1. A. Schedule a Daily backup of VM at 3:AM using vault

   Resources :
   https://www.youtube.com/watch?v=IzVQ3NqMnTEhttps://learn.microsoft.com/en-us/training/paths/azure-administrator-monitor-backup-resources/

2. 1. Create an Alert rule for VM CPU percentage: Criteria: CPU% MoreThan 80 There Should be analert on Email."

3. B.Provision backups in backup center

4. 1. Schedule a Daily backup of VM at 3:AM using vault. Configure Retention period in backup policy and retain an old backup

5. A. Schedule a Daily backup of VM at 3:AM using vault

   Resources :
   https://www.youtube.com/watch?v=A0jAeGf2zUQhttps://learn.microsoft.com/en-us/training/paths/azure-administrator-monitor-backup-resources/

6. 1. Create an Alert rule for VM CPU percentage: Criteria: CPU% MoreThan 80 There Should be analert on Email."

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8. 1. Schedule a Daily backup of VM at 3:AM using vault. Configure Retention period in backup policy and retain an old backup

9. A. Schedule a Daily backup of VM at 3:AM using vault

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6. 1. Schedule a Daily backup of VM at 3:AM using vault. Configure Retention period in backup policy and retain an old backup

Here's a step-by-step plan to schedule a daily backup of a VM and create an alert rule for VM CPU percentage:

Schedule a Daily Backup of VM at 3:00 AM Using Vault

- **Resources:**
  - [Azure Backup](#)
  - [Azure Backup Center](#)

Steps to Schedule a Daily Backup:

1. **Create a Recovery Services Vault:**
   - Open the Azure Portal.

- o Navigate to **Recovery Services vaults**.
- o Click on **Add** and fill in the required details to create a new Recovery Services vault.
2. **Configure Backup:**
   - o Navigate to the newly created Recovery Services vault.
   - o Click on + **Backup**.
   - o Select **Azure** as the workload running and **Virtual machine** as the workload type.
   - o Click on **Backup**.
3. **Create a Backup Policy:**
   - o In the **Backup** configuration blade, click on **Create a new policy**.
   - o Set the **Backup schedule** to daily and the **Backup time** to 3:00 AM.
   - o Configure the **Retention range** according to your requirements.
   - o Save the backup policy.
4. **Enable Backup for VM:**
   - o Go to the **Backup** blade of the Recovery Services vault.
   - o Select the **Backup policy** you created.
   - o Select the VMs you want to back up.
   - o Click on **Enable backup**.

Create an Alert Rule for VM CPU Percentage

- **Resources:**
  - o [Azure Monitor](#)
  - o [Azure Alerts](#)

Steps to Create an Alert Rule:

1. **Navigate to Azure Monitor:**
   - o Open the Azure Portal.
   - o Navigate to **Monitor**.
2. **Create a New Alert Rule:**
   - o In the Monitor blade, click on **Alerts**.
   - o Click on + **New alert rule**.
3. **Select Resource:**
   - o In the **Create alert rule** blade, click on **Select resource**.
   - o Choose the VM you want to monitor.
4. **Define Condition:**
   - o Click on **Add condition**.
   - o Select **Percentage CPU** under **Signal**.
   - o Set the **Threshold value** to 80 and the **Operator** to **Greater than**.
5. **Configure Action Group:**
   - o Click on **Add action group**.
   - o Fill in the required details.
   - o In **Action type**, select **Email/SMS message/Push/Voice**.
   - o Provide the email address to receive the alerts.
6. **Create Alert Rule:**

- o Give the alert rule a name and description.
- o Click on **Create alert rule** to save.

Provision Backups in Backup Center

- **Resources:**
  - o [Azure Backup Center](#)
  - o [Azure Backup Center Overview](#)

Steps to Provision Backups:

1. **Navigate to Backup Center:**
   - o Open the Azure Portal.
   - o Navigate to **Backup Center**.
2. **Configure Backup Policies and Retention:**
   - o In Backup Center, click on + **Policy**.
   - o Create a new backup policy, set the **Backup schedule** to daily at 3:00 AM, and configure the **Retention period**.
   - o Save the policy.
3. **Assign Policy to VM:**
   - o Navigate to the **Backup** section in Backup Center.
   - o Assign the backup policy to the VM.

By following these steps, you will be able to schedule daily backups of your VM at 3:00 AM, create an alert rule for CPU percentage, and provision backups in the Backup Center with a configured retention period.