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# Article

## Creating Backup And Recovery Vault In Azure

By **Kishore Chowdary** on **Feb 03 2017**

### Introduction

In the following article, we are going to learn the concept of creating a backup recovery vault for your data in the on-premises or the VM in Azure. Here, I have explained the concept using the VM in Azure. So, I need you to configure a VM on your Azure portal. If you know the concept of creating a new VM, then go for it. If you are not familiar with the VM creation, then go to the following links.

- Creating Virtual Network In Microsoft Azure
- Creating Virtual Machine In Azure Portal In A Virtual Network

Once you finish creating the VM, go for the process of creating the recovery vault for your VM. Let us see this in detail.

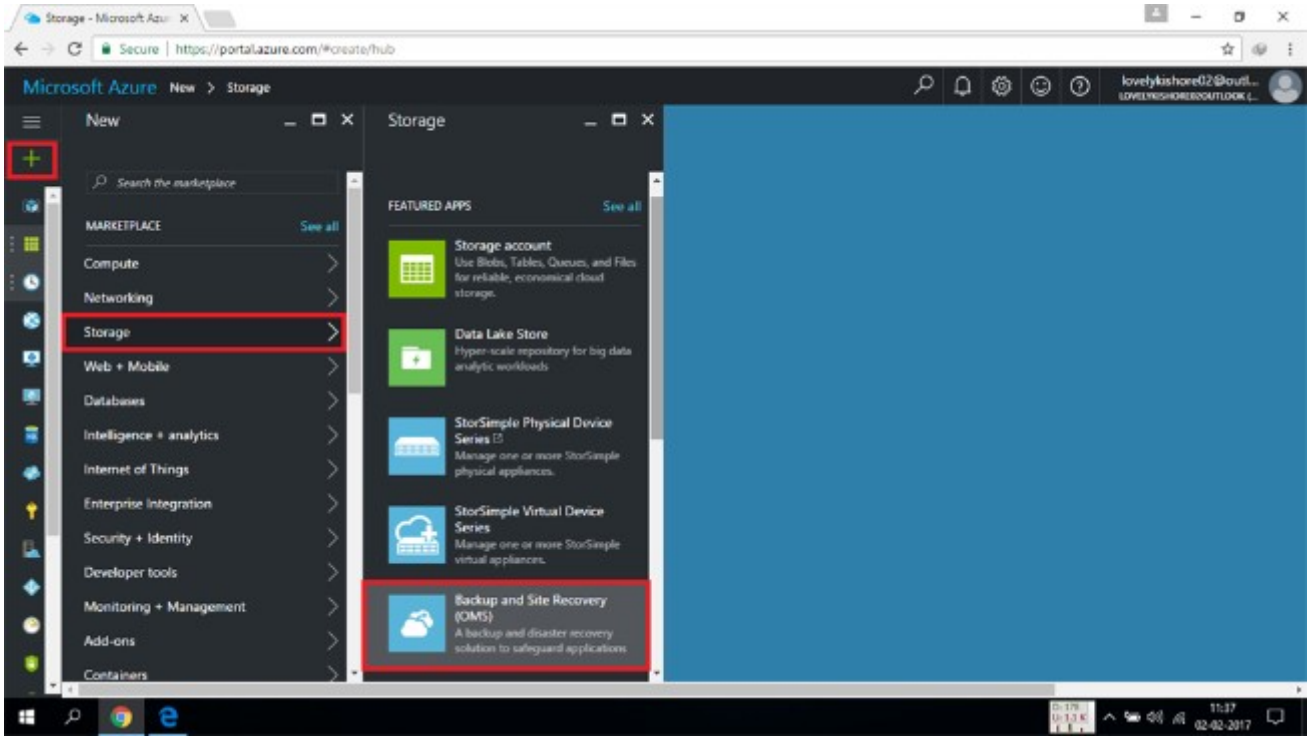
