

NetVault

Azure Marketplace Deployment Guide

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Legend

 **WARNING:** A WARNING icon indicates a potential for property damage, personal injury, or death

 **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

 **IMPORTANT, NOTE, TIP, MOBILE,** or **VIDEO:** An information icon indicates supporting information.

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Overview

Introduction

This document outlines the recently introduced NetVault Backup 12.3 image on Microsoft Azure. Quest provides this as a way to simplify deployment of NetVault in Microsoft Azure.

The document includes steps to download and deploy the Virtual Machine image.

Scope

This document outlines only the basic steps to access and deploy the Virtual Machine image to the point where NetVault can run. Azure infrastructure configuration including networking is outside the scope of this document.

Supporting Infrastructure

Quest Data Protection also provide the following Virtual Machine images on the Azure Marketplace. These can be used in conjunction with NetVault to extend data protection capabilities;

[QoreStor 5.1](#) - Software-defined secondary storage platform for backup

[Foglight for Virtualization](#) - Visualize, analyze and optimize your infrastructure, including backup.

[Rapid Recovery](#) - Fast backup and instant recovery for demanding RTOs and RPOs

Azure Marketplace Image

The Virtual Machine image can be found here;

https://azuremarketplace.microsoft.com/en-us/marketplace/apps/quest.netvault-windows-12-3?tab=Overview&es_p=9665026

Products > NetVault® Backup 12.3 (Windows)

NetVault® Backup 12.3 (Windows) save for later

Quest

Overview **Plans + Pricing** Reviews

Cloud Ready Data Protection for Hybrid Data Centers

Protect your applications and data in complex IT environments — from one intuitive console — with this scalable backup and recovery solution. NetVault® Backup supports multiple server and application platforms in both physical and virtual environments. That means you can ensure continuous availability of your business-critical systems, applications and data.

With NetVault, you can protect a massive number of servers containing petabytes of data — from one web-based console. It supports multiple operating systems, applications, databases and storage devices. Such cross-platform versatility makes it easy for you to tailor NetVault Backup to match the ever-changing and growing landscape of your IT infrastructure.

NetVault can be deployed on Microsoft Azure public cloud services using this application, as well as on premises on a physical or virtual system.

NetVault supported server platforms:

- Microsoft Windows Server 2012, 2016, 2019, Linux (RHEL, FX, SLES 12 SP3) and other Windows and Linux platforms

NetVault supported client platforms:

- Windows Hybrid and pure 64-bit, most Linux platforms, AIX, Solaris (SPARC and x86/800/84), HP-UX and MAC.

NetVault supported applications and databases:

- Oracle, TQ, Server, Exchange Server, SharePoint, D32, Domino, MySQL, PostgreSQL, Sybase, Teradata, SAP

NetVault supported virtualizations platforms:

- VMware and Hyper-V

Learn more

Products > NetVault® Backup 12.3 (Windows)

NetVault® Backup 12.3 (Windows) save for later

Quest

Overview **Plans + Pricing** Reviews

The cost of running this product is a combination of the selected software plan charges plus the Azure infrastructure costs for the virtual machines on which you will be running this software. Your Azure infrastructure price might vary if you have enterprise agreements or other discounts.

To view pricing in a different currency, [change the billing country/region](#). Costs might vary by deployment region.

Software plan details

NetVault® Backup 12.3 (Windows) BVOL

Enterprise data protection simplified

Pricing by virtual machine instance [Download table as CSV](#)

Show: Publisher recommendations All virtual machine instances

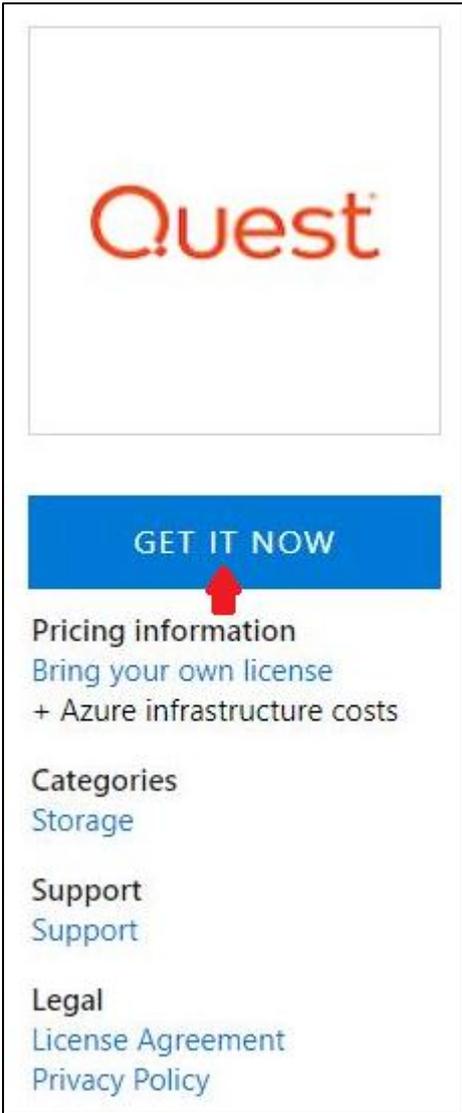
Region: East US The publisher recommends the following 5 virtual machine instances for use with this software plan.

