On-demand backup of Azure VM instance

Overview

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

Problem

- When we have an alert/notification of scheduled backup fail or requesters are asking on-demand backup of Virtual Machines before any maintenance activity. This is will help for immediate recover.

tester	Reviewer
@ Subhankar Ghosh	

Process

Raise an Incident/Standard change request

- Please open a incident/standard change request and get it approved before executing the resize activity.

Solution 🌱

- Receiving backup alert notification: pending
- Check last backup status and error details(alerts and jobs).
- Go to VM instance backup Alerts/Jobs

☁ **MAUE10ETPOD011** ···
Backup Item

🔄 Backup now   🔄 Restore VM   🔄 File Recovery   🚫 Stop backup   🔄 Resume backup   🗑 Delete backup data   🔄 Restore to Secondary Region   🔄 Undelete

🧭 For backups, try our new Backup Center. It offers Azure Backup customers a unified view of Recovery Services Vaults used for backup in Azure. It also provides improved sorting and filter capabilities. Click here to get the new experience.

⌃ **Essentials**

Recovery services vault	: it-aue1-npe-rsv-grs	Backup Pre-Check	: ✅ Passed
Subscription (move)	: it-npe-toolingdev	Last backup status	: ✅ Success 3/8/2022, 3:48:00 PM
Subscription ID	: 01818878-c294-4617-a15a-8b7934a433c4	Backup policy	: AU_Non-Production_VM
Alerts (in last 24 hours)	: View alerts	Oldest restore point	: 2/10/2022, 12:24:16 PM (26 day(s) ago)
Jobs (in last 24 hours)	: View jobs		

- Go to VM instance Backup backup now

MAUE10ETPOD011 | Backup
Virtual machine

Search (Ctrl+/)

- **Backup now** | Restore VM | File Recovery | Stop backup | Resume backup | Delete

- Properties
- Locks

Operations

- Bastion
- Auto-shutdown
- Backup

For backups, try our new Backup Center. It offers Azure Backup customers a unified view of Recovery Services Vault improved sorting and filtering along with new governance capabilities. Click here to get the new experience.

Alerts and Jobs

View all Alerts (last 24 hours)

View all Jobs (last 24 hours)

Backup status

Backup Pre-Check ✓ Passed

Last backup status ✓ Success 2/14/2022, 3:43:43 PM

Backup now
MAUE10ETPOD011

Retain backup till * ⓘ

03/16/2022

- After initiating backup, it will go through two process .

1. Take snapshot

2. Transfer to data vault.

- Take snapshot - it is incremental instant snapshot to local storage and fast process(approx. 10-15 Minutes depending on data)
- Transfer data to vault - it is full backup transfer from local storage to vault. It take more time as it is full backup.

Backup ···
MAUE10ETPOD011

↻ Refresh   ✕ Cancel   ⬆ Deploy Template

Job details

VM Name	MAUE10ETPOD011
Recovery Point Expiry Time in UTC	3/16/2022 1:43:59 PM
Activity ID	9080dd11-21e6-4c5c-9ce1-3c4b9032e010

Sub tasks

Name	Status
Take Snapshot	🔄 In progress
Transfer data to vault	🕐 Not started

Sub tasks

Name	Status
Take Snapshot	✅ Completed
Transfer data to vault	🔄 In progress

- Whenever snapshot is completed it will create one restore point from where we can restore both OS and data disk.

Resource group : AzureBackupRG_australiaeast_1		Restore point collection : AzureBackup_MAUE10ETPOD011_1660731165	
Subscription : it-npe-toolingdev		Included disks : 2	
Subscription ID : 01818878-c294-4617-a15a-8b7934a433c4		Consistency mode : FileSystemConsistent	
Status : Succeeded			
Create time : 2/14/2022, 7:14:17 PM			

🔍 [   ]   Showing 2 of 2 disks

Disks	Size(GiB)	Storage account type	Restore disk
MAUE10ETPOD011-osdisk	64	StandardSSD_LRS	Create disk from a restore point
MAUE10ETPOD011-data	32	Standard_LRS	Create disk from a restore point

- Check both the steps(1. snapshot & 2. transfer data to vault) are completed.

Backup ···
MAUE10ETPOD011

🔄 Refresh   ✕ Cancel   ⬆ Deploy Template

Job details

VM Name	MAUE10ETPOD011
Backup Size	191 MB
Activity ID	65b401d2-8f2a-455e-a4bd-5baee944d863

Sub tasks

Name	Status
Take Snapshot	✅ Completed
Transfer data to vault	✅ Completed

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)