

Creating Server Assessments



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Module Overview



Discover workloads

Create an assessment in Azure

Review assessment report

**Create high confidence groups
based on report**



Exercise Files



What do you want to learn?

Timothy
timothywarner316@gmail.com

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](#)

Table of contents

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

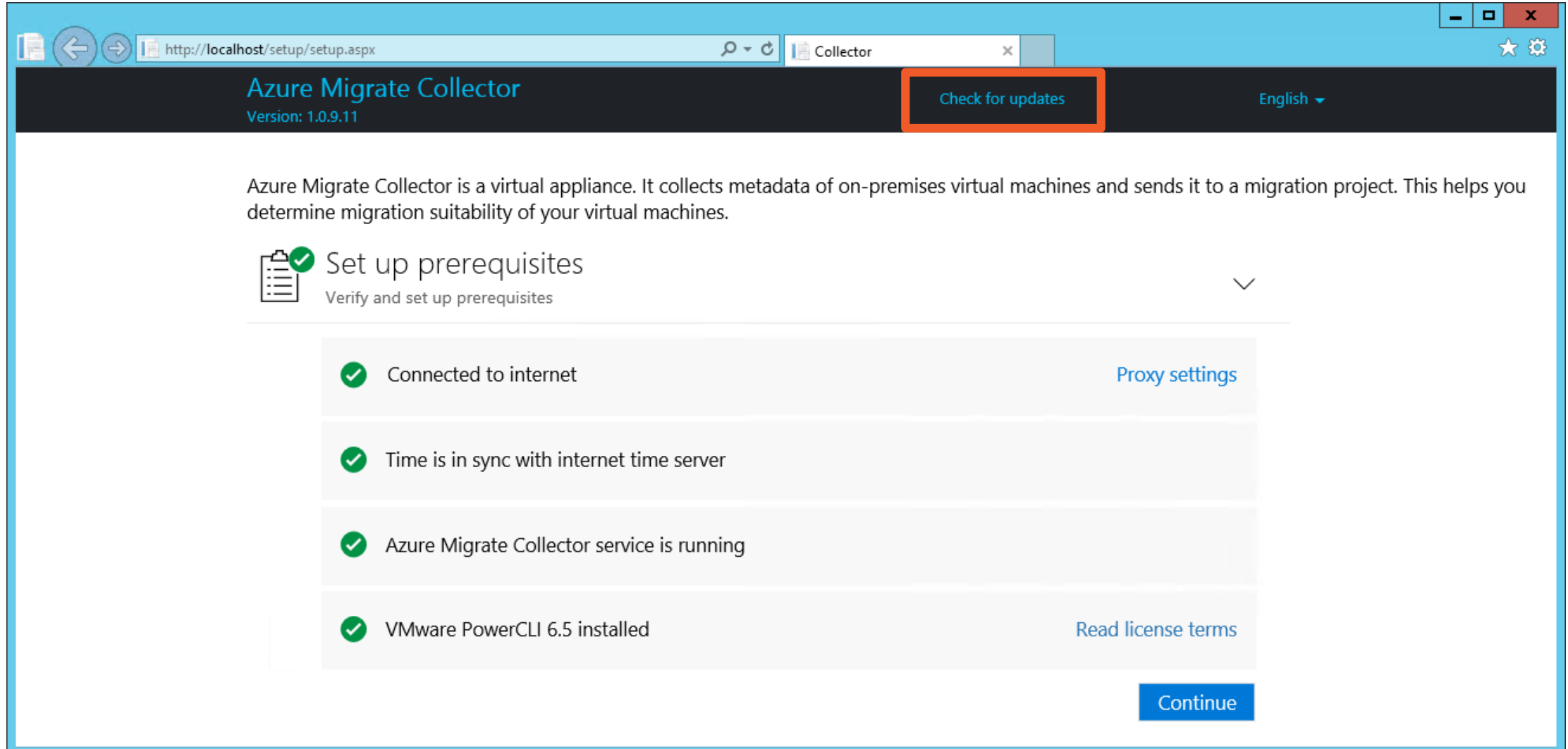
Level	Intermediate
Rating	★★★★★
My rating	★★★★★
Duration	2h 12m
Released	31 Oct 2017

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Discover Machines: Set up Prerequisites



The screenshot shows the Azure Migrate Collector web interface in a browser window. The browser's address bar shows `http://localhost/setup/setup.aspx`. The page title is "Azure Migrate Collector" with version "1.0.9.11". A "Check for updates" button is highlighted with an orange box. The main content area describes the collector as a virtual appliance and lists prerequisites under the heading "Set up prerequisites". All four prerequisites are marked with green checkmarks: "Connected to internet", "Time is in sync with internet time server", "Azure Migrate Collector service is running", and "VMware PowerCLI 6.5 installed". There are links for "Proxy settings" and "Read license terms". A "Continue" button is at the bottom right.


http://localhost/setup/setup.aspx





Azure Migrate Collector
Version: 1.0.9.11

Check for updates

English

Azure Migrate Collector is a virtual appliance. It collects metadata of on-premises virtual machines and sends it to a migration project. This helps you determine migration suitability of your virtual machines.