Instance	Category	Cores	RAM	Disk Space	Drive Type	Infrastructure Cost	Software Cost
D5V2*	General Purpose	4	14GB	28GB	SSD	\$0.504	BVOL
D5V3*	General Purpose	8	28GB	56GB	SSD	\$1.008	BVOL
D5V2*	General Purpose	16	56GB	112GB	SSD	\$2.016	BVOL
D8V3*	General Purpose	8	32GB	64GB	SSD	\$0.752	BVOL
D8V3*	General Purpose	16	64GB	128GB	SSD	\$1.504	BVOL

*Premium storage is available for this type of virtual machine. [Learn more](#)

Deploying the Image

Click on "Get it now" to start the deployment of the Virtual Machine Image into an Azure instance



Quest

GET IT NOW

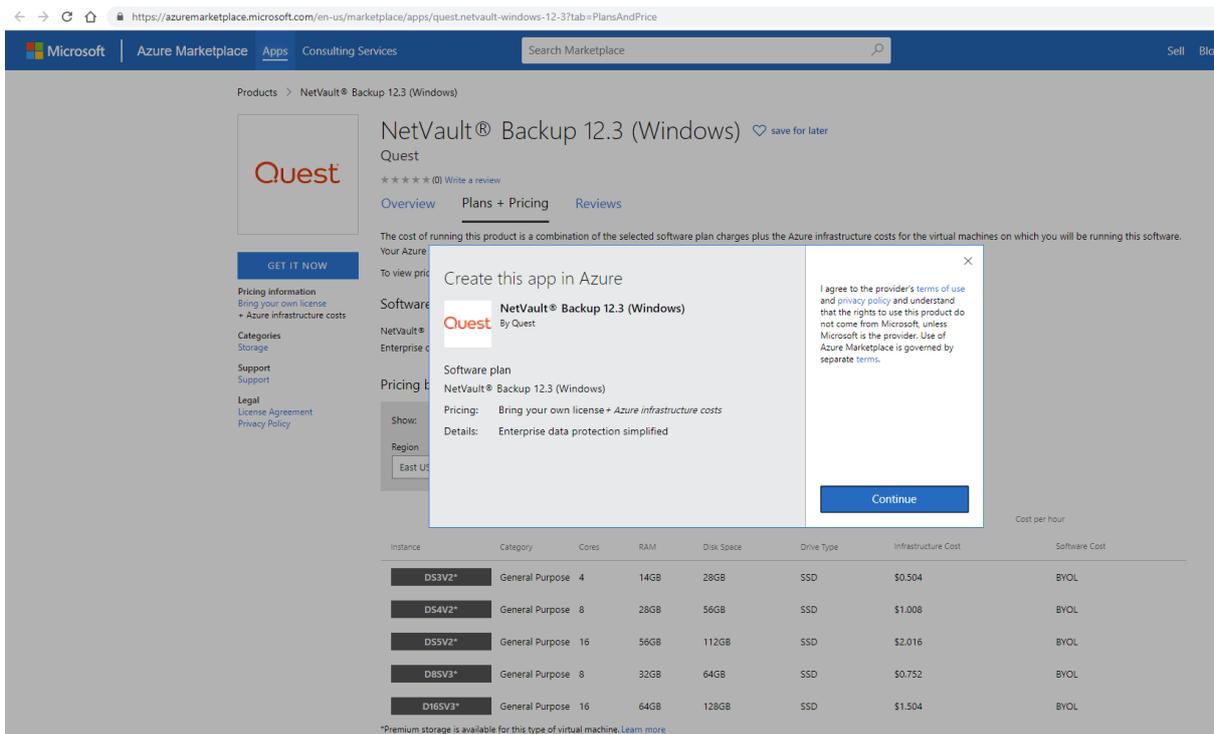
Pricing information
Bring your own license
+ Azure infrastructure costs

