Restore Azure VM Instance via ad-hoc snapshot

- Overview
- Problem
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Overview

Platform:	Azure
Owner of this SOP:	Fully Managed POD A
Cloud Services:	Domain Joined Virtual Machines

Problem

When requesters are asking for their Domain Joined Virtual Machines need snapshot before they make any changes on application side. This
is will help for immediate recover.

tester	Reviewer
@ Ramkumar Samudram (Deactivated)	

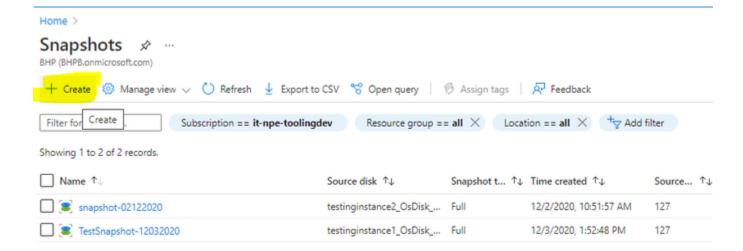
Process:

Raise a Normal Change Request

Please open a Normal change request and get it approved before executing the resize activity. And respective stake holders and application
owners should be informed prior to this activity as downtime is required for VM.

Solution

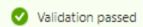
- If possible, create the Azure snapshot when the machine is powered off -- it makes the disk more consistent.
- To create an Azure VM snapshot, Use the search function in Azure Portal and type in "snap" to take a basic snapshot. This will highlight the snapshot blade. Click on the link to open the required blade,



• Select the resource group to which the server belongs.

- Give the snapshot a name.
- Select which disks you need and create the snapshot.

Create snapshot



Basics Encryption Networking Tags Review + create

Basics

Subscription it-npe-toolingdev

Resource group it-aue1-npe-arg-fmpodawin2019

Region Australia East

Name MAUE10ETPOD001OSDiskSnapshot

Source subscription it-npe-toolingdev

Source type disk

Source disk MAUE10ETPOD001-osdisk

Security type Standard
Storage type Standard_LRS

Snapshot type Full

Encryption

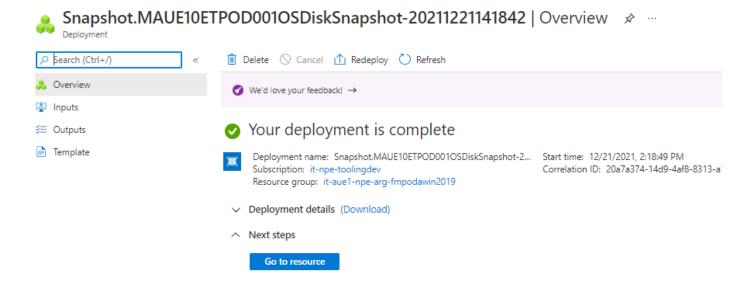
Encryption type Platform-managed key

Create

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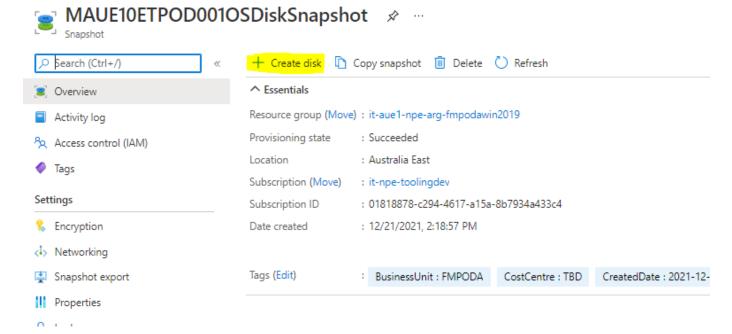
Download a template for automation



Restore the VM from snapshot

To convert the snapshotted disk to a fully managed disk, navigate to the snapshot and click create disk.

Home > Snapshot.MAUE10ETPOD001OSDiskSnapshot-20211221141842 >



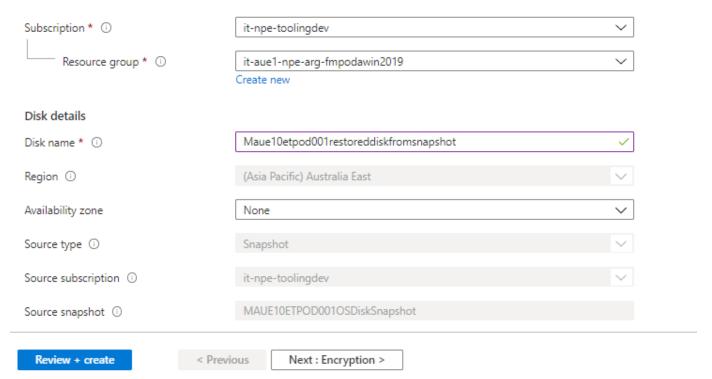
· The only additional item required is a disk name. Give it an appropriate name and submit the request.