 Set up prerequisites
Verify and set up prerequisites

-  Connected to internet [Proxy settings](#)
-  Time is in sync with internet time server
-  Azure Migrate Collector service is running
-  VMware PowerCLI 6.5 installed [Read license terms](#)

Continue



Specify vCenter Server Details

 Specify vCenter Server details
Connect to vCenter Server and select a scope for collection

Connect to vCenter Server
Specify a read-only account for accessing vCenter Server

vCenter Server name or IP address ⓘ

Username

Password

Connect

✔ Connected

ⓘ

vCenter Server currently lacks utilization history for disks and network adapters. We recommend setting vCenter Server's Statistics Level to 3 and waiting at least 1 day before starting collection. Otherwise, rightsizing will be based only on CPU and memory utilization.
[Read more](#)

Select scope
Selecting a scope enables collection for a subset of virtual machines

Hosts and Clusters ⓘ


▼

Datacenter\192.168.174.243 has 6 virtual machines

Continue




Specify vCenter Server Details

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[Read more](#)

Connect  Connected

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Selecting a scope enables collection for a subset of virtual machines

Hosts and Clusters ●
Datacenter\192.168.174.243
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Continue



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Datacenter\192.168.174.243

Datacenter\192.168.174.243 has 6 virtual machines

Hosts and Clusters

Datacenter\192.168.174.243

Datacenter\192.168.174.243 has 6 virtual machines



Specify Migration Project



Set up prerequisites

Verify and set up prerequisites



Specify vCenter Server details

Connect to vCenter Server and select a scope for collection



Specify migration project

Specify ID and key for migration project



Specify the project ID and key

Project ID ⓘ

Project Key ⓘ

Connect

Continue



Specify migration project



1: Download collector appliance

Collector appliance enables you to discover your on-premises machines using a virtual machine created from the appliance.

[Download](#) .OVA file. 10GB



2: Create collector virtual machine

Import the appliance in vCenter Server to create the collector virtual machine.



3: Configure collector and start discovery

Connect to the collector virtual machine and configure the appliance by clicking on the 'Run collector' shortcut placed on the desktop.



4: Copy project credentials

Copy the below project ID and key and specify these while configuring the collector appliance. It enables the collector to send the discovered meta-data to the appropriate project.

Project ID 40726dd0-cbd5-475c-b42a-7ea6f658fdc7



Project Key ploEpTsUDKDF71LDPRan8MFzCu1S/T7updTuggnjMjir2GWOLSKC0xgqf8F5+ggphJNH6Vre+KES+498UccQA==



[Connect](#)

[Continue](#)



Specify migration project



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Project Key

ploEpTsUDKDF71LDPRan8MFzCu1S/T7updTuggnjMjir2GWOLSKC0xgqf8F5+ggphJNH6Vre+KES+498UccQA==



[Connect](#)

[Continue](#)



Demo



Discovering workloads



Create an Assessment in Azure

[Home](#) > [Contoso-Migrate-1 - Assessments](#) > [Create assessment](#)

Create assessment

Contoso-Migrate-1

An **assessment** is created on a **group** of machines that you migrate together. Assessment helps you determine Azure readiness of your on-premises machines.

Assessment properties

(Showing 3 of 14) [View all](#)

