

# Assess VMware Workloads for Migration to Microsoft Azure

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# Module Overview



## Azure Migrate








Create a Microsoft Azure Migrate project

Import Collector OVA

Configure OVA Collector



# Exercise Files



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## Troubleshooting with Microsoft Azure Network Watcher

by Tim Warner

Microsoft now gives you packet-level access to your Windows Server and Linux virtual machines (VMs) running in Azure. You'll learn how to use Network Watcher to troubleshoot network security groups (NSGs), perform packet captures, and much more.

[Resume Course](#) [Bookmark](#) [Add to Channel](#)

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Description

Transcript

**Exercise files**

Discussion


Learning Check

Recommended

These exercise files are intended to provide you with the assets you need to create a video-based hands-on experience. With the exercise files, you can follow along with the author and re-create the same solution on your computer. We find this to be even more effective than written lab exercises.

[Download exercise files](#)

Course author



Tim Warner

Timothy Warner is a Microsoft Most Valuable Professional (MVP) in Cloud and Datacenter Management who is based in Nashville, TN.

Course info

Level	Intermediate
Rating	★★★★★
My rating	★★★★★
Duration	2h 12m
Released	31 Oct 2017

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# Azure Migrate

**Assess Azure readiness**

**Get size recommendations**

**Estimate monthly costs**

**Migrate with high confidence!**



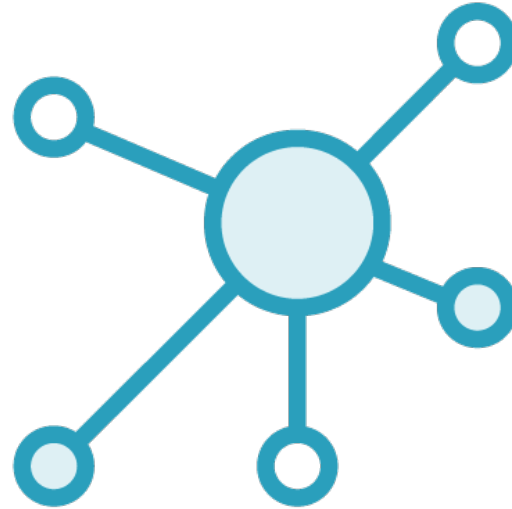
# Azure Migrate



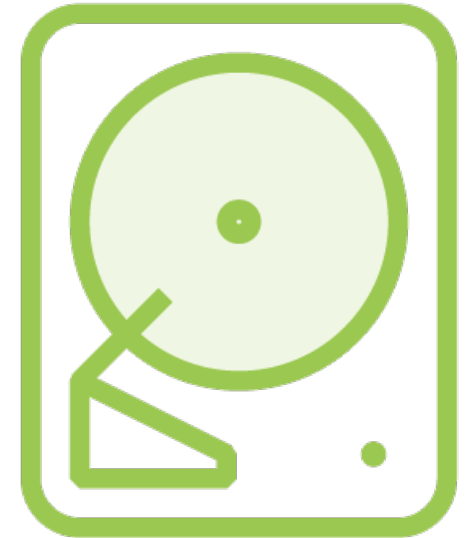
Can only assess  
on-premises  
VMware virtual  
machines



Can discover up  
to 1500 VMs for  
a single project  
and assessment



Can only create  
the project in  
East US and  
West Central  
regions



Azure Migrate  
only supports  
managed disks  
for migration  
assessment



# Create a Microsoft Azure Migrate Project



**Project name**



**Subscription type: Azure Migrate will not incur any charges**



**Resource Group: Use existing or create new**



**Location: West Central US or East US region**



# Demo



## Creating an Azure Migrate project



# Connecting the Collector Appliance to vCenter



Account/Role must have at least read-only rights to the Data Center Object



vCenter versions 5.5, 6.0, and 6.5 are supported officially



Recommended to set the highest common level (3) for statistics in vCenter to gather all counters correctly



# The Collector Appliance Prerequisites



**Needs internet  
connectivity**



**Time is in sync with  
the internet server**



**VMware PowerCLI  
PowerShell module must  
be installed to  
communicate with vCenter**



# Data That Is Collected



VM display name



VM's inventory path



IP address



MAC address



# Data That Is Collected



Operating system



Number of cores, disks, NICs



Memory and disk sizes



Performance counters



Demo



## Configuring Azure Collector Appliance



# Summary



## Created an Azure Migrate project

- Requires subscription
  - Is a free service!
- Assessments can be saved indefinitely

## Located and configured Collector Appliance

- Needs internet connectivity
- User account needs **read-only** access to the objects in vCenter
- vCenter must be at least version 5.5
  - Hyper-V and physicals are on the roadmap