Categories
Storage

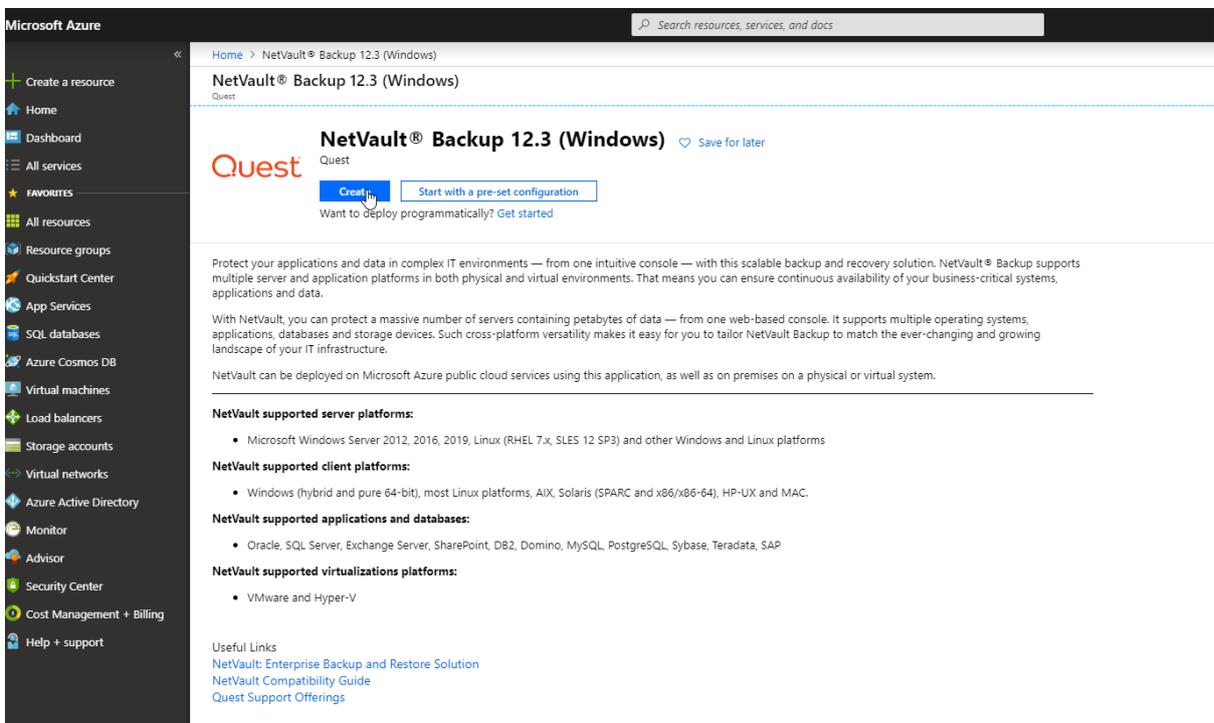
Support
Support

Legal
License Agreement
Privacy Policy

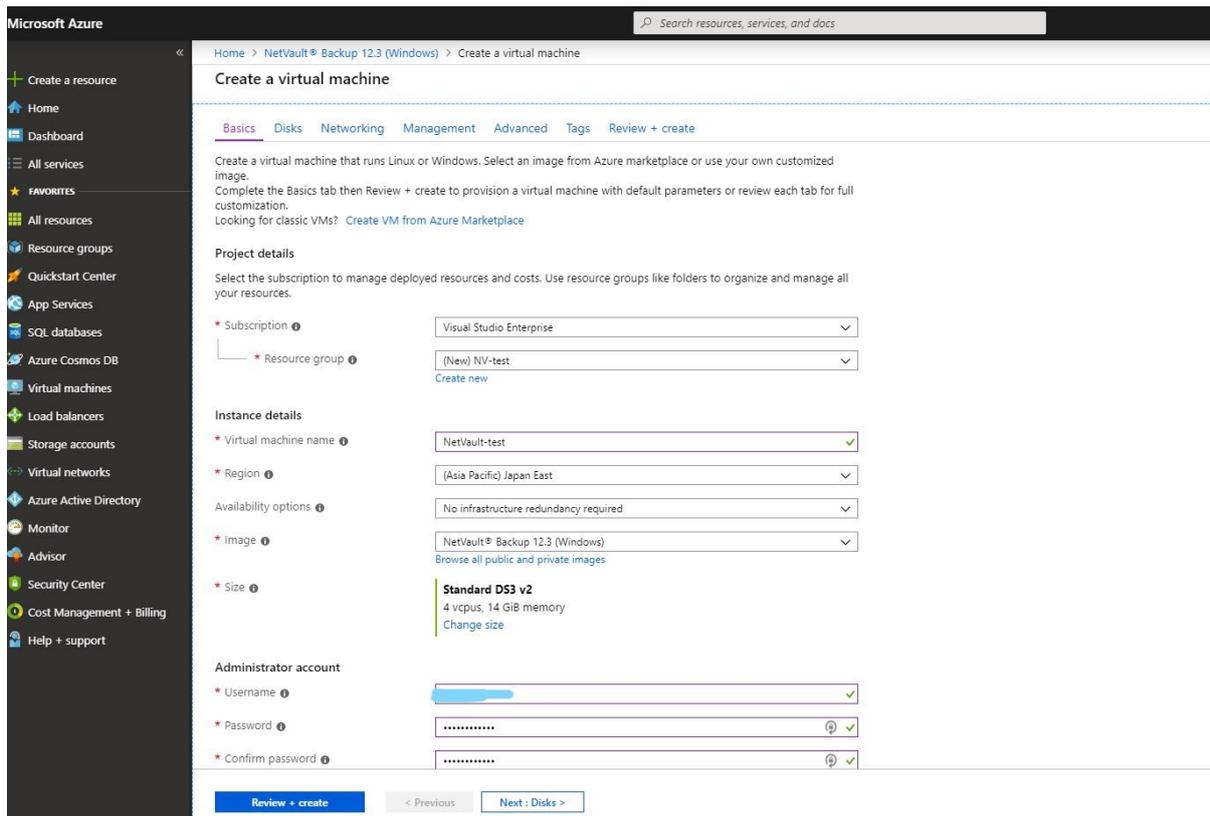
Then click "continue".