Migration target location : West US 2

Sizing criterion : As on-premises

Reserved instances : 3 years reserved

Select or create a group

☒ Create New ☐ Use Existing

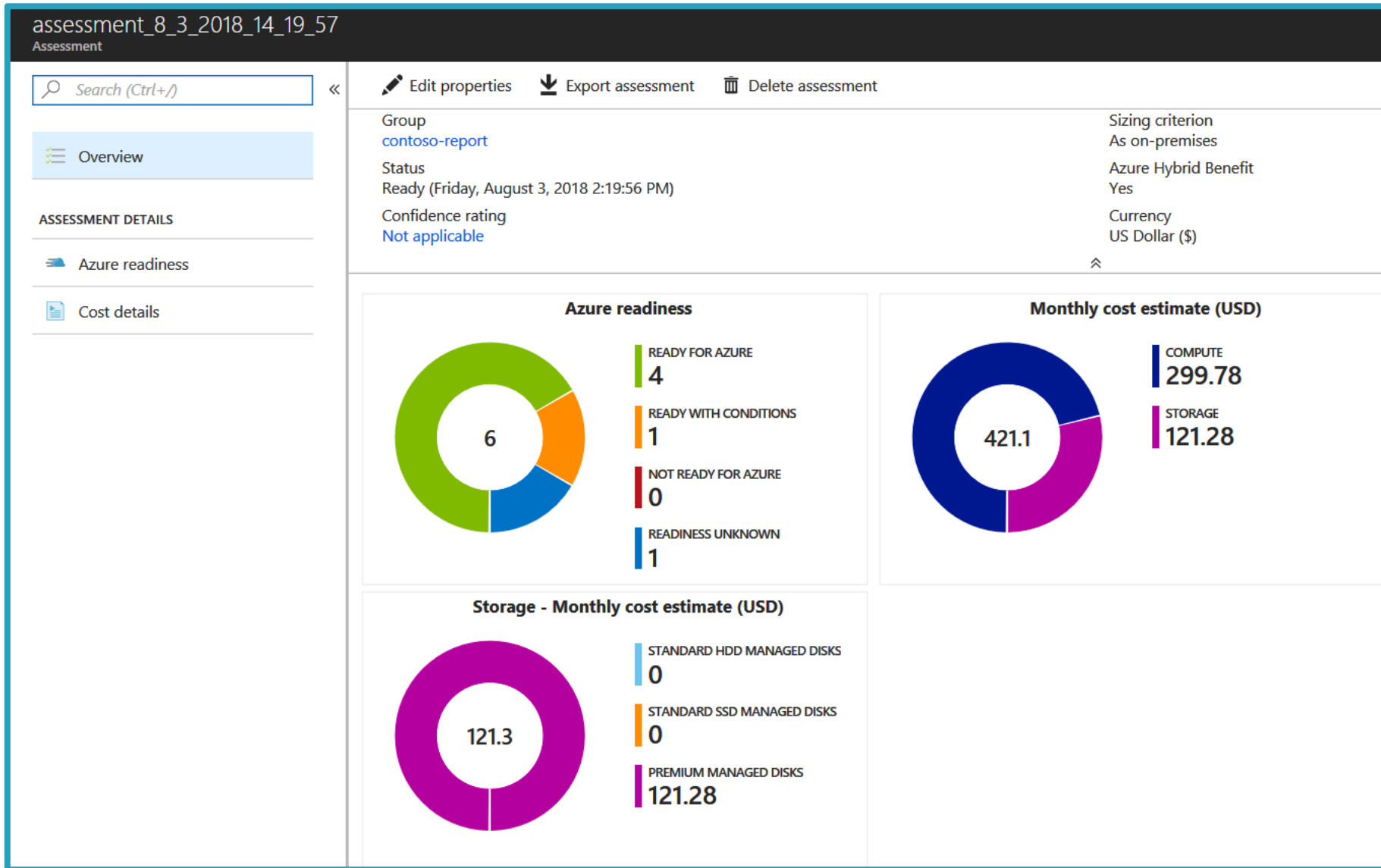
Add machines to the group

[Select all](#) [Clear selection](#)

