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Azure Migrate Server Assessment Tool

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Agenda

- Azure Migrate Assessment Tool Overview
- Assessment Expectations
- How Azure Migrate Server Assessment Tool works ?
- Demo
- Requirements
- Assessment Outputs
- Q&A

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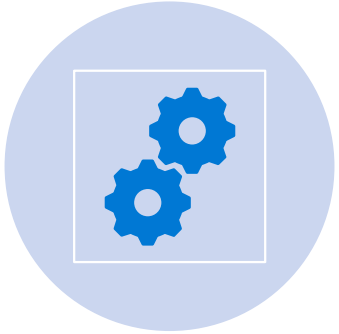
Azure Migrate Server Assessment Tool Overview

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.

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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]

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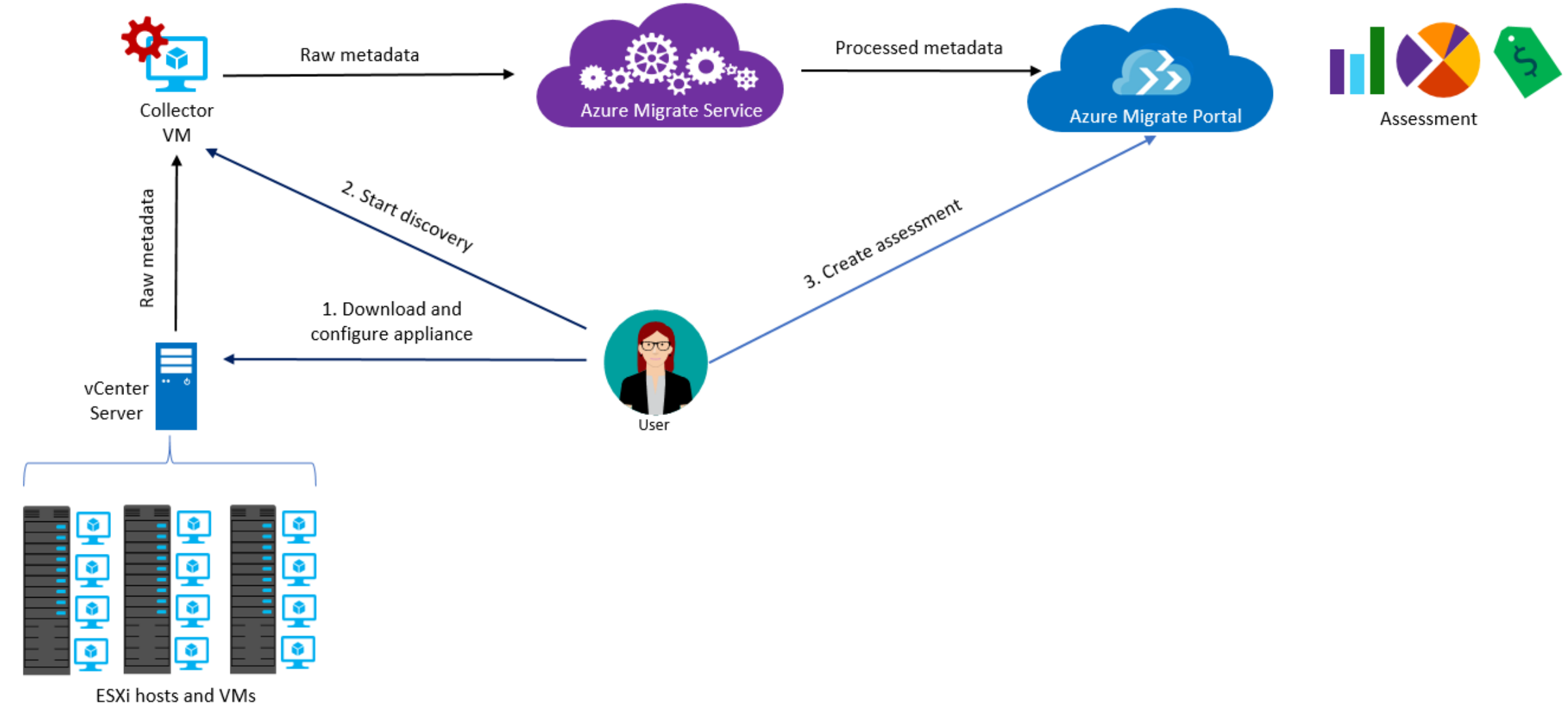
How Azure Migrate Server Assessment Tool works