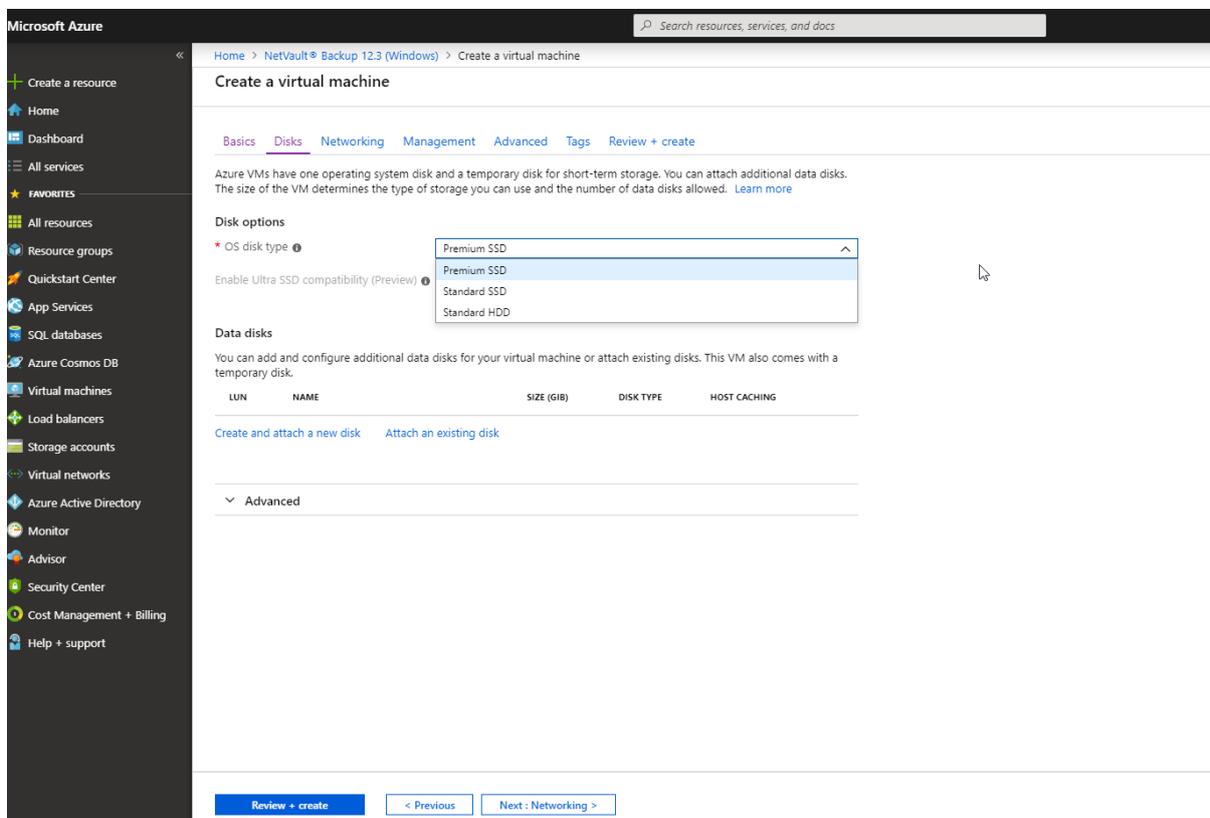
The marketplace will link to your Azure portal. Click “Create” to go with the smallest recommended platform. Click “Start with a pre-set configuration” to select a platform based on Azure’s workload profiles.



On the basics page, set the instance details and administrator account information. You can also change the instance type by clicking on “Change Size”



Next choose the disk type for system disks, and add any additional disks if required. The choice of disk type modifies the operating cost of the instance. Additional disks may be required to store NetVault VTL



Next configure the Network settings. The NetVault Virtual Machine image comes with some pre-configured rules.

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal, specifically the 'Networking' tab. The page is titled 'Create a virtual machine' and has a breadcrumb trail: 'Home > NetVault Backup 12.3 (Windows) > Create a virtual machine'. The 'Networking' tab is selected, and the page content is as follows:

- Define network connectivity:** Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution. [Learn more](#)
- Network interface:** When creating a virtual machine, a network interface will be created for you.
 - Virtual network:** (new) NV-test-vnet (Create new)
 - Subnet:** (new) NV-test-subnet (Create new)
 - Public IP:** (new) NetVault-test-ip (Create new)
 - NIC network security group:** None, Basic, Advanced. A message states: 'This VM image has preconfigured NSG rules.'
 - Configure network security group:** (new) NetVault-test-nsg (Create new)
 - Accelerated networking:** On, Off. A note says: 'The selected image does not support accelerated networking.'
- Load balancing:** You can place this virtual machine in the backend pool of an existing Azure load balancing solution. [Learn more](#)
 - Place this virtual machine behind an existing load balancing solution? Yes No

At the bottom, there are navigation buttons: 'Review + create', '< Previous', and 'Next : Management >'.