### Backup Vault

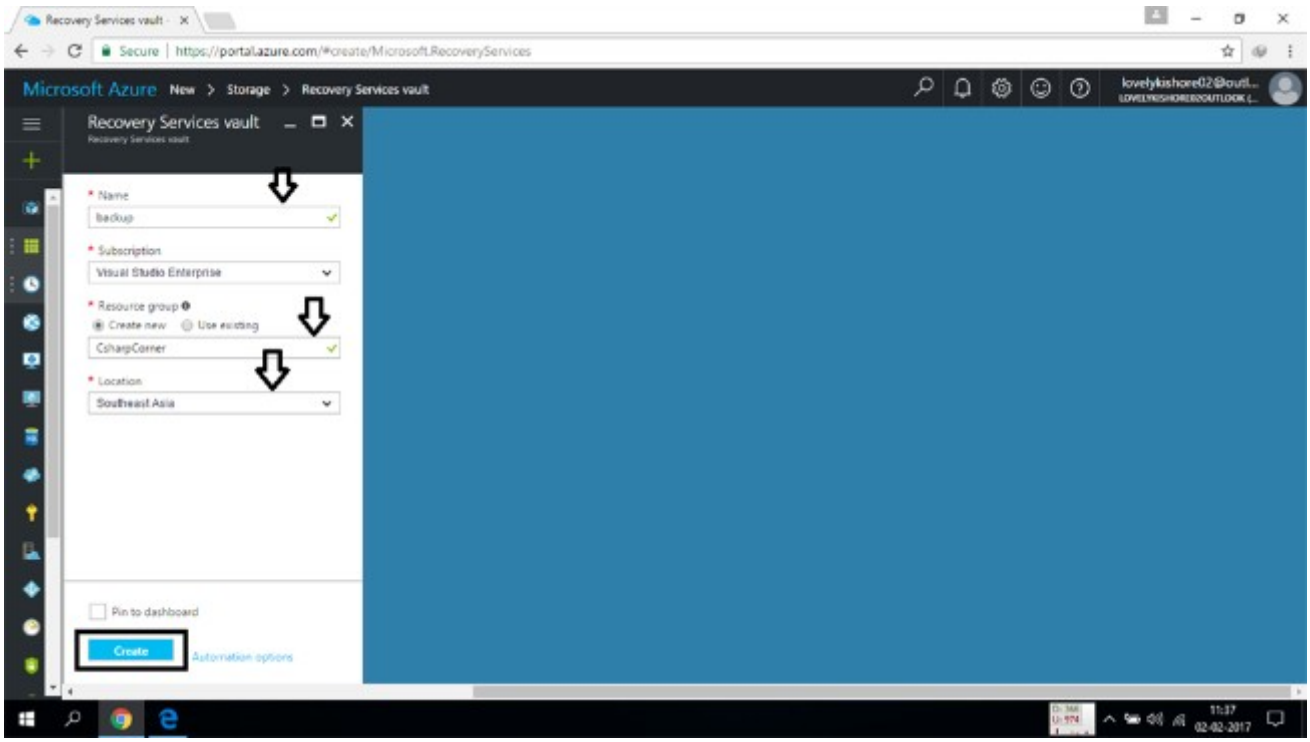
A backup recovery vault is used to take backup for all the files and software including your VM. You can take backup of anything you like. Once you create a recovery vault for your VM or on premises devices in a scheduled time, all the data for your corresponding device will get stored in the Azure backup vault. This backup vault can be used for recovering your data when some disaster happens in your services or if your data gets corrupted.

### Creating backup and site recovery

A backup and site recovery option is created in the Azure portal as follows.

- Log into your portal and click on New >> Storage >> Backup and Site Recovery .
- This will let you create a new backup vault.
- In a new window, you will be asked to enter your vault name, resource group, and the location. Once you select all these, click on the "Create" button.