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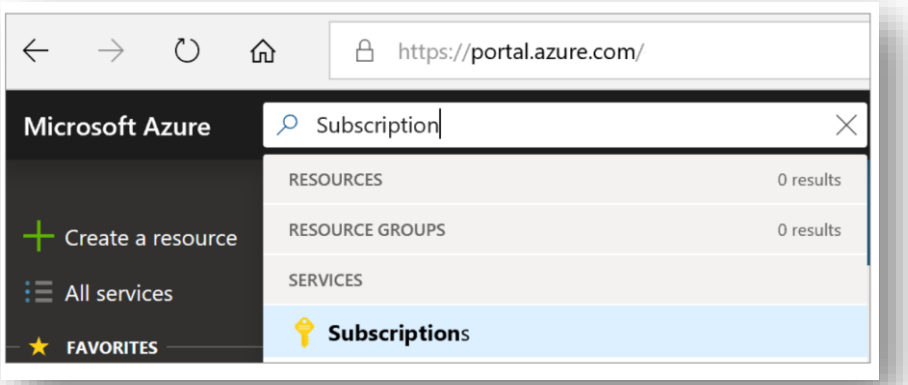
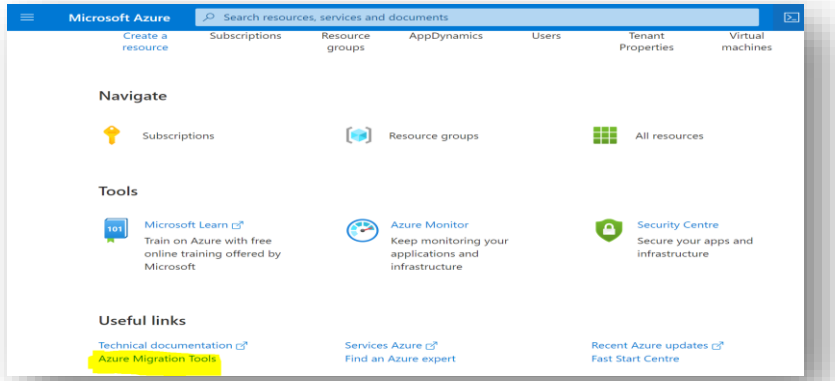
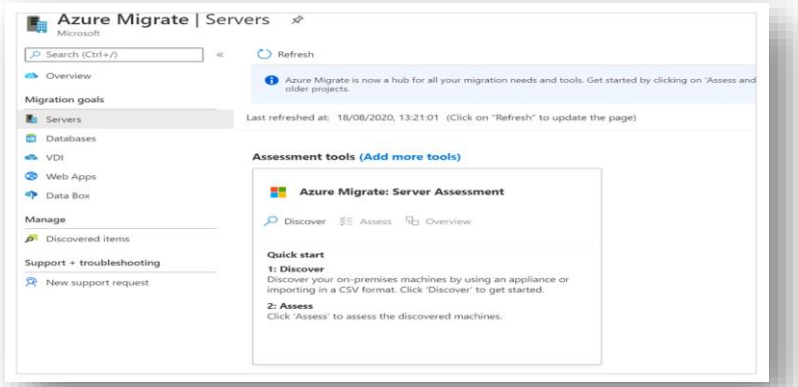
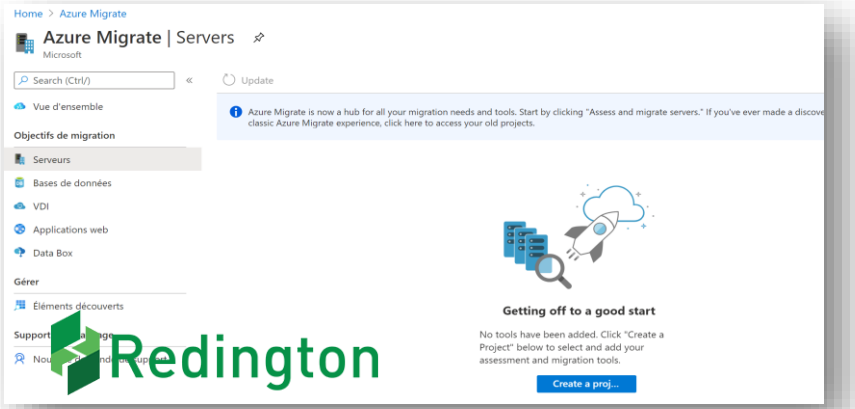
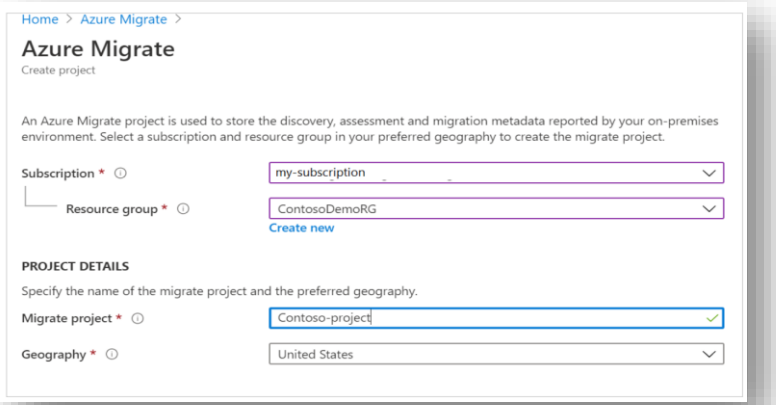
Demo