Next configure any management settings appropriate for your Azure environment.

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal, specifically the 'Management' tab. The page is titled 'Create a virtual machine' and has a breadcrumb trail: 'Home > NetVault Backup 12.3 (Windows) > Create a virtual machine'. The 'Management' tab is selected, and the page content is as follows:

- Configure monitoring and management options for your VM.**
- Azure Security Center:** Azure Security Center provides unified security management and advanced threat protection across hybrid cloud workloads. [Learn more](#)
 - Enable basic plan for free: Yes No. A note says: 'This will apply to every VM in the selected subscription.'
- Monitoring:**
 - Boot diagnostics: On Off
 - OS guest diagnostics: On Off
 - Diagnostics storage account:** (new) nvtestdiag (Create new)
- Identity:** System assigned managed identity: On Off
- Azure Active Directory:**
 - Auto-shutdown:**
 - Enable auto-shutdown: On Off
 - Shutdown time: 7:00:00 PM
 - Time zone: (UTC) Coordinated Universal Time
 - Notification before shutdown: On Off

At the bottom, there are navigation buttons: 'Review + create', '< Previous', and 'Next : Advanced >'.

Add any additional extensions.

Microsoft Azure

Home > NetVault® Backup 12.3 (Windows) > Create a virtual machine

Create a virtual machine

Basics Disks Networking Management **Advanced** Tags Review + create

Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

Extensions
Extensions provide post-deployment configuration and automation.
Extensions

Cloud init
Cloud init is a widely used approach to customize a Linux VM as it boots for the first time. You can use cloud-init to install packages and write files or to configure users and security. [Learn more](#)

VM generation
Generation 2 VMs (preview) support features such as UEFI-based boot architecture, increased memory and OS disk size limits, Intel® Software Guard Extensions (SGX), and virtual persistent memory (vPMEM).
VM generation Gen 1 Gen 2

The selected image does not support cloud init.

Generation 2 VMs (preview) do not yet support some Azure platform features, including VM backup, Azure Site Recovery, or Azure Disk Encryption.

Add any tags.

Microsoft Azure

Home > NetVault® Backup 12.3 (Windows) > Create a virtual machine

Create a virtual machine

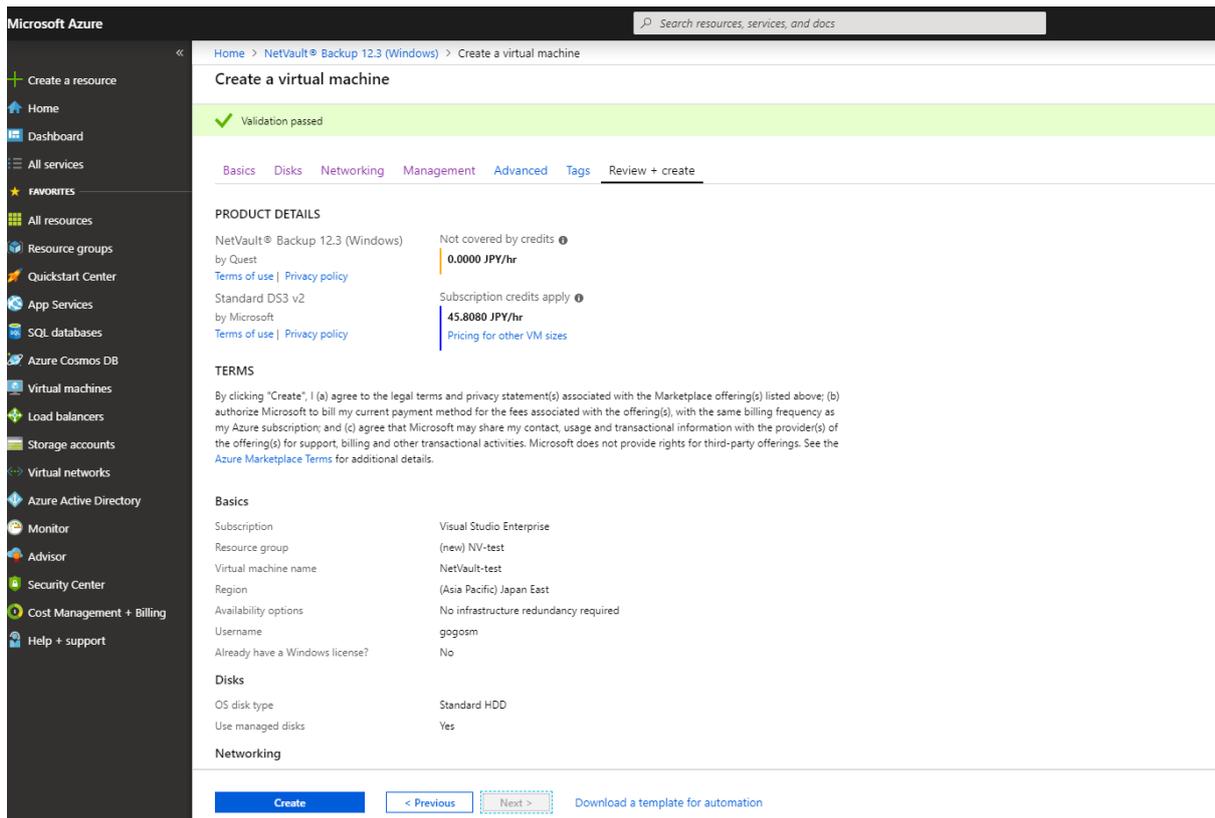
Basics Disks Networking Management Advanced **Tags** Review + create

