

# Migrate On-Premises Servers to Azure

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# Overview



**Get comfortable with Azure Migrate**

**Deploy and configure the Azure Migrate appliance**

**Migrate VM workloads to Azure IaaS**



# Windows Server 2022: Migrate Servers and Workloads

**Migrate On-Premises Storage on Windows Server**

**Migrate On-Premises Servers to Azure**

**Migrate Workloads to Windows Server 2022**

**Migrate IIS Workloads to Azure**

**Migrate an AD DS Infrastructure to Windows Server 2022 AD DS**



# Azure Migrate Overview



# Azure Migrate



**Integrated solution to assess and migrate on-premises infrastructure, apps, and data to Azure**

**First- and third-party tools**

- ISV tools don't work with Azure Government

**Physical server, VMware, and Hyper-V assessment and migration**

**Agentless and agent-based**



# Azure Migrate Appliance



**Windows Server 2016 VM running on evaluation license**



**Limits: 10K VMware hosts; 5K Hyper-V hosts; 1K physical servers**



**Longer assessment times yield more accurate results**



**Dependency analysis**



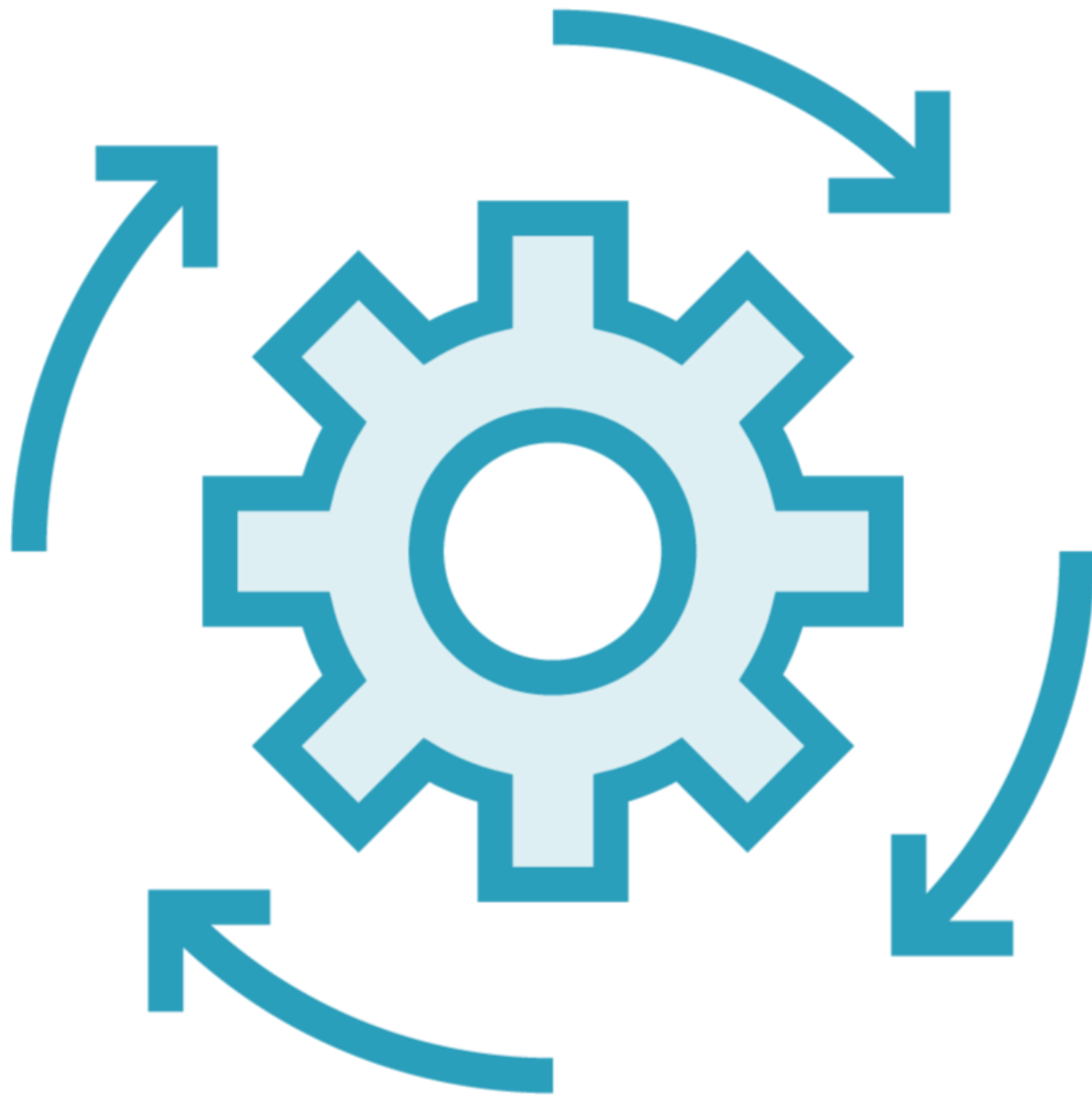
**Monitoring: Arc, Monitor, Log Analytics, Sentinel**



# Azure Migrate Server Migration



# Azure Migrate Server Migration



## **Assess, replicate, and migrate**

- Physical and virtual machines
- Hyper-V and VMware

**No dependency on Site-to-Site VPN or ExpressRoute**

**Remember to use Azure Migrate instead of Azure Site Recovery (ASR)!**

# Azure Migrate Server Migration

**Create  
Azure  
Migrate  
project**

**Install  
appliance**

**Run  
discovery  
and create  
assessment**

**Configure  
replication**

**Perform  
migration**

**Verify and  
monitor**



# Physical Server Migration to Azure

**Windows Server  
2003 and SUSE  
Linux are not  
supported**

**Assessment types  
are as-in on-  
premises or  
performance-  
based**

**Requires Azure  
Migrate appliance  
and agent  
installation**



# Demo



# 1

**Show source Hyper-V server**

**Start project**

**Show appliance**

**Perform assessment & migration**



## Summary



**Microsoft has put a lot of engineering effort into helping customers migrate to Azure**

**Azure Migrate Server Migration applies to migration from other clouds as well**

**Lead: But what about migrating my local services to other hosts? Can Azure help with that too?**



Up Next:

Migrate Workloads to Windows Server 2022

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