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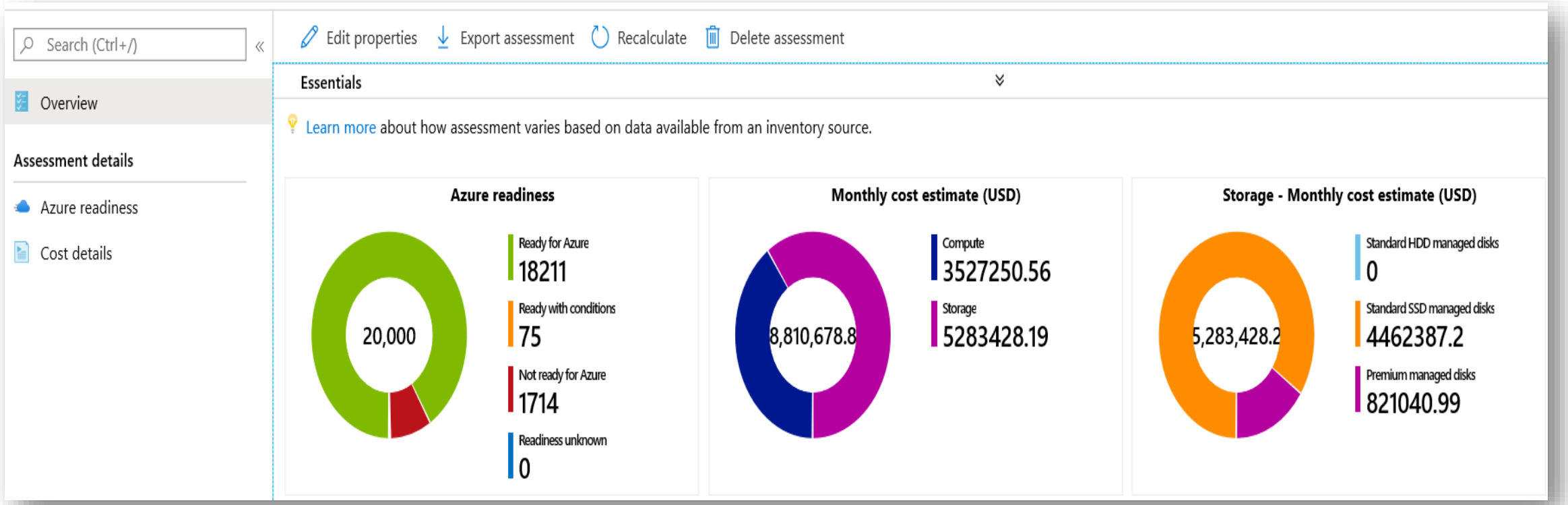
Requirements