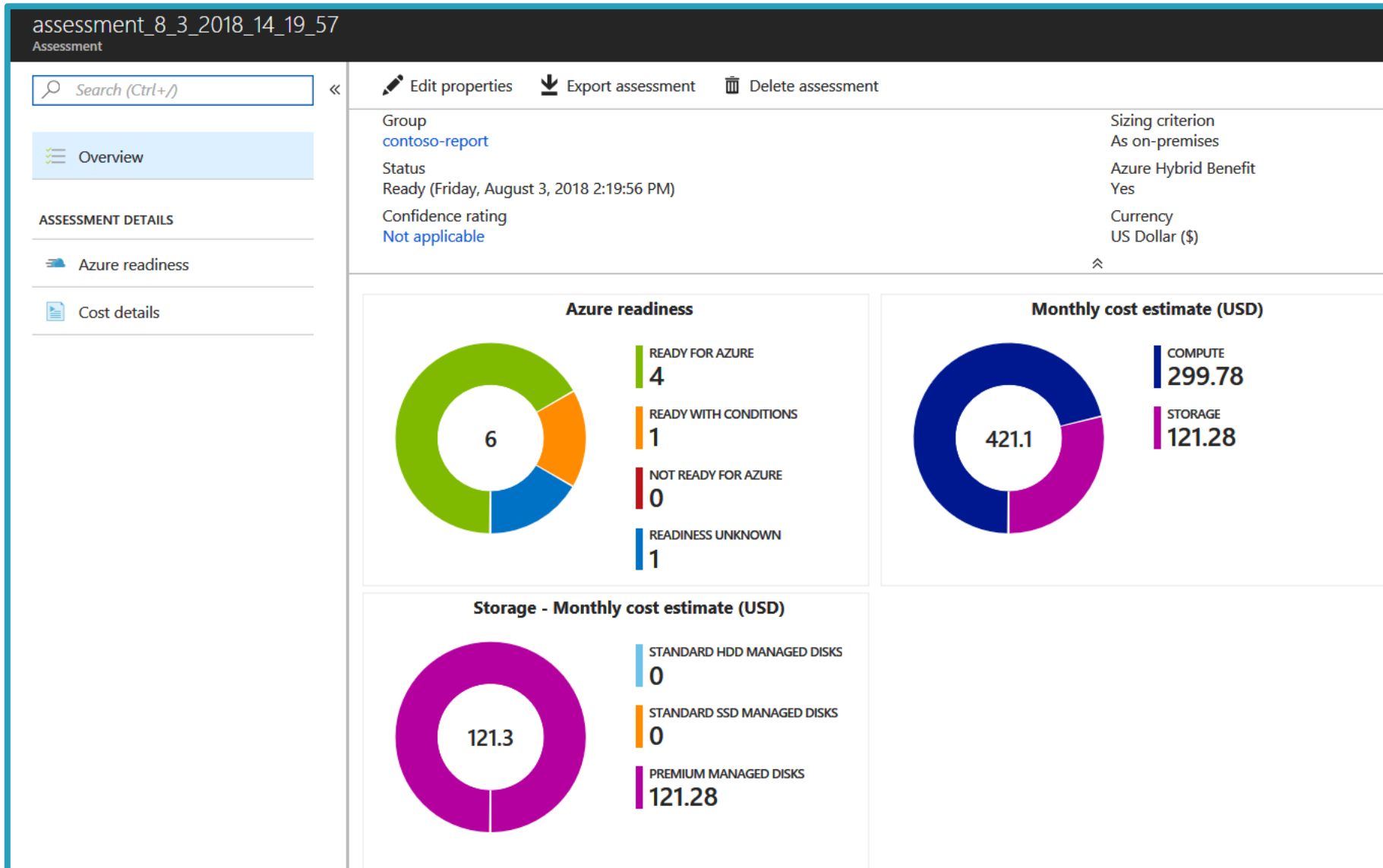
NAME	IP ADDRESS	OPERATING SYSTEM
WEBDB1	2605:a000:1504:8697:163:44f2:4bc9:ba6f,fde2:8d85:7d1c:10:1...	Microsoft Windows Server 2012 (64-bit)
APP1	192.168.174.171,2605:a000:1504:8697:20c:29ff:fe1d:a9da,fe80:...	Ubuntu Linux (64-bit)
AzureMigrateApp	2605:a000:1504:8697:6919:a984:5fcc:4f8e,fde2:8d85:7d1c:10:6...	Microsoft Windows Server 2012 (64-bit)
VCenter1	2605:a000:1504:8697:d19e:b2d7:b810:3ba5,fde2:8d85:7d1c:10...	Microsoft Windows Server 2012 (64-bit)

[How to create groups using dependency visualization](#)

