



# Azure Migrate Server Assessment Tool



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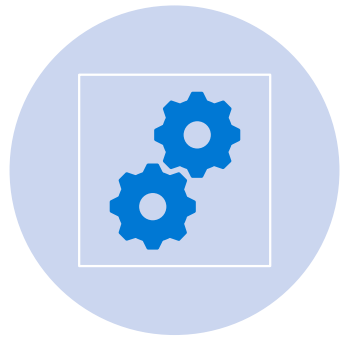
# Azure Migrate Server Assessment Tool Overview



**Provides a centralized hub to assess on-premises servers, desktops, infrastructure, applications, and data.**



**Assesses the readiness of the infrastructure to be migrated to Azure.**



**Provides full overview about the current performance of your environment**



**Gives an estimate size of Azure VMs needed for migration & estimate cost.**

# Assessment Expectations



**Agentless discovery**



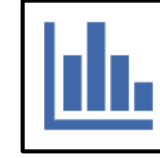
**Dependency analysis**



**Full overview about  
current setup of the  
environment**



**Cloud Readiness  
information**



**Current Performance  
data**

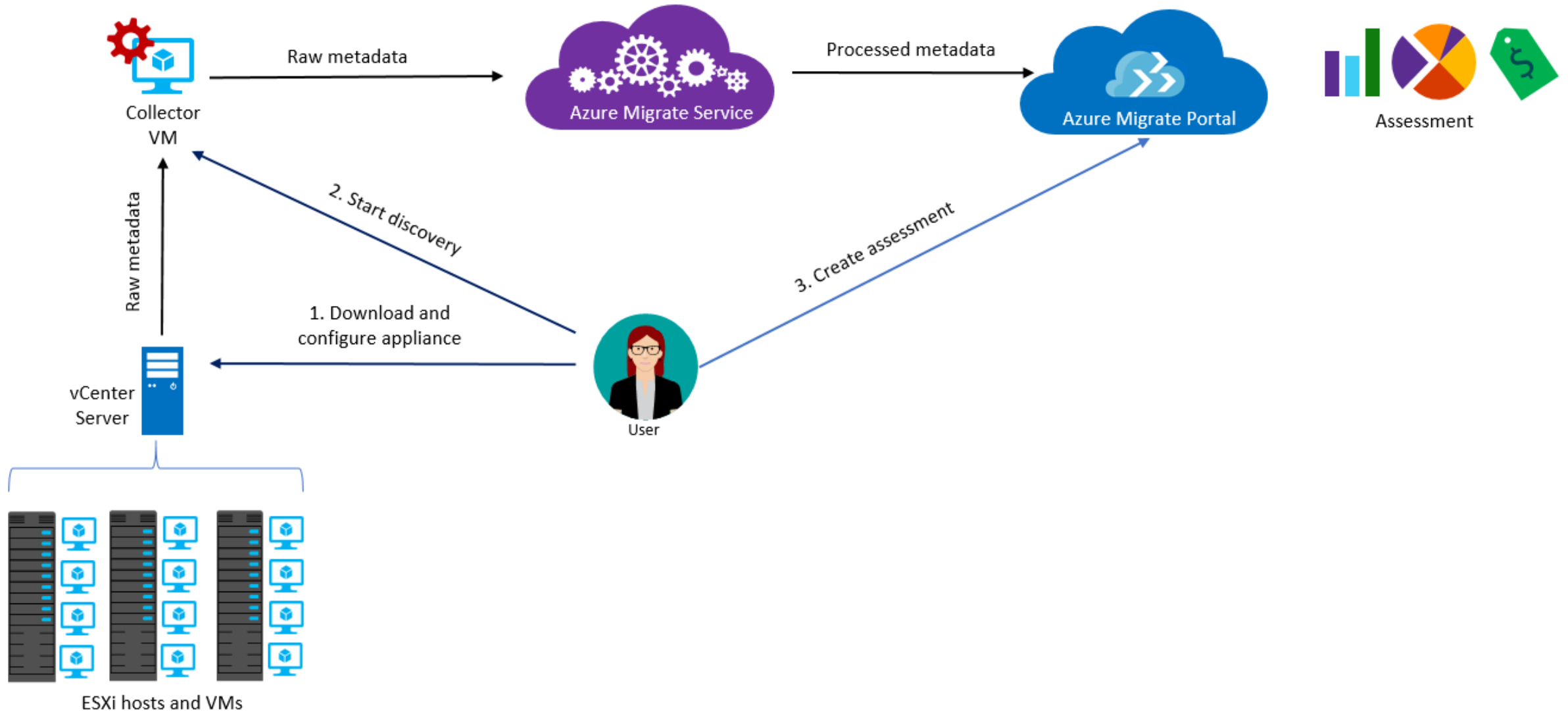


**Azure Sizing**



**Estimated operation  
cost [computing and  
storage]**

# How Azure Migrate Server Assessment Tool works



# Demo

Microsoft Azure

Subscription

- RESOURCES 0 results
- RESOURCE GROUPS 0 results
- SERVICES
- Subscriptions**

Create a resource

All services

FAVORITES

Microsoft Azure

Search resources, services and documents

Create a resource Subscriptions Resource groups AppDynamics Users Tenant Properties Virtual machines