Physical Environment	VMware Environment	Hyper-V Environment
You need a machine on which to run the Azure Migrate appliance. The machine should have - Windows Server 2016 installed. (Currently the deployment of appliance is only supported on Windows Server 2016.) - 16-GB RAM, 8 vCPUs, around 80 GB of disk storage. - A static or dynamic IP address, with internet access, either directly or through a proxy.	- You need a vCenter Server running version 5.5, 6.0, 6.5 or 6.7. - VMs must be hosted on an ESXi host running version 5.5 or later. - On the vCenter Server, allow inbound connections on TCP port 443, so that the appliance can collect assessment data. - 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.	- Hyper-V hosts on which VMs are located can be standalone, or in a cluster. - The host must be running Windows Server 2019, Windows Server 2016, or Windows Server 2012 R2. - 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.
- For windows servers : allow inbound connections on WinRM port 5985 (HTTP), so that the appliance can pull configuration and performance metadata. -For Linux servers : Allow inbound connections on port 22 (TCP).	vCenter Server needs resources to allocate a VM for the Azure Migrate appliance: - Windows Server 2016 - 32 GB of RAM, eight vCPUs, and around 80 GB of disk storage. - An external virtual switch, and internet access on for the VM, directly or via a proxy.	Hyper-V host needs resources to allocate a VM for the appliance: - Windows Server 2016 -16 GB of RAM - Eight vCPUs - Around 80 GB of disk storage. - An external virtual switch. - Internet access on for the VM, directly or via a proxy.

Assessment Outputs



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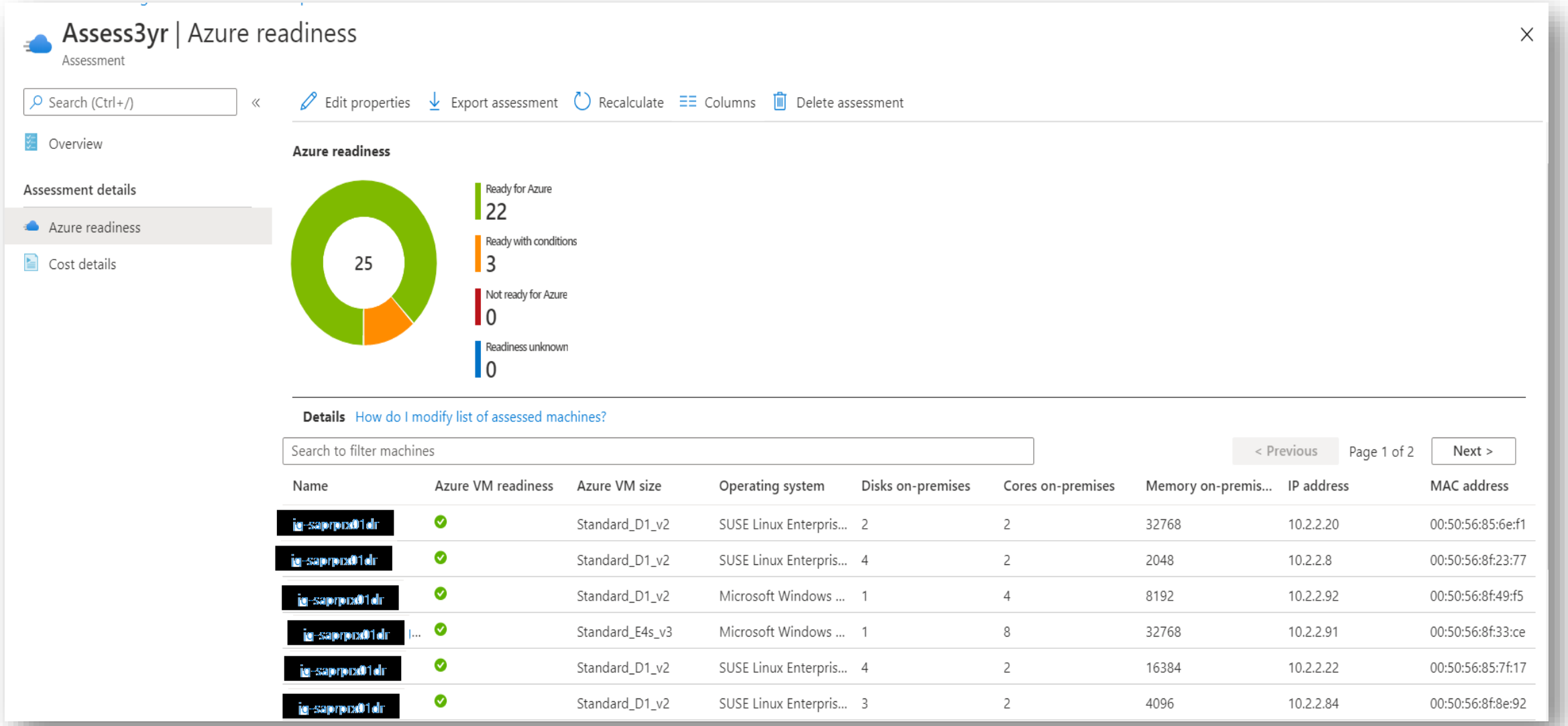
Assessment Outputs



