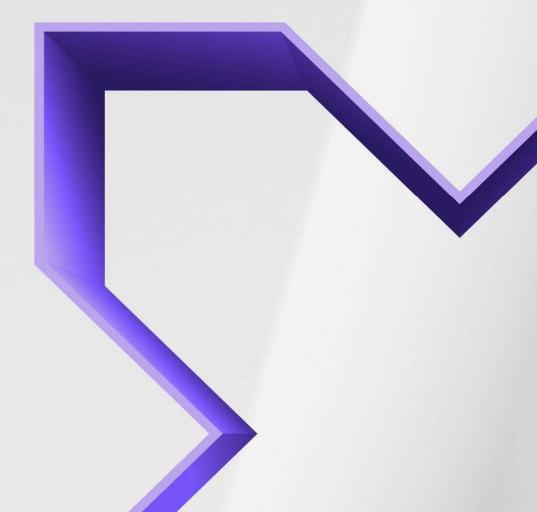# Nutanix Move Guided Demo

Walkthrough Guide

NUTANIX

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Nutanix Move Interactive Demo Overview

Nutanix Move Virtual Appliance is a powerful tool designed to streamline and simplify the process of migrating virtual machines (VMs) from VMware ESXi to the Nutanix AHV (Acropolis Hypervisor) platform. This software solution serves as a bridge between different virtualization environments, enabling seamless migration while minimizing downtime and disruptions.

Nutanix Move facilitates the transfer of VM workloads, data, and configurations, ensuring that your organization can smoothly transition to the Nutanix infrastructure, taking full advantage of its benefits like agility, scalability, and integrated management. In this guided walkthrough document, we will provide you with step-by-step instructions, best practices, and tips to ensure a successful and hassle-free VM migration from VMware ESXi to Nutanix AHV using Nutanix Move Virtual Appliance. This guide will empower you with the knowledge and confidence to make the migration process efficient and painless.

Move supports VM migration from the following sources to targets, where first platform is the source and second platform is the target.

- VMware ESXi (legacy infrastructure or Nutanix) to AHV
- VMware ESXi (legacy infrastructure or Nutanix) to VMware ESXi on Nutanix
- VMware ESXi to Nutanix Cloud Clusters (NC2) on AWS
- VMware ESXi to NC2 on Microsoft Azure
- Microsoft Hyper-V to AHV
- Microsoft Hyper-V to VMware ESXi on Nutanix
- Microsoft Hyper-V to NC2 on AWS
- AWS EC2 to AHV
- AWS EC2 to VMware ESXi on Nutanix
- AWS EC2 to NC2 on AWS
- Microsoft Azure Cloud to AHV
- Microsoft Azure Cloud to VMware ESXi on Nutanix
- Microsoft Azure Cloud to NC2 on Azure
- Nutanix AHV to Nutanix AHV
- Nutanix AHV to AWS EC2
- Nutanix AHV to Microsoft Azure Cloud
- Nutanix AHV to NC2 on AWS/Azure
- NC2 on AWS/Azure to Nutanix AHV
- NC2 on Azure to NC2 on Azure

If there are any questions or concerns with this guide, please reach out to Doug Hutchison (doug.hutchison@nutanix.com)

Nutanix Move Interactive Demo Guide

This guide will walk through a VM migration from ESXi to a Nutanix AHV cluster.

Access VDI Session

1. With your browser of choice (Google Chrome recommended), access one of the following URLs
   a. https://frame.nutanix.com/x/labs
   b. https://phx-vpn.xlabs.nutanix.com/
2. Using the credentials provided below, log into the VDI session.

Username	Password
PHX-MKT237-User##	nx2Tech123!

3. If using the first link (Frame), then ensure that your region in the top header bar is set to PHX-AHV
4. Click Desktop to open your VDI desktop within the datacenter.
5. Within the VDI session, click the Google Chrome icon in the taskbar to open a new browser window.
6. Move on to the next section to verify your source VM

Access VM on Legacy Cluster

1. In the Google Chrome Browser address bar, enter the IP address of the VMware ESXi Host and log in with the credentials below

   *Click **Advanced → Proceed** if presented with an SSL error*

Legacy URL	Username	Password
https://10.38.12.5	root	nx2Tech123!