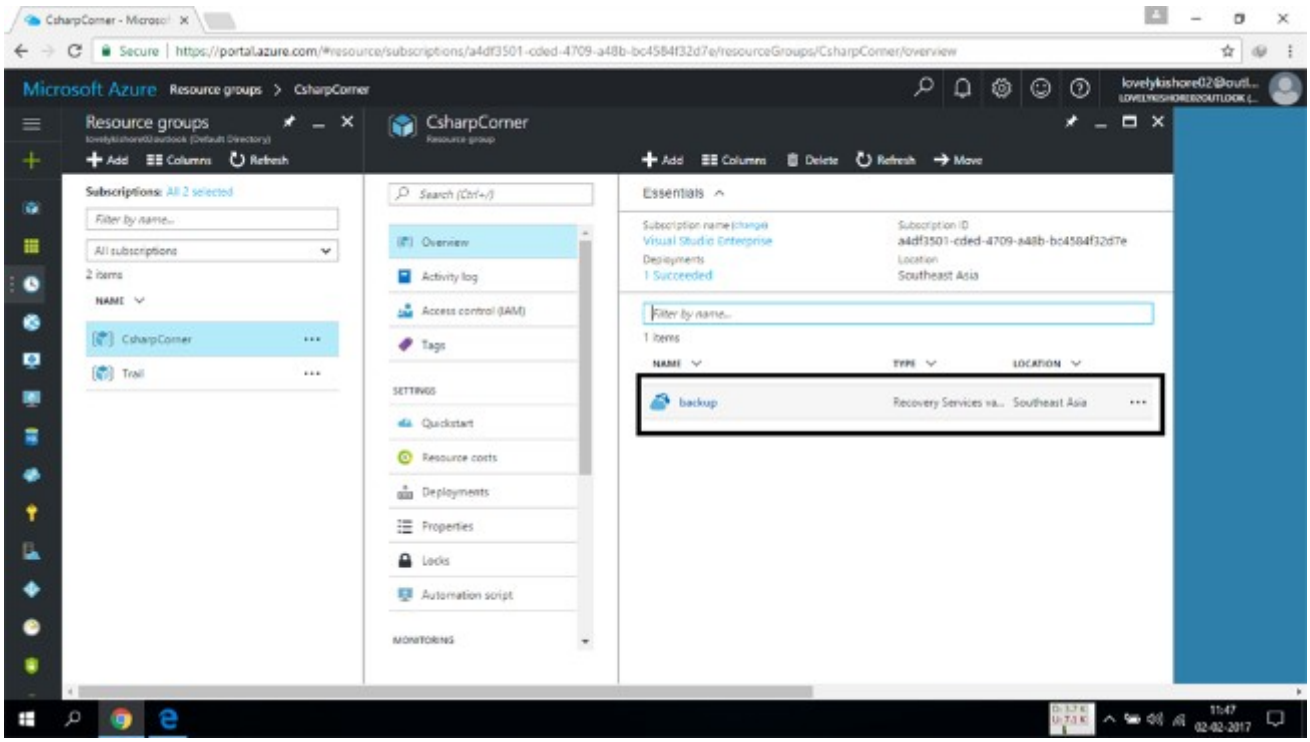


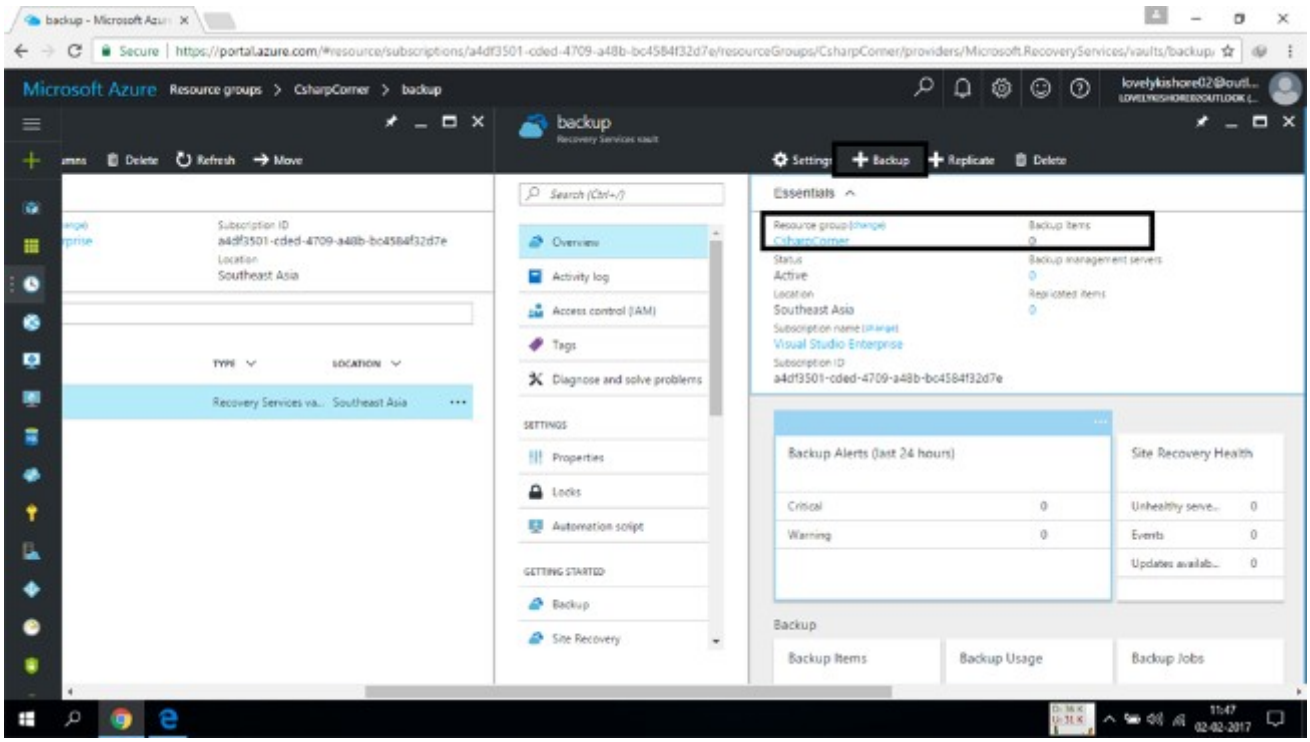



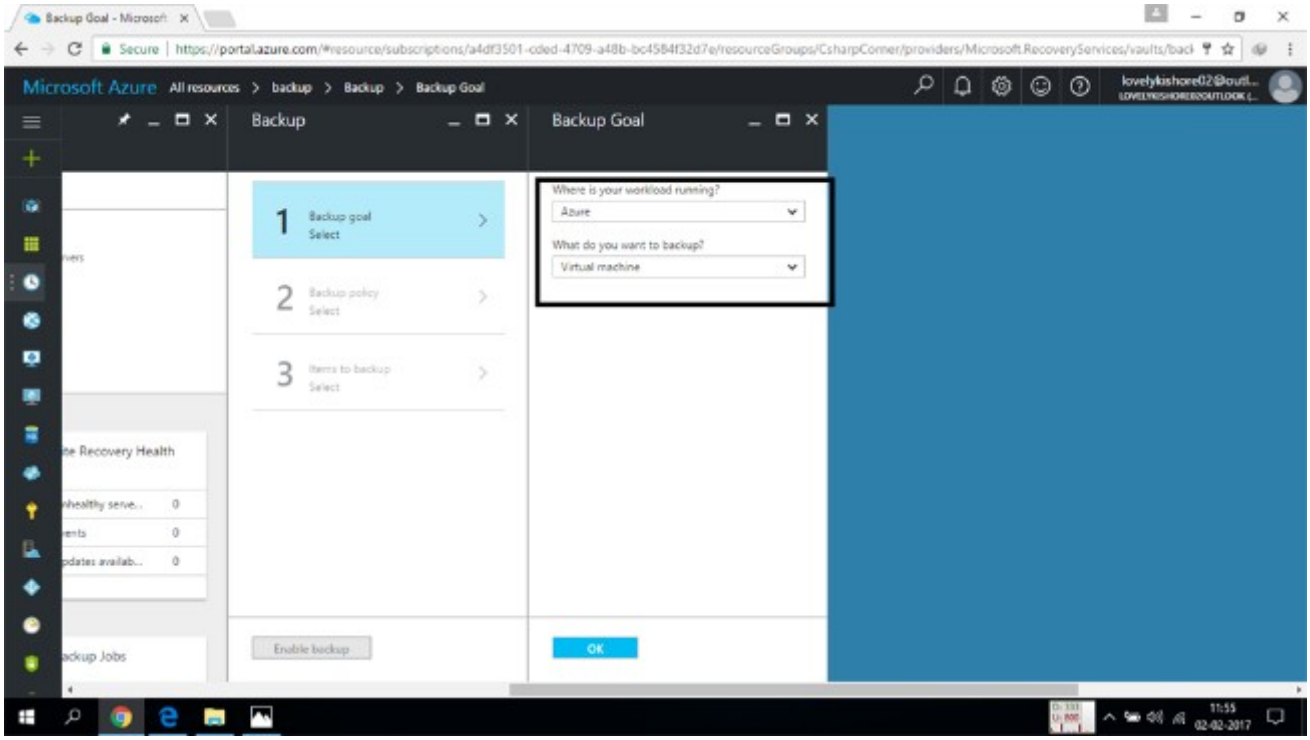

**Configuring backup machines to the vault**

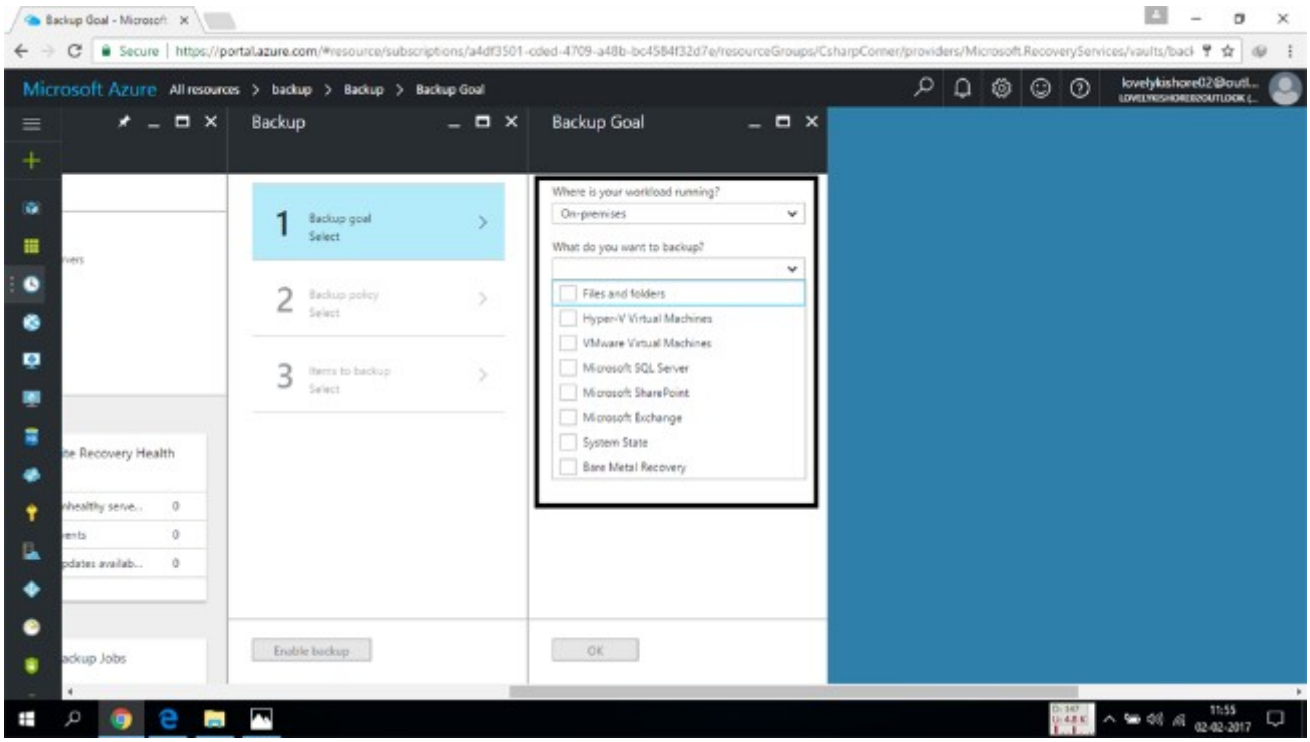
- Once you finish the vault creation process, click on "All Resources" and find the backup vault which you have created. There, you will be shown a window with all the configurations which you want to make for your backup vault.
- In the screenshot below, I have highlighted the place which shows you about the details of all the machines connected to the vault. There, it is zero now.
- Once you configure your machine, the value will be changed. To add a backup to the vault, click on the "+ Backup" option at the top of that window.

- This will now show you a window where you will be asked to select the data which you need to take backup of. You can choose either the VMs in Azure or you can even choose the local on-premises data.
- I have shown both of them in the screenshots below. But here, we are going to make use of the VM in the Azure portal. Now, click on the OK button.