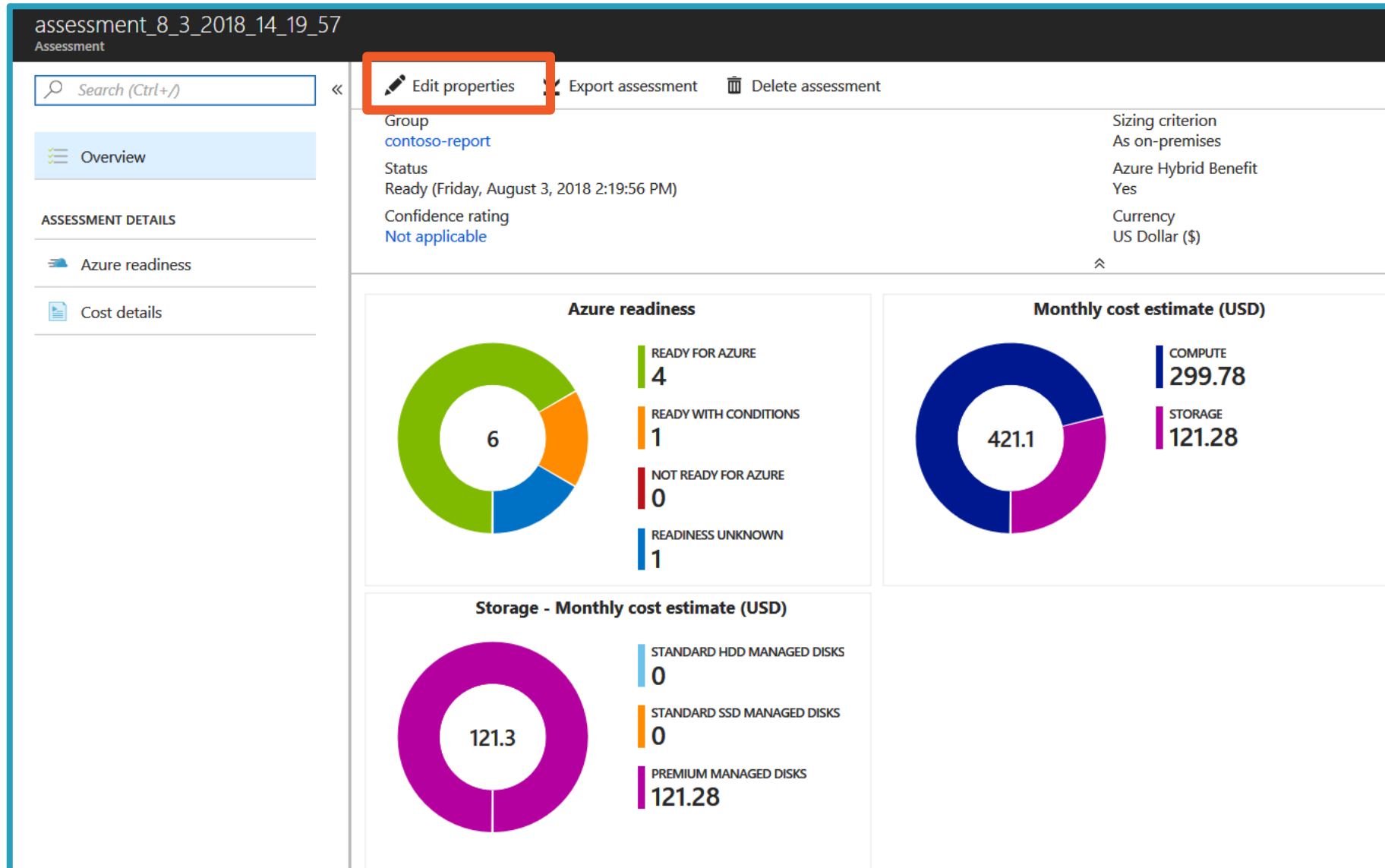
Review Assessment Report



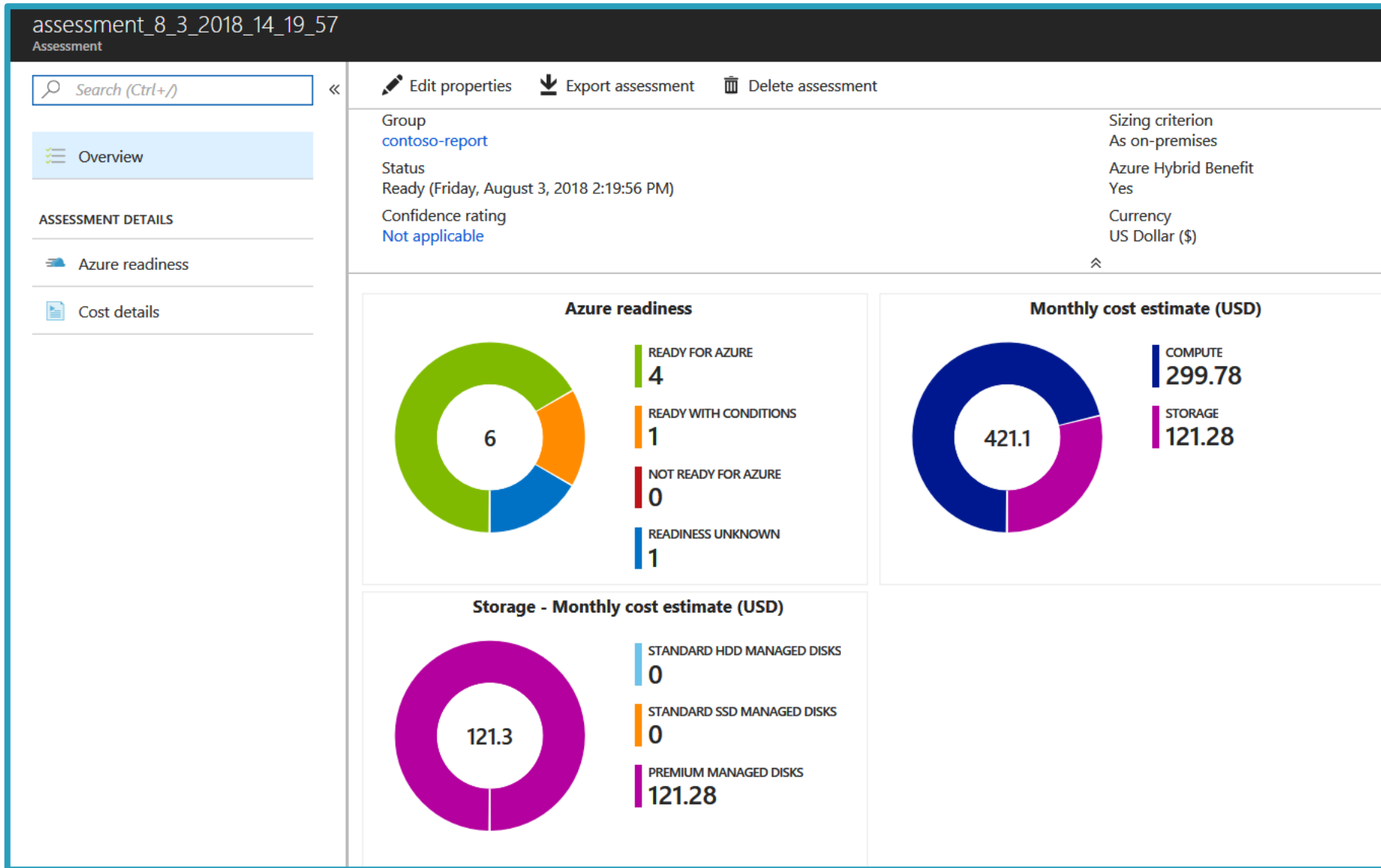
Review Assessment Report



