

NODUS Data Grid

The Challenge of Moving Data

Today, more than ever, companies need to move larger and larger amounts of data. Many critical business events trigger the need for data migration. However, the typical “lift and shift” approach to moving data results in a considerable amount of time and resource allocation.

Data Migration Simplified with NODUS Data Grid

NODUS Data Grid seamlessly moves data to and from any location, including private, public, and hybrid clouds, in a manner and speed that is superior to other methods. NODUS Data Grid supports all major cloud providers.

NODUS Data Grid adapts to your unique transfer requirements, efficiently moving your data from point A to point B or across multiple end points quickly and securely.

NODUS Data Grid with Cloud Bursting

When combined with Cloud Bursting, NODUS Data Grid moves the data with the job. As NODUS spins up nodes in the cloud, the on-premise data starts streaming to the cloud. When the nodes are spun up and the data is completely transferred, it exists in two places, on-premise and in the cloud. When NODUS de-provisions the nodes, the data gets de-provisioned from the cloud. Data that gets updated on-premise automatically gets updated in the cloud.

When entering the stack configuration information about the workload to be run, just check a box on the NODUS UI and fill in the location/ID of the data file to be moved to the cloud. After NODUS spins up the head node on the chosen cloud provider, the data starts being moved to the cloud as NODUS simultaneously spins up the requested number of nodes.

NODUS transfers data to the cloud at maximum pipe speed and concurrently propagates the data to every node in the cloud at the same time. When the upload is completed, the propagation to an unlimited number of nodes is complete.

Upon completion of the workload, the data can be moved again to any other location, either in the cloud or back to where it was previously located, or elsewhere.

NODUS Data Grid Automates the Movement of Data:

- Any amount of data, large or small
- Geographically distributed data
- Transfers data back and forth from any location to any other location (e.g. on-premise to the cloud, from other locations to the cloud, or on-premise to another on-premise location).
- Operates in Enterprise Systems or with HPC ecosystems

Cloud Migration Features:

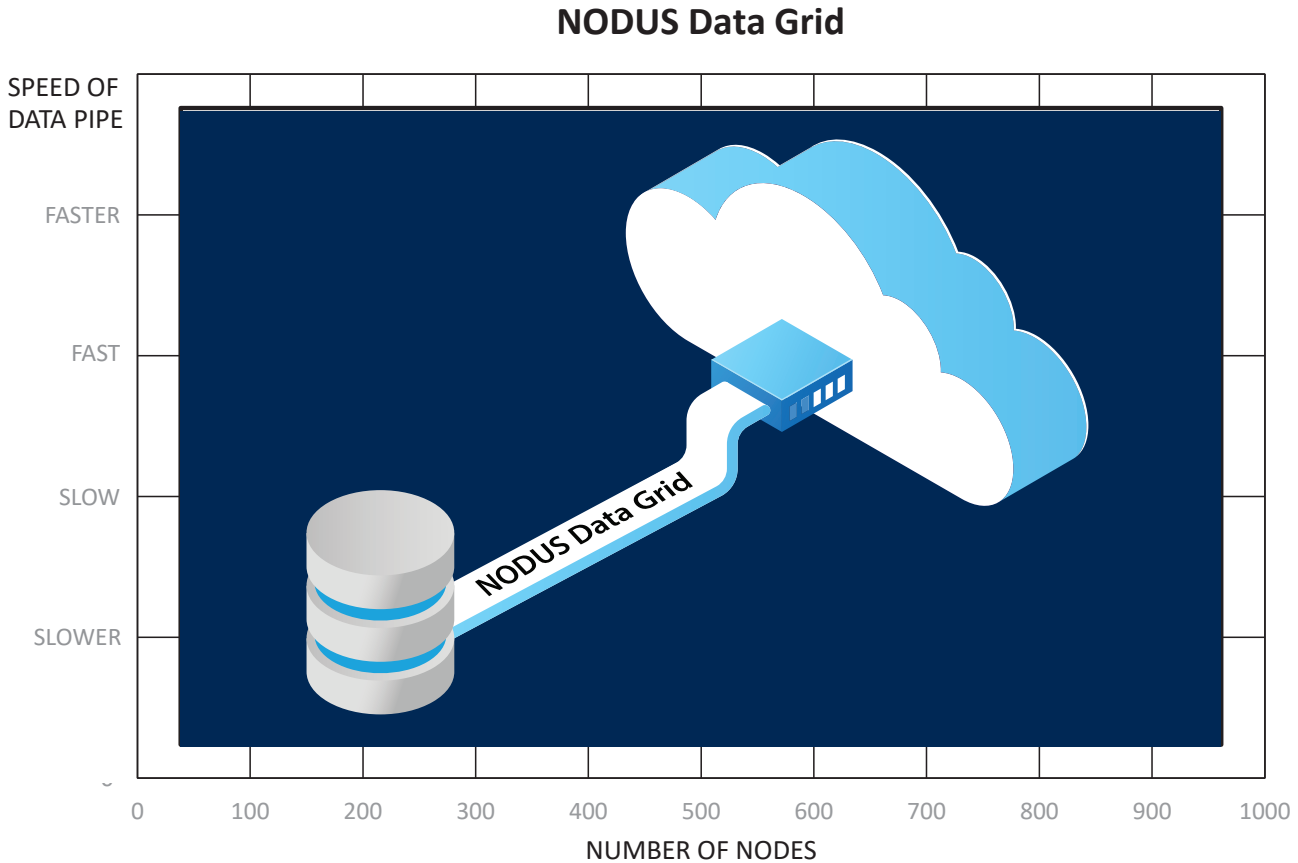
- When a job provisions in the cloud, the data can stay in the cloud, be brought back on-premise, or be destroyed automatically when the job completes
- Ideal for Cloud Bursting jobs or moving workloads with large amounts of data
- Transfers large amounts of data for not only Cloud Bursting but all provisioning to the cloud
- All encrypted, solves the security issue for large amounts of data being moved

NODUS Data Grid is the ultimate solution for massively parallel jobs.

NODUS Data Grid maximizes the bandwidth you are using, imposes no bandwidth restrictions, regardless of bandwidth speed.

NODUS Data Grid is powerful, clean, and simple to use. It makes moving data as easy as sharing a document.

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