

Database Modernization

Database Migration - Lift & Shift/Reshape

BENEFITS

- Migrate database workloads to Nutanix using Move or Storage vMotion with best practices applied
- Accelerate managing databases on a Nutanix platform
- Lower database migration risks with migrations tailored to your specific requirements
- Take advantage of comprehensive project documentation and a robust knowledge transfer session

OVERVIEW

The Database Migration - Lift & Shift/Reshape service focuses on collaborating with customers to migrate small- to medium-sized standalone database workloads (with no latency sensitivity) to Nutanix Enterprise Cloud platform using Nutanix's Move software or Storage vMotion.

A Nutanix Architect performs a Discovery Workshop to assess the feasibility of migrating databases using *lift-and-shift* or *lift-and-reshape* approaches. The lift-and-shift operation leverages Nutanix Move to migrate database server VMs as is while the lift-and-reshape operation requires the expertise of a Nutanix consultant to apply best practices while migrating.



SERVICE SCOPE

The Database Migration - Lift & Shift/Reshape service includes migrating database server VMs using either a lift-and-shift or lift-and-reshape operation.

This fixed-outcome service is acquired in 'packs' of database VMs of up to 2 TB in size. For each acquired pack, a Nutanix consultant migrates database VMs of up to 2 TB in a single contiguous migration wave. Multiple packs must be acquired to accommodate larger quantities of database VM workloads and associated database migrations.

Migration service:

The Database Migration - Lift & Shift/Reshape service is scoped for 5 days and employs the following approach:

- Deploy Nutanix Move and configure the current infrastructure as required for the migration process or use VMware Storage vMotion
- Conduct a Database Discovery Workshop to collect and review the list of database server VMs and to determine if they qualify for migration with Nutanix Move or VMware Storage vMotion
- Identify the best migration method for each database server VM: lift-and-shift or lift-and-reshape

PREREQUISITES

- Guest VMs must be running in a virtualized environment over a hypervisor version fully supported by Nutanix Move or VMware Storage vMotion
- Large database VMs not to exceed 500 GB for MS SQL and one TB for Oracle VMs
- Guest OS to be fully supported by Nutanix Move/VMware vSphere and by destination hypervisor
- Standalone database VM migration only supported. Clustered databases such as Oracle RAC, MS SQL AAG and FCI are not supported.

DELIVERABLES

- Database Discovery Workshop
- Migration of database VMs using Nutanix Move or VMware Storage vMotion
- Final Migration Report, including applied best practices for lift-and-reshape migrations
- Knowledge transfer (up to 2 hours)

- Apply Nutanix Best Practices for those database VMs to be migrated by a lift-and-reshape operation. In such a case, a reshape may include:
 - Add local virtual disks and data files
 - Reconfigure databases to use multiple data files
 - Split databases across data files for better performance
- Validate and verify that the databases VMs have been migrated
- Generate a Migration Report that includes all database VMs migrated as well as the details of the migration

'Pack' of database VMs includes:

- Oracle: Migrate database VMs of up to 2 TB in size or up to 5 databases total, whichever is less
- MS-SQL: Migrate database VMs of up to 2 TB in size, 10 instances or up to 40 databases, whichever is less

Add-on 'pack' of database VMs includes:

- Additional packs include database VMs of up to 2 TB in size and scoped to a 4-day service

Note: Application validation to be performed by customer after migration is completed and validated

Note: Performance tuning is out of scope

TASKS

MILESTONE	DURATION
Database migration using lift and shift/reshape	up to 5 days

TERMS AND CONDITIONS

This document contains the entire scope of the service offer. Anything not explicitly included above is out of scope. This service offer is subject to the Nutanix Services General Terms and Conditions that can be viewed at <https://www.nutanix.com/support-services/consulting-services/terms-and-conditions>



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