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

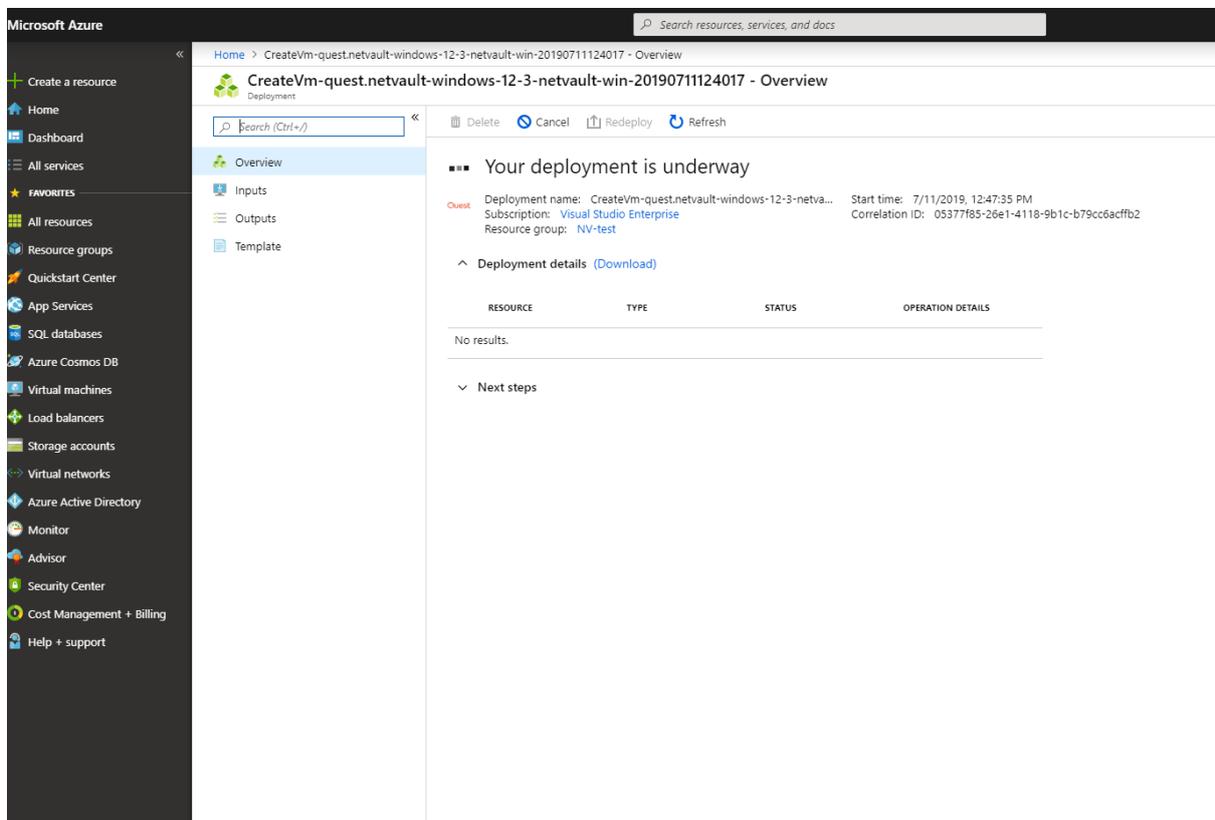
NAME	VALUE	RESOURCE
<input type="text"/>	<input type="text"/>	11 selected

And review the configuration.



Click "Create" to create the instance.

Azure will begin the deployment



And show you the output of the deployment once it is complete.

The screenshot shows the Azure portal interface. The left sidebar contains navigation options like 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main content area displays the 'Overview' page for a deployment. At the top, it says 'Your deployment is complete' with a green checkmark. Below this, there is a table of deployment details and a 'Next steps' section with a 'Go to resource' button.

Deployment Summary:

- Deployment name: CreateVm-quest.netvault-windows-12-3-netva...
- Subscription: Visual Studio Enterprise
- Resource group: NV-test
- Start time: 7/11/2019, 12:47:35 PM
- Correlation ID: 05377f65-26e1-4118-9b1c-b79cc6acffb2

Deployment details (Download)

RESOURCE	TYPE	STATUS	OPERATION DETAILS
shutdown-computevm-Nk	Microsoft.DevTestLab/sc...	Created	Operation details
NetVault-test	Microsoft.Compute/virt...	OK	Operation details
netvault-test796	Microsoft.Network/netw...	Created	Operation details
NetVault-test-nsg	Microsoft.Network/netw...	OK	Operation details
NV-test-vnet	Microsoft.Network/virtu...	OK	Operation details
NetVault-test-ip	Microsoft.Network/publ...	OK	Operation details
nvtestdiag	Microsoft.Storage/stora...	OK	Operation details

Next steps

[Go to resource](#)

At this point, the Virtual Machine image is booted, and NetVault automatically starts.