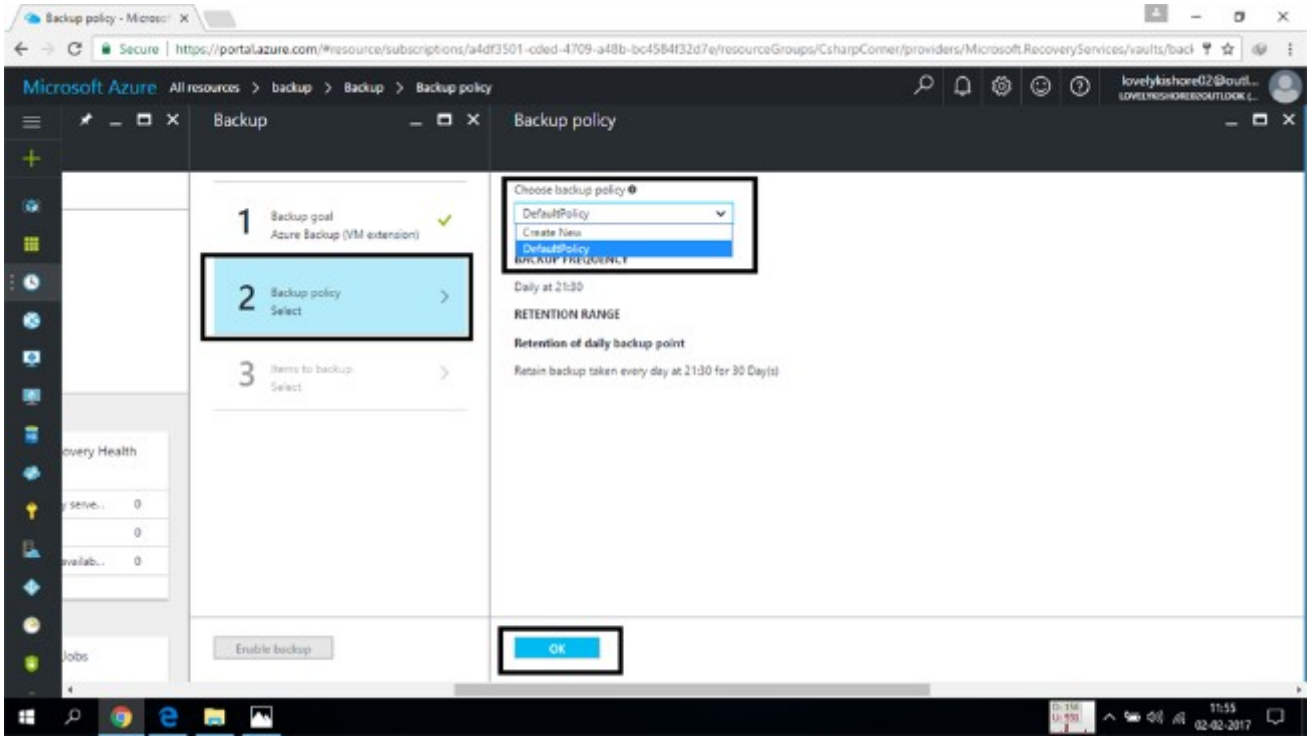


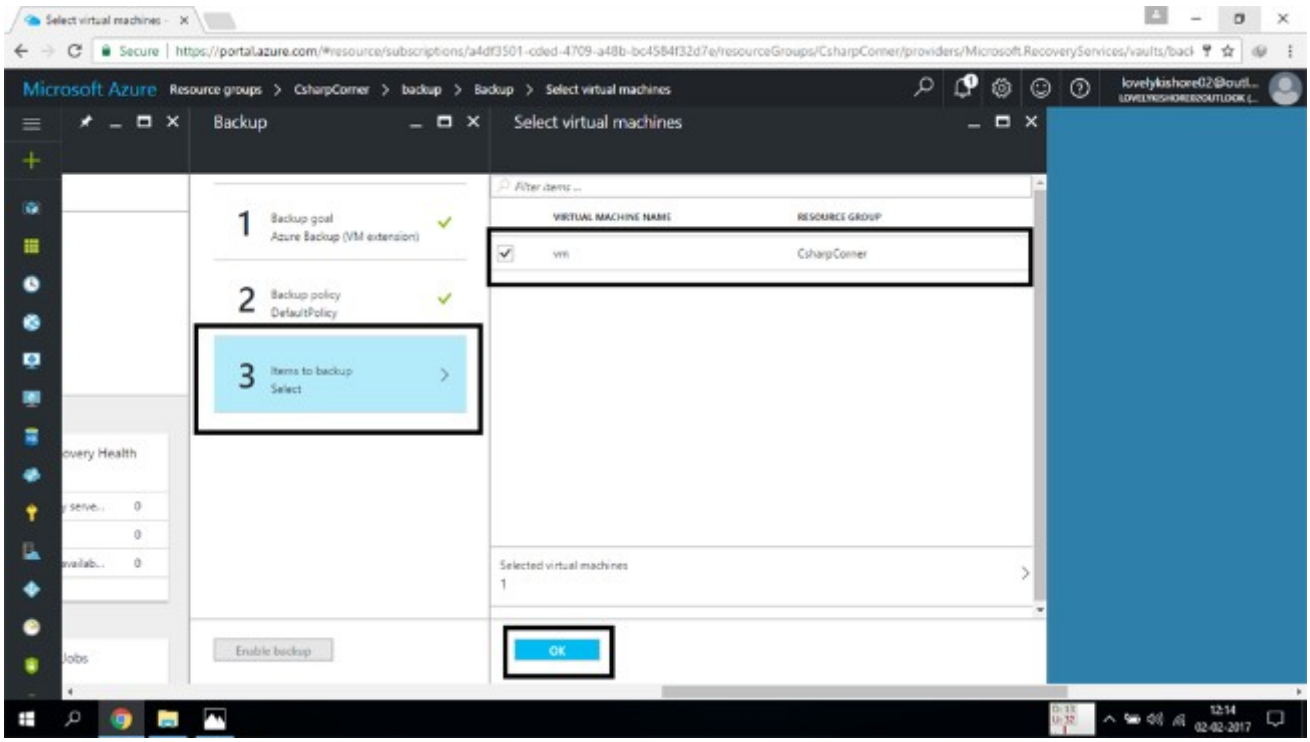



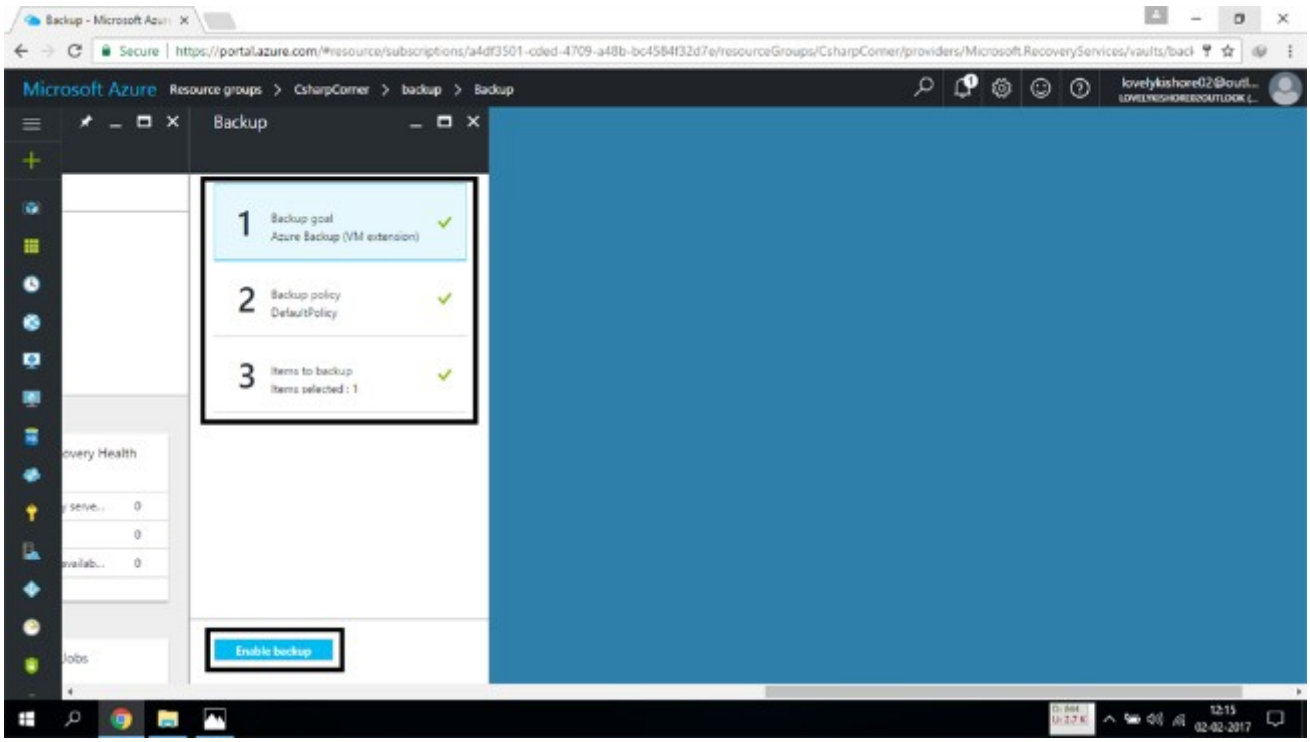



- The next one is the data recovery policy. You can leave it unchanged if you want. This will lead you to have a data backup at 9 am every day.
- You can even customize it and can change it according to your need.
- Finally, in the items for backup, choose the VM which you have already created in the Azure portal and then, click on the "OK" button. This will verify all the credentials.
- Once you get verified, click on the Enable Backup option.