Create a managed disk

Select the disk type and size needed for your workload. Azure disks are designed for 99.999% availability. Azure managed disks encrypt your data at rest, by default, using Storage Service Encryption. Learn more about disks.

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.



Create a managed disk



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Basics

Subscription it-npe-toolingdev

Resource group it-aue1-npe-arg-fmpodawin2019

Region Australia East

Disk name Maue10etpod001restoreddiskfromsnapshot

Availability zone None
Source type Snapshot

Source subscription it-npe-toolingdev

Source snapshot MAUE10ETPOD001OSDiskSnapshot

Security type Standard

Size

Size 128 GiB

Performance tier P10 - 500 IOPS, 100 MBps (default)

Storage type Premium SSD LRS

Create

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Microsoft.ManagedDisk-20211221142850 | Overview Deployment Which is present to the property of the property

Next steps

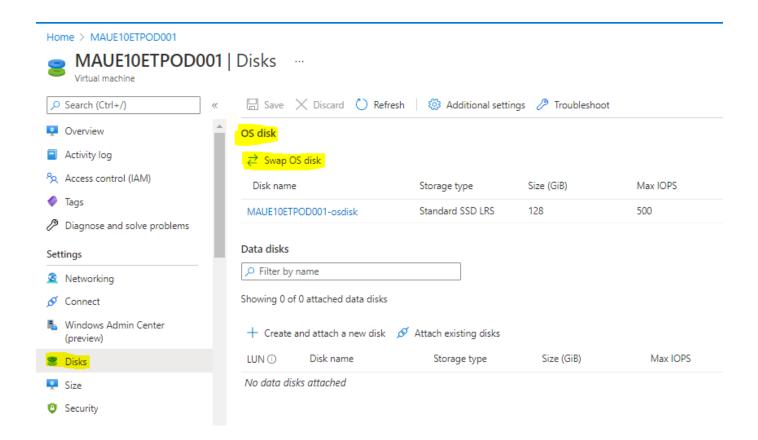
Resource group: it-aue1-npe-arg-fmpodawin2019

Deployment details (Download)

Go to resource

Changing the OS disk

· Once the disk is created, the next step is swap the OS disk with newly managed disk which was restored from snapshot.



Home > MAUE10ETPOD001 >

Swap OS Disk

Swap the OS disk for a backup disk or another disk for VM troubleshooting, Learn more.

Choose disk *

Maue 10 et pod 001 restored disk from snapshot





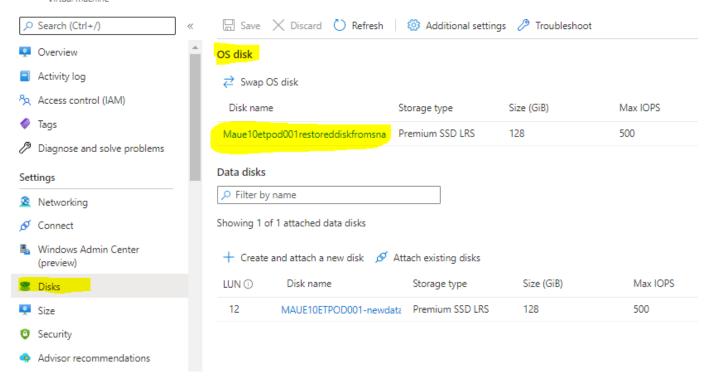
This VM will be stopped (deallocated) and the OS disk will be replaced. Any existing data on the OS disk will be lost.

Confirm you want to swap the OS disk for this VM by entering the name of the vm 'MAUE10ETPOD001'

MAUE10ETPOD001







· Power on the VM from Azure Portal once swap disk activity complete. Logon to the server and validate it.

Related articles

- Create a Linux VM from Snapshot
- Rightsizing Domain Joined Linux VMs Secondary Storage (Upsize)
- Instance Management Terminate Virtual Machine
- Creating Azure File share with Private Endpoint and Storage account
- Rightsizing Domain Joined Windows VMs Data Disk (Upsize)