**Navigate**

- Subscriptions
- Resource groups
- All resources

**Tools**

- Microsoft Learn: Train on Azure with free online training offered by Microsoft
- Azure Monitor: Keep monitoring your applications and infrastructure
- Security Centre: Secure your apps and infrastructure

**Useful links**

- Technical documentation: Azure Migration Tools
- Services Azure: Find an Azure expert
- Recent Azure updates: Fast Start Centre

Azure Migrate | Servers

Search (Ctrl+F) Refresh

Overview

Migration goals

- Servers
- Databases
- VDI
- Web Apps
- Data Box

Manage

- Discovered items
- Support + troubleshooting
- New support request

Azure Migrate is now a hub for all your migration needs and tools. Get started by clicking on 'Assess and migrate servers.' (Click on 'Refresh' to update the page)

Last refreshed at: 18/08/2020, 13:21:01 (Click on "Refresh" to update the page)

**Assessment tools (Add more tools)**

- Azure Migrate: Server Assessment**
- Discover Assess Overview

**Quick start**

- 1: Discover**  
Discover your on-premises machines by using an appliance or importing in a CSV format. Click 'Discover' to get started.
- 2: Assess**  
Click 'Assess' to assess the discovered machines.

Home > Azure Migrate

Azure Migrate | Servers

Search (Ctrl/) Update

Vue d'ensemble

Objectifs de migration

- Serveurs
- Bases de données
- VDI
- Applications web
- Data Box

Gérer

- Éléments découverts
- Support
- Nouveaux outils

Azure Migrate is now a hub for all your migration needs and tools. Start by clicking "Assess and migrate servers." If you've ever made a discovery classic Azure Migrate experience, click here to access your old projects.

**Getting off to a good start**

No tools have been added. Click "Create a Project" below to select and add your assessment and migration tools.

Create a proj...

Redington

Home > Azure Migrate >

**Azure Migrate**

Create project

An Azure Migrate project is used to store the discovery, assessment and migration metadata reported by your on-premises environment. Select a subscription and resource group in your preferred geography to create the migrate project.

Subscription \*

Resource group \*   
[Create new](#)

**PROJECT DETAILS**

Specify the name of the migrate project and the preferred geography.

Migrate project \*

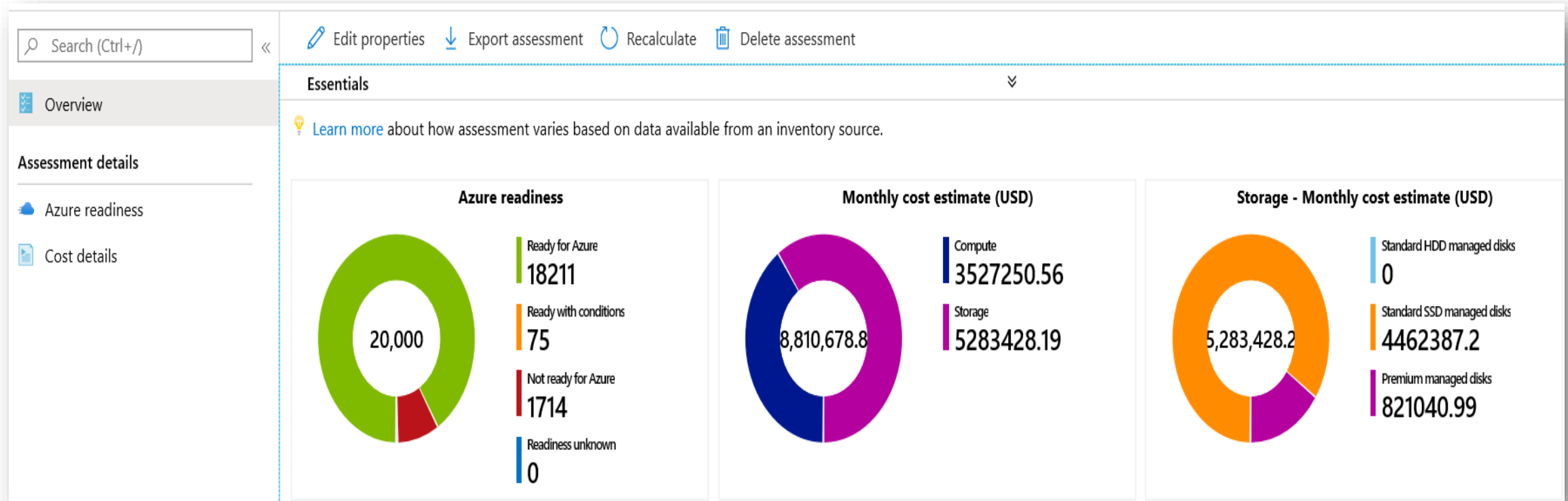
Geography \*

# Requirements

Physical Environment	VMware Environment	Hyper-V Environment
<p>You need a machine on which to run the Azure Migrate appliance. The machine should have</p> <ul style="list-style-type: none"> <li>- Windows Server 2016 installed. (Currently the deployment of appliance is only supported on Windows Server 2016.)</li> <li>- 16-GB RAM, 8 vCPUs, around 80 GB of disk storage.</li> <li>- A static or dynamic IP address, with internet access, either directly or through a proxy.</li> </ul>	<ul style="list-style-type: none"> <li>- You need a vCenter Server running version 5.5, 6.0, 6.5 or 6.7.</li> <li>- VMs must be hosted on an ESXi host running version 5.5 or later.</li> <li>- On the vCenter Server, allow inbound connections on TCP port 443, so that the appliance can collect assessment data.</li> <li>- The appliance connects to vCenter on port 443 by default. If the vCenter server listens on a different port, you can modify the port when you connect from the appliance to the server to start discovery.</li> </ul>	<ul style="list-style-type: none"> <li>- Hyper-V hosts on which VMs are located can be standalone, or in a cluster.</li> <li>- The host must be running Windows Server 2019, Windows Server 2016, or Windows Server 2012 R2.</li> <li>- Verify inbound connections are allowed on WinRM port 5985 (HTTP), so that the appliance can connect to pull VM metadata and performance data, using a Common Information Model (CIM) session.</li> </ul>
<ul style="list-style-type: none"> <li>- For windows servers : allow inbound connections on WinRM port 5985 (HTTP), so that the appliance can pull configuration and performance metadata.</li> <li>-For Linux servers : Allow inbound connections on port 22 (TCP).</li> </ul>	<p>vCenter Server needs resources to allocate a VM for the Azure Migrate appliance:</p> <ul style="list-style-type: none"> <li>- Windows Server 2016</li> <li>- 32 GB of RAM, eight vCPUs, and around 80 GB of disk storage.</li> <li>- An external virtual switch, and internet access on for the VM, directly or via a proxy.</li> </ul>	<p>Hyper-V host needs resources to allocate a VM for the appliance:</p> <ul style="list-style-type: none"> <li>- Windows Server 2016</li> <li>-16 GB of RAM</li> <li>- Eight vCPUs</li> <li>- Around 80 GB of disk storage.</li> <li>- An external virtual switch.</li> <li>- Internet access on for the VM, directly or via a proxy.</li> </ul>



# Assessment Outputs





# Assessment Outputs

## Assess3yr | Azure readiness

Assessment

Search (Ctrl+/) Edit properties Export assessment Recalculate Columns Delete assessment

Overview

Assessment details

- Azure readiness
- Cost details

### Azure readiness

Ready for Azure	22
Ready with conditions	3
Not ready for Azure	0
Readiness unknown	0

25


#### Details [How do I modify list of assessed machines?](#)


Search to filter machines < Previous Page 1 of 2 Next >

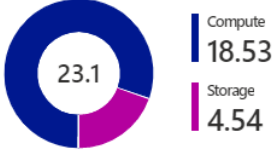
Name	Azure VM readiness	Azure VM size	Operating system	Disks on-premises	Cores on-premises	Memory on-premises...	IP address	MAC address
ig-sap0px01dir	✓	Standard_D1_v2	SUSE Linux Enterpris...	2	2	32768	10.2.2.20	00:50:56:85:6e:f1
ig-sap0px01dir	✓	Standard_D1_v2	SUSE Linux Enterpris...	4	2	2048	10.2.2.8	00:50:56:8f:23:77
ig-sap0px01dir	✓	Standard_D1_v2	Microsoft Windows ...	1	4	8192	10.2.2.92	00:50:56:8f:49:f5
ig-sap0px01dir	✓	Standard_E4s_v3	Microsoft Windows ...	1	8	32768	10.2.2.91	00:50:56:8f:33:ce
ig-sap0px01dir	✓	Standard_D1_v2	SUSE Linux Enterpris...	4	2	16384	10.2.2.22	00:50:56:85:7f:17
ig-sap0px01dir	✓	Standard_D1_v2	SUSE Linux Enterpris...	3	2	4096	10.2.2.84	00:50:56:8f:8e:92

# Assessment Outputs

Essentials [View as JSON](#)

**Azure readiness**  Ready

**Azure VM size**  Standard\_D1\_v2

**Monthly cost estimate (USD)** 

**Migration tool**  
[Azure Migrate: Server Migration](#) **Reason:** This machine is suitable for lift and shift migration to Azure

**Operating system**

Operating system	Operating system version	Operating system architecture
SUSE Linux Enterprise 12 (64-bit)	Not available	X64

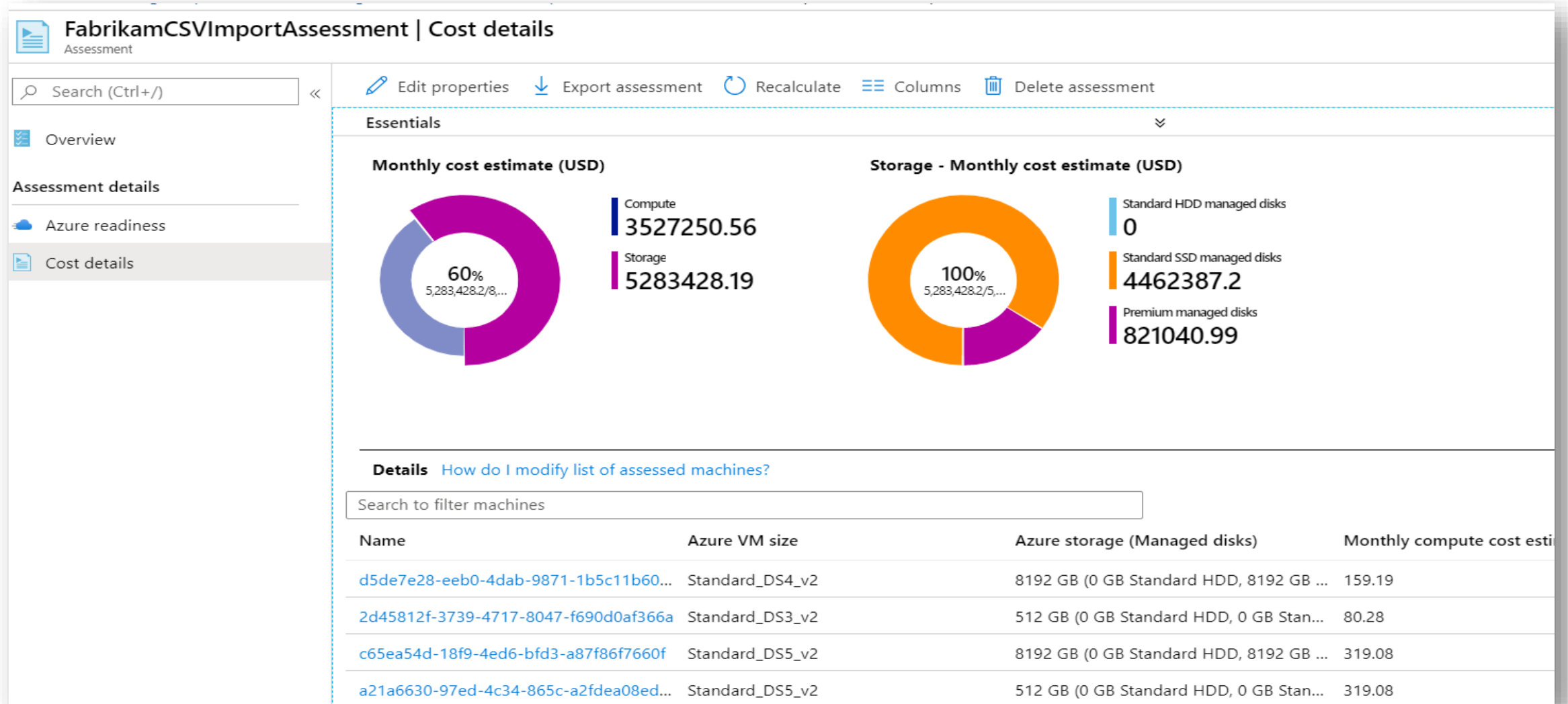
**Compute**

Cores	CPU utilization	Memory size	Memory utilization
2	1.94%	32768 MB	1.99%

**Storage**

Source disks	Target disk size GB	Target disk type	Read (Ops/ Sec)	Write (Ops/ Sec)	Read (MBPS)	Write (MBPS)	Monthly cost estimate (USD)
> 2 Disks	96	2 Standard, 0 Premium	0	2	0	0.06	4.55

# Assessment Outputs



# Assessment Timeline



1<sup>st</sup> Day to download the appliance & start environment discovery



7<sup>th</sup> Day to collect assessment outputs & create the 4 assessments

Questions?