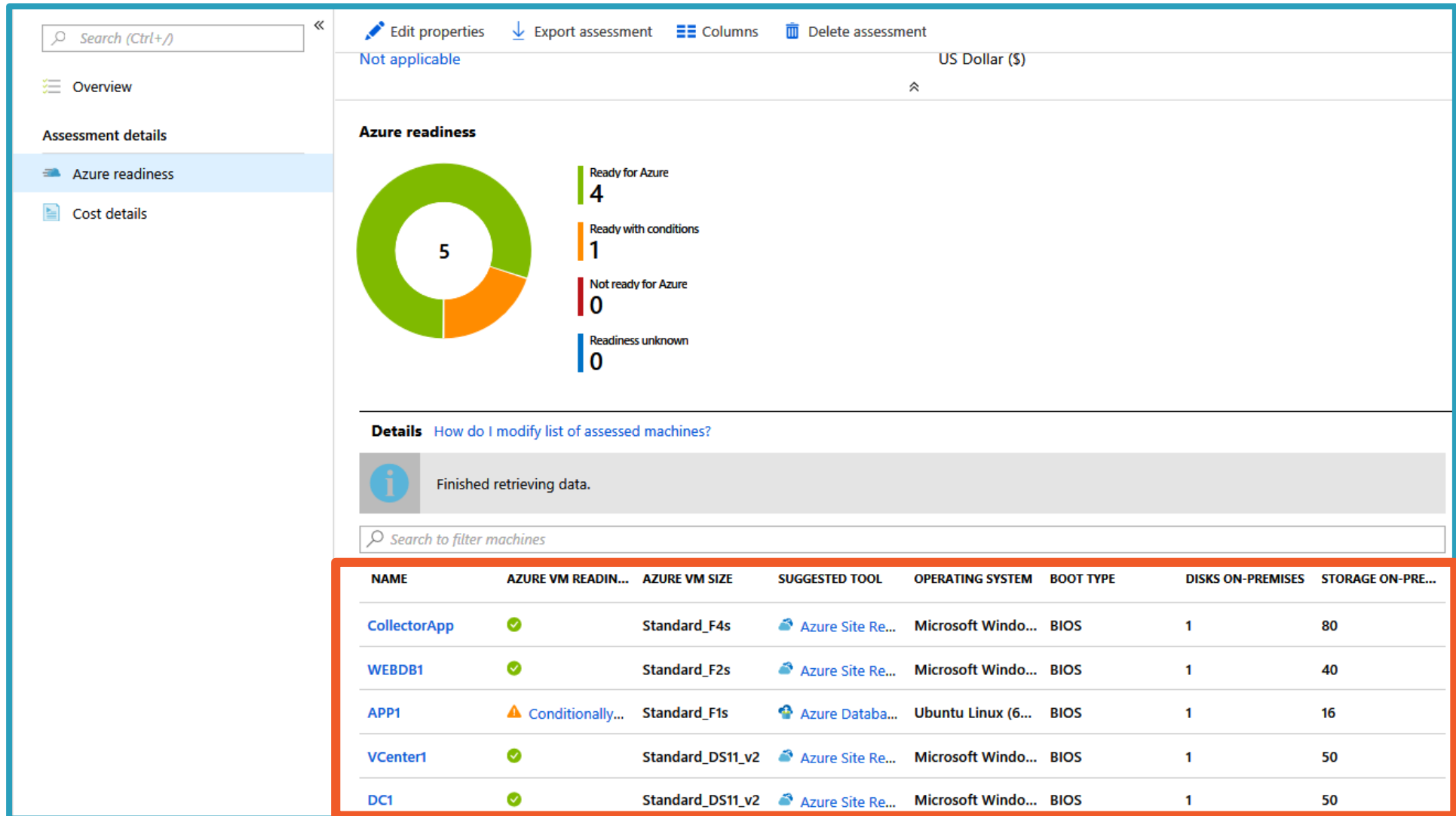
Review Assessment Report



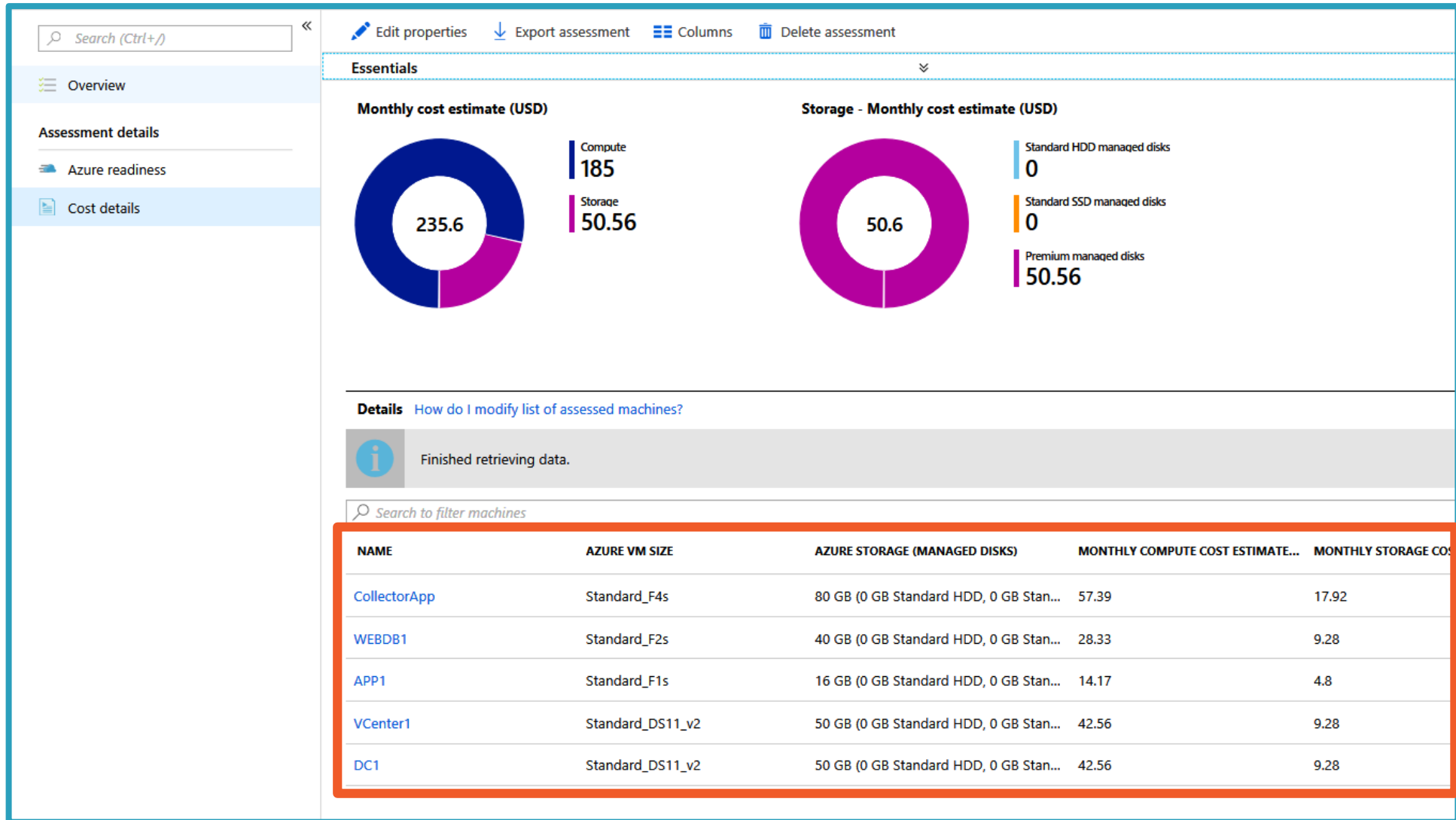
Review Assessment Report



Review Assessment Report



Review Assessment Report



Assessment Properties

[Home](#) > [Contoso-Migrate-1 - Assessments](#) > [assessment_8_3_2018_14_19_57](#) > Edit properties

