a hardware platform, NODUS Cloud OS is an abstraction layer for a cloud platform. This highly flexible and intelligent cloud management technology enables seamless access to all compute resources, whether on-premise or in the cloud on any cloud provider.

Deploying cloud-hosted resources on any of the leading cloud providers becomes much easier than going directly through a cloud provider console because access is preconfigured and built into the GUI (and CLI) of NODUS Cloud OS. This simplified accessibility eliminates the complexities of running workloads and/or applications in the cloud. AWS, Google Cloud, Oracle Cloud, Azure, and Open Telekom Cloud are available through one single interface. Run jobs on any cloud provider or switch between them.

Organizations developing in-house cloud access systems often run into multiple limitations and setbacks. NODUS Cloud OS is uniquely valuable in that it provides an easy avenue for cloud adoption and requires no cloud expertise to use. Cloud resources can be intelligently managed, and automated so that they can be used effectively and efficiently.

NODUS Cloud OS can effectively expand the capacity of any data center, reducing the costs of allocating temporary resources or making additional hardware purchases.

Achieve a True Hybrid-Cloud Experience

Automatically deploy and build clusters on any major cloud provider, automatically run workloads on those clusters in the cloud, and then destroy the clusters, assuring you only pay for what you use.

Using this enterprise grade solution, companies can achieve a true 'hybrid cloud' experience and expand their on-premise HPC resources by 'bursting' their workload backlog to the cloud, eliminating long wait times in job queues and providing a better end-user experience. Studies have shown a 65% reduction in workload time-to-complete using NODUS Cloud OS. It is also ideal for compute demanding use cases requiring specialized hardware such as GPUs and larger instance sizes than are available on-premise. Users can match application compute requirements with cloud compute hardware.

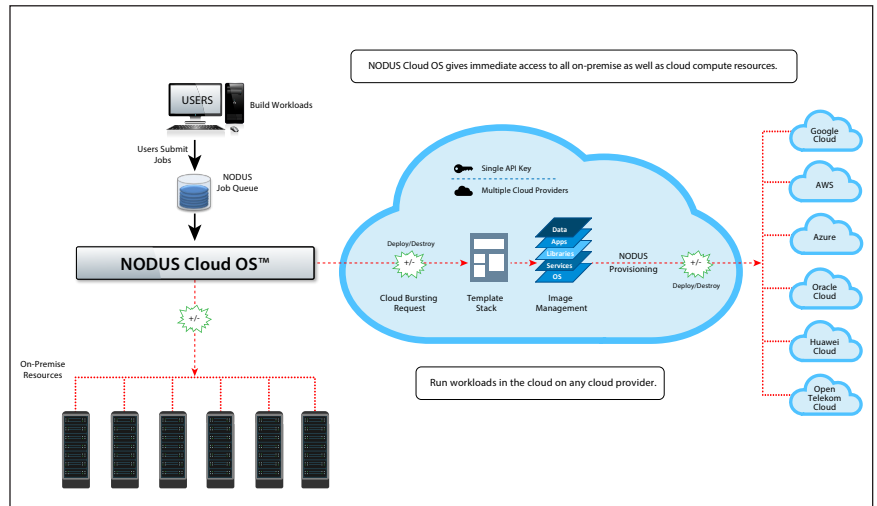
NODUS Cloud OS™

For Intelligent Cloud Management

(cont'd)

Benefits:

- Spin up an unlimited number of nodes in the same time as it would take to spin up one
- Accelerate time-to-results
- Prevent cloud vendor lock-in
- Intelligently manage cloud resources so that they can be used cost-effectively and efficiently
- Scalability or the immediate availability of resources; instantly launch or scale-up infrastructure
- Drastically improve the performance of certain workloads without having to justify the purchase of fixed resources for those special needs
- Ease of use for admins
- Seamlessly spin up and spin down on-premise and cloud resources for a hyper-efficient and agile infrastructure strategy
- Completely automated shut down cloud nodes when not in use, controlling cloud costs
- Run hundreds of simulations with on-demand agility and flexibility
- Move your expenditures from CapEx to OpEx



NODUS Cloud OS ([download diagram here](#))

Make Legacy Applications Portable

As modern businesses adapt and prepare for tomorrow's challenges, making applications portable is a competitive advantage. Moving legacy applications to a modern cloud infrastructure allows companies to maintain existing enterprise applications that run the business. Cloud integration features within NODUS Cloud OS help organizations gracefully migrate workloads without disrupting mission-critical operations.

NODUS Cloud OS can deliver your applications to the cloud, to on-premise resources or to remote locations. Make applications completely portable between on-premise and cloud infrastructures as well as from one cloud to another.



NODUS Cloud OS Interface

NODUS Cloud OS smoothly runs applications in public clouds, without the application owner requiring any knowledge of the cloud itself.

[FREE DEMO/EVALUATION](#)

Corporate Headquarters

1100 5th Avenue South, Suite 201
Naples, FL 34102

info@adaptivecomputing.com

+1 (239) 330-6093

[Contact a solutions advisor by phone or email,](#)
[or visit our web site today.](#)

www.adaptivecomputing.com