2. Click **Virtual Machines** on the left navigation bar
3. In the top right search bar, enter your assigned **User##** to narrow down the listed results
4. Right click your **Win10-User##** Virtual Machine and select **Power → Power On**
5. After the VM has powered on and shows a green play icon, right click the VM again and select **Console → Open browser console**
6. Once the VM boots, log in with the below credentials

Username	Password
nutanix	nutanix/4u

7. Right click on the desktop and select **New → Bitmap Image**. After the file is created, rename the file something unique, such as your first and last name.
8. Continue to the next section to continue the VM Migration

Perform Data Migration

Obtain Move Appliance IP Address

1. Open a new Google Chrome browser tab and navigate to the Destination AHV Cluster IP Address
2. Log in with your User## credential

   *Click **Advanced → Proceed** if presented with an SSL error*

AHV Cluster URL	Username	Password
https://10.38.12.71:9440	User##	nx2Tech123!

3. In the top bar dropdown, click **Home** and then select **VM**
4. In the header, select **Table**
5. In the top right corner search box, enter **User##** to only display your Move instance.
6. When only your Move-VM is displayed in the list, right click the VM and select **Power On**
7. Allow the Move appliance 2-3 minutes to power on and start all services. After 2-3 minutes, write down the IP Address of the Move VM here from the IP Addresses Column

   Move VM IP Address: _____

Log into and configure Move VM

1. Within the VDI session, open a new tab in Google Chrome and enter the Move IP Address from step 6 above: ***http://<ip address>***
2. Accept the EULA by checking the box and clicking **Continue**
3. Click **OK**
4. Enter a new password twice for the nutanix user and record the password below for safe keeping. Once recorded, click **Set Password**

   Recommended password is **nx2Tech123!**

Username	Password
nutanix	

5. Log into the Move appliance with the password just set and recorded above
6. Click **+Add Environment** on the left navigation bar to add the legacy environment
7. Select **VMware ESXi** from the dropdown menu and fill in the rest of the settings per the below and click **Add**

Environment Name	vCenter or ESXi host	User Name	Password
VMware	10.38.12.5	root	nx2Tech123!

8. Click **+Add Environment** on the left navigation bar again to add the AHV Cluster

9. Select **Nutanix AOS** from the dropdown menu and fill in the rest of the settings per the below and click **Add**

Environment Name	Nutanix Environment	User Name	Password
AHV	10.38.12.71	User##	nx2Tech123!

Create Migration Plan
1. Click **Create Migration Plan** to start configuring the migration
2. Name your Migration Plan: **Windows 10 Migration** and click **Proceed**
3. In the Source dropdown select the source environment: **VMware**
4. In the Target dropdown select the target environment: **AHV**
5. In the Target Container dropdown select **default-container-#######** and click **Next**
6. In the search box near the top, enter your assigned **User##** to narrow down the results
7. Click the blue **+** next to your **Win10-User##** VM
   a. If you do not see your VM listed, click the blue **Refresh** button near the top left.
8. Click **Next** in the bottom right corner
9. In the Target Network dropdown select **Primary** and click **Next**
10. In the Credentials for Source VMs, enter the following under **Windows VMs**

Username	Password
nutanix	nutanix/4u

11. *(Optional)* Check the box for **Schedule Data Seeding** and change the time to be 3 minutes in the future
12. Click **Next**
13. Verify all Source and Target details are correct, and select **Save and Start**
14. Click the blue **In Progress** link on the right side of the list to monitor your Migration Plan
15. During this time, you may also explore the Move VM

Complete the Data Migration Plan
1. Monitor the migration status. When the **Migration Status** reads **"Ready to Cutover"**, proceed with the following steps
2. Select the checkbox to the left of your **Win10-User##** VM and click the **Cutover** button near the top.
3. Verify the cutover operation and select **Continue**
4. Navigate to the **All VMs** tab to monitor migration status
5. Once the Migration Status reads **Completed**, click the **View Target VM** to log into the Destination AHV cluster with the following credentials

Username	Password
User##	nx2Tech123!

6. In the top right corner, enter your designated **User##** to narrow down the search results
7. Right click your **Win10-User##** VM and select **Power On**
8. Right click your **Win10-User##** VM and select **Launch Console**
9. Log in with your credentials below

Username	Password
nutanix	nutanix/4u

10. Verify your uniquely named files are located on the desktop and have been migrated with the VM
11. **Congratulations, you have successfully completed your first Move VM Migration**