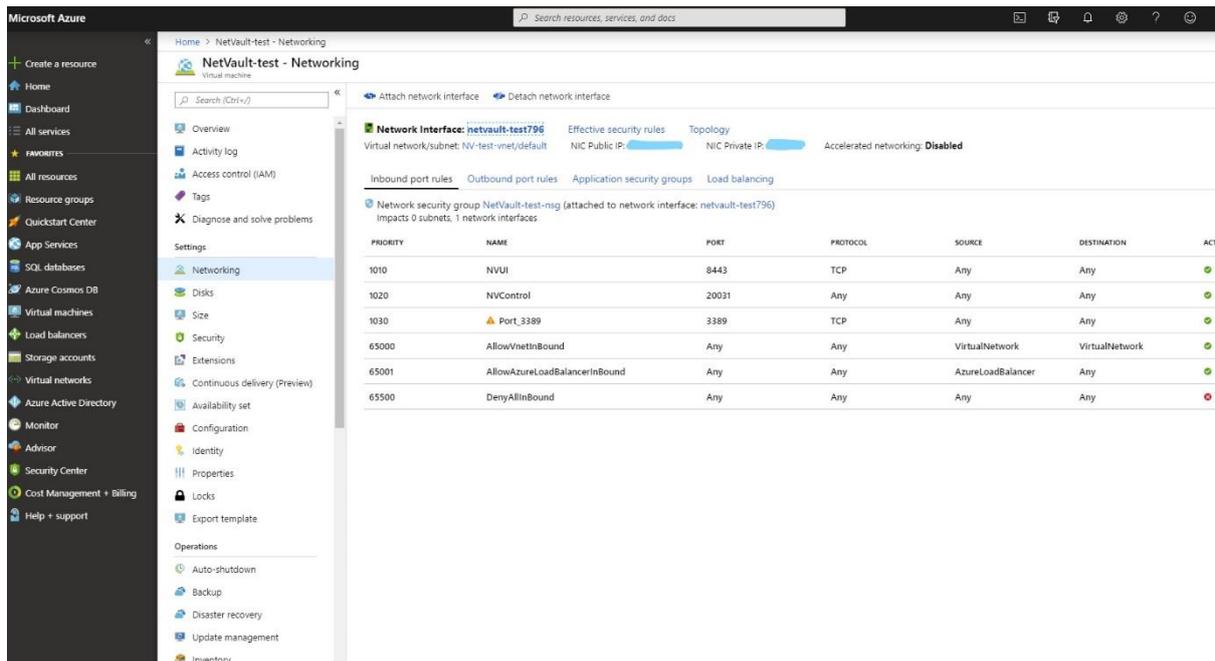
Review the instance

View the Virtual Machine instance in the Azure portal to see all the information about the instance.

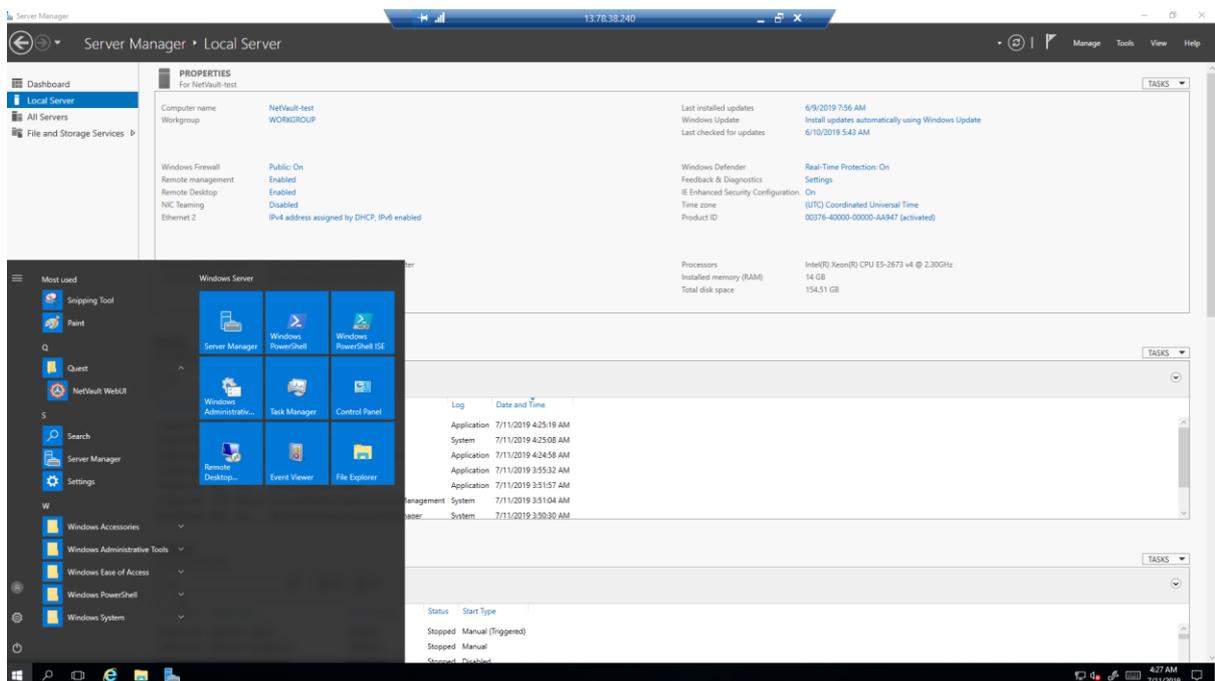
The screenshot displays the Azure portal interface for a Virtual Machine instance named 'NetVault-test'. The left sidebar shows the navigation menu with categories like 'All services', 'Favorites', 'All resources', 'Resource groups', 'Quickstart Center', 'App Services', 'SQL databases', 'Azure Cosmos DB', 'Virtual machines', 'Load balancers', 'Storage accounts', 'Virtual networks', 'Azure Active Directory', 'Monitor', 'Advisor', 'Security Center', 'Cost Management + Billing', and 'Help + support'. The main content area shows the 'Overview' tab for the VM. Key details include: Resource group: NV-test, Status: Running, Location: Japan East, Subscription: Visual Studio Enterprise, and Subscription ID: d77af67d-c3a9-4f03-9a0f-14a2c15fd74. Performance metrics are shown for CPU (average), Network (total), Disk bytes (total), and Disk operations/sec (average). The CPU graph shows 0% usage, Network shows 0 bytes, and Disk shows 0 bytes. The 'Operations' section includes options like Auto-shutdown, Backup, Disaster recovery, Update management, and Inventory.

