

# Virtual Machine Migration Planning

Product Code: CNS-INF-A-WRK-MIG-VMS-SD

## At-a-Glance

Stage: Migrate

The Virtual Machine Migration Planning engagement provides a structured and comprehensive approach to preparing for the migration of virtual machines to Nutanix Cloud Infrastructure (NCI) or Nutanix Cloud Clusters (NC2). As a key step in the Migrate stage of the hybrid multicloud journey, this engagement delivers the clarity, tooling decisions, and planning rigor needed for a predictable and well-governed migration.

This engagement focuses on:

- Assessing source environments, workloads, dependencies, and technical constraints
- Validating operating system (OS) support, network considerations, and application requirements
- Reviewing and selecting the appropriate migration tooling based on environment and scale
- Defining migration waves, rollback planning, validation requirements, and post-migration testing

This service is ideal for organizations preparing to migrate workloads from existing virtualized or physical environments into NCI, ensuring a well-designed, low-risk, and fully validated migration approach.

## Related Services

- Virtual Machine Migration
- Physical-to-Virtual Conversion
- Database Migration Planning
- EUC Migration Planning

## Service Scope

The Virtual Machine Migration Planning engagement begins with a discovery-driven session led by experienced Nutanix consultants who bring deep technical expertise and practical migration experience. These collaborative sessions accelerate planning efforts and remove uncertainty from your migration strategy.

By the conclusion of the engagement, customer teams receive a comprehensive migration workbook, a complete migration plan, and a test plan—providing a validated and actionable roadmap for executing a successful migration to NCI or NC2.

The service includes the following activities:

- Conduct a virtual machine migration discovery session:
  - Gather and document migration requirements, constraints, assumptions, dependencies, and decisions for the migration effort
  - Assess the current state of systems to be migrated
- Conduct virtual machine migration planning session:

- Review options for migrating existing virtual and physical machines to the planned Nutanix Cloud Platform (NCP)
- Assess network configuration impacts and requirements
- Select a migration tool
- Develop a migration plan and process, rollback plans, and migration wave(s)
- Develop a post-migration validation plan

## Project Management

Nutanix Project Management (PM) oversees Nutanix resources and aligns execution with your goals, scope, and timelines.

Core project management activities may include the following:

- Serve as a single point of contact for all project communication
- End-to-end Nutanix resource management
- Coordinate change window(s) and implementation schedules with customer
- Track and facilitate readiness and prerequisite completion
- Conduct project kickoff/technical readiness meeting(s)
- Integrate customer resources into the high-level project timeline
- Send status update(s)
- Manage timeline(s)
- Deliver created artifacts to the customer
- Facilitate project closeout activities

## Limitations

- For each quantity purchased, migration planning is limited based upon the edition.

Edition	Planning Limitation
Extra Small	50 VMs
Small	100 VMs
Medium	250 VMs
Large	500 VMs
Extra Large	1000 VMs

**Note:** A custom statement of work (SOW) is required for more than 1,000 VMs.

- Excludes planning for database and end user compute (EUC) migrations

**Note:** If planning to migrate databases, see the Database Migration Planning or the EUC Migration Planning, respectively.

## Project Management

- Excludes scheduling customer resources and activities
- Excludes detailed project plan (schedule) development and management
- Excludes responsibility for creating, managing, or delivering change management communications

## Supported Hypervisors

- Nutanix AHV
- VMware ESXi

## Prerequisites

- Operating systems are supported by both NCI and the selected migration tool

**Note:** For information on the supported guest operating systems, see *Nutanix Compatibility and Interoperability Matrix* on the Nutanix Support Portal.

## Required Product Licenses

- None

## Delivered Artifacts

Delivered Artifact	Description
Migration Workbook	Captures detailed migration inputs and decisions gathered during migration planning activities, including source environments, workloads, dependencies, sequencing, and assumptions. The workbook serves as a working reference to support accurate planning and execution of the migration.
Migration Plan	Defines the end-to-end approach for migrating workloads to the target environment, detailing scope, sequencing, roles and responsibilities, timelines, dependencies, risks, and rollback considerations to enable a controlled and predictable migration.
Migration Test Plan	Documents the testing approach used to validate migrated workloads and services, including test scope, success criteria, and validation activities required to confirm functionality, performance, and operational readiness post-migration

## Level of Effort

Edition	Level of Effort
Extra Small	Typically up to 1 day
Small	Typically up to 2 days
Medium	Typically up to 3 days

Edition	Level of Effort
Large	Typically up to 4 days
Extra Large	Typically up to 8 days

## Delivery Type

Delivery Type	Delivery Activities
Virtual	<ul style="list-style-type: none"><li>• Virtual planning session</li><li>• Virtual documentation</li><li>• Virtual project management</li></ul> <p><b>Note:</b> Any in-person project management activities provided solely at Nutanix's discretion</p>
In-person	<ul style="list-style-type: none"><li>• In-person planning session</li><li>• Virtual documentation</li><li>• Virtual project management</li></ul> <p><b>Note:</b> Any in-person project management activities provided solely at Nutanix's discretion</p>

## Related Products

- Nutanix Cloud Infrastructure (NCI)
- Nutanix Cloud Clusters (NC2)

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