Edit properties

assessment_8_3_2018_14_19_57

TARGET DETAILS

Target location ⓘ

West US 2 ▼

Pricing tier ⓘ

Standard ▼

Storage type ⓘ

Premium managed disks ▼

Reserved instances ⓘ

3 years reserved ▼

SIZING

Sizing criterion ⓘ

As on-premises ▼

Performance history ⓘ

1 Day ▼

Percentile utilization ⓘ

95th ▼

VM series ⓘ

6 selected ▼

Comfort factor ⓘ

1.3x ▼

PRICING

Offer ⓘ

Pay-As-You-Go ▼

Currency ⓘ

US Dollar (\$) ▼

Discount (%) ⓘ

0 ✓

VM uptime ⓘ

31 ▼

Day(s) per month

24 ▼

Hour(s) per day

Azure Hybrid Benefit

Apply Azure Hybrid Benefit and save up to 49% vs. pay-as-you-go costs with an eligible Windows Server license.

* Already have a Windows Server license? ⓘ

Yes

No



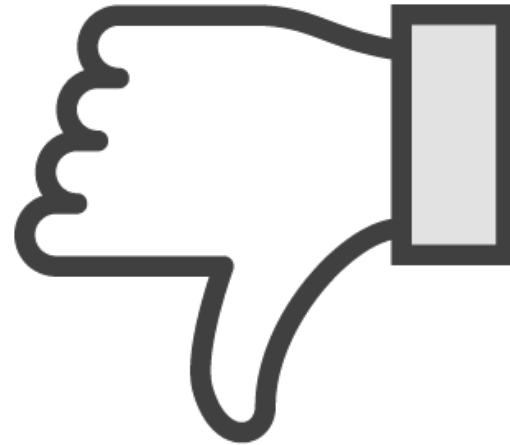
Azure Readiness



Ready for Azure



Conditionally
ready for Azure



Not ready for
Azure



Readiness
unknown

Demo



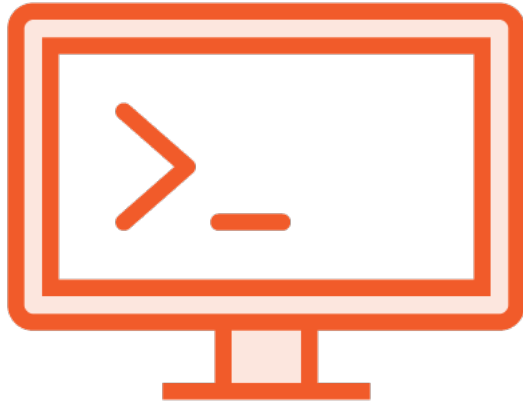
Creating an assessment report



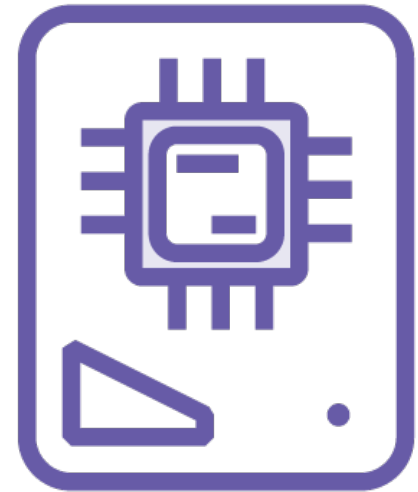
Creating Groups



Based on apps
or function



Operating system
platform



Hardware profile

Creating Groups

[Home](#) > [Contoso-Migrate-1 - Groups](#) > windows-2012-grp

windows-2012-grp
Group

Add machines

Remove machines

Refresh

Create assessment

View assessments

View dependencies

Columns

Delete group

Migration project
[Contoso-Migrate-1](#)

Assessments
1

Group status
Created (Monday, August 6, 2018 11:02:34 AM)

Machines
3

Assessments
1

MACHINES

Demo



Creating high confidence groups



Summary



Configured the Collector appliance for your VMware environment

Identified the prerequisites and obstacles

- Internet connectivity
- PowerCLI
- Time Sync
- vCenter Logging

Created an Assessment in Azure

Created high confidence groups

- OS
- Hardware
- Favorite rock band :D