If required, configure remote access to the operating system of the instance according to your company policies.

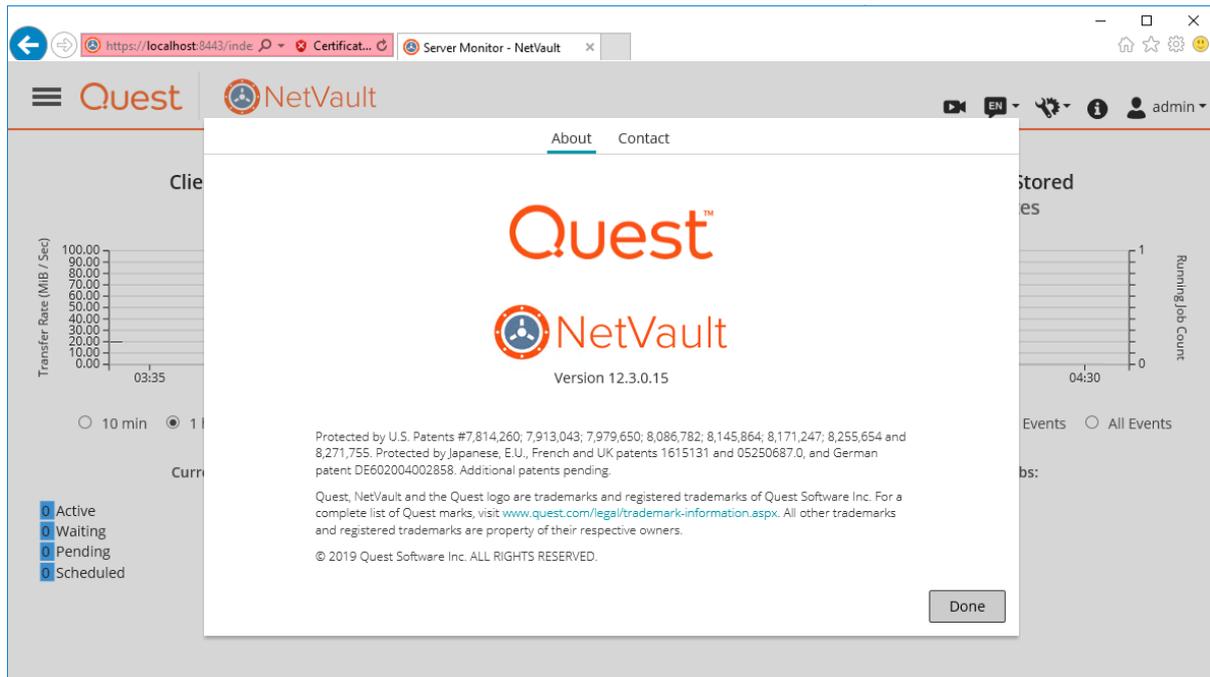
The NetVault Virtual Machine Image comes with some pre-configured Network rules. In this example, RDP is also configured. Your network policy may not allow RDP access enabled, this is just an example.



Using RDP to access the Virtual Machine, you can see that the OS is configured and NetVault already deployed.



And finally, access the NetVault UI.



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Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece — you — to the community, to the new Quest.

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The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product.