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Assessment Outputs

Essentials

View as JSON

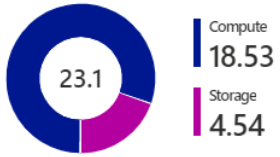
Azure readiness

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

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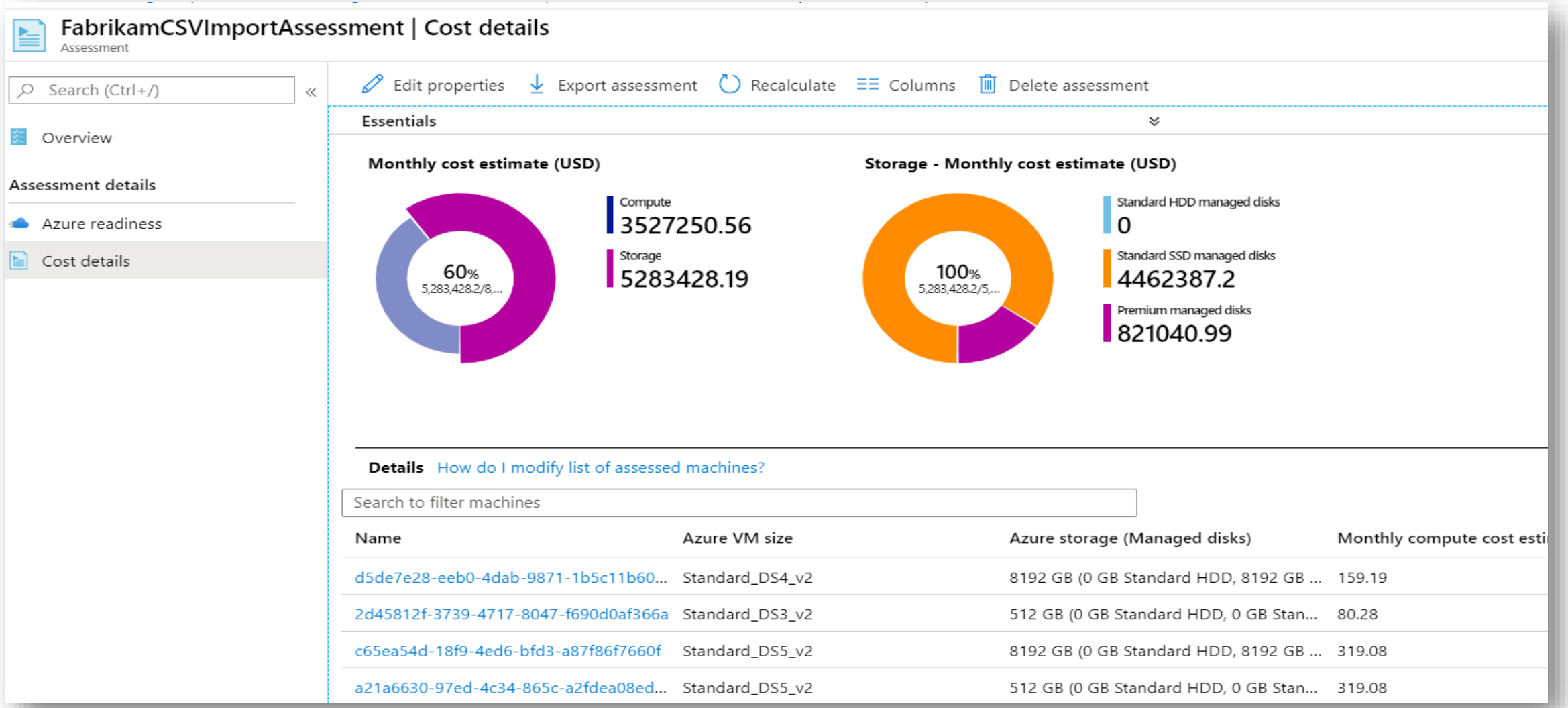
Assessment Outputs



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Assessment Timeline

1st Day to download the appliance & start environment discovery

7th Day to collect assessment outputs & create the 4 assessments

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Questions?

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