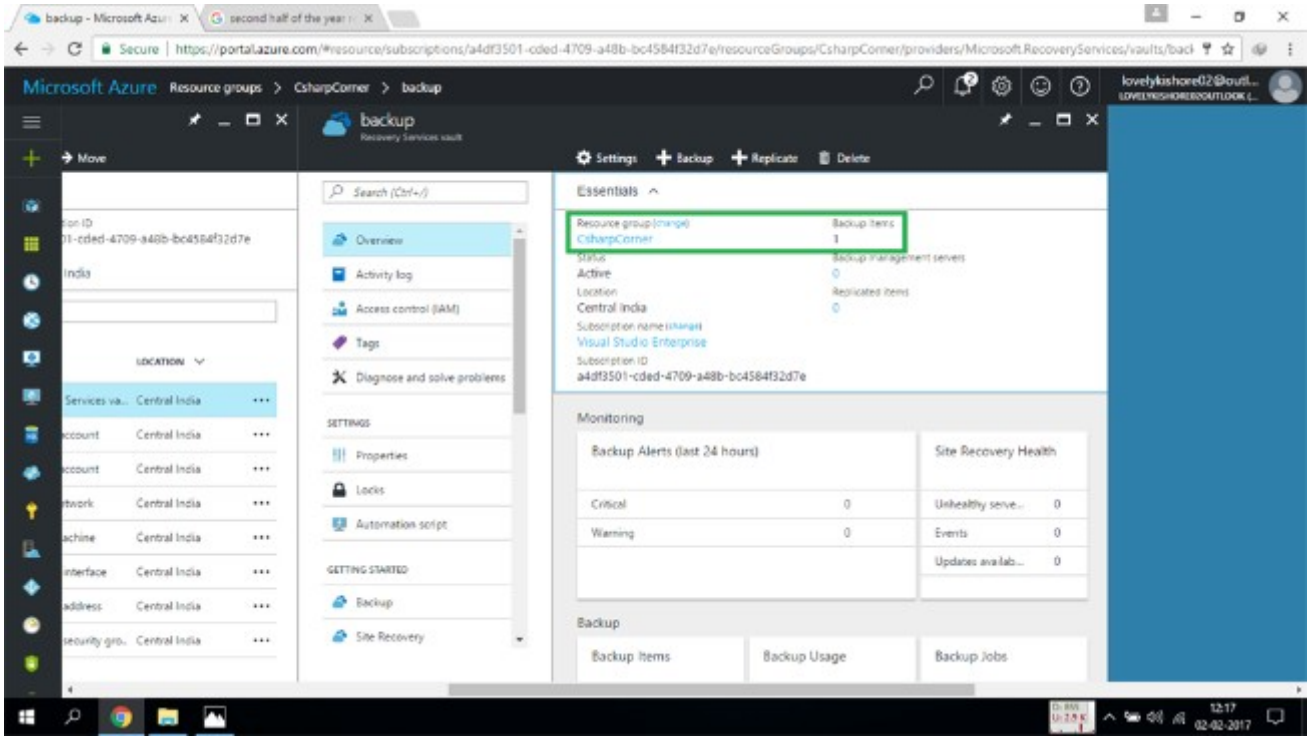

Microsoft Azure
All resources > backup > Backup > Backup policy
Backup
Backup policy
1 Backup goal
Azure Backup (VM extension)
2 Backup policy
Select
3 Items to backup
Select
Choose backup policy
DefaultPolicy
Create New
DefaultPolicy
Daily at 21:30
RETENTION RANGE
Retention of daily backup point
Retain backup taken every day at 21:30 for 30 Day(s)
Enable backup
OK


Microsoft Azure
Resource groups > CsharpCorner > backup > Backup > Select virtual machines
Backup
Select virtual machines
1 Backup goal
Azure Backup (VM extension)
2 Backup policy
DefaultPolicy
3 Items to backup
Select
VIRTUAL MACHINE NAME
RESOURCE GROUP
vm
CsharpCorner
Selected virtual machines
1
Enable backup
OK




**Viewing the connected backup in the vault**

- Go to the vault that you have created.
- Now, you can notice that there is a change in the value of the number in the backup items connected. This is the indication that you have connected a machine to the backup vault.
- This vault will automatically take backup of the data in your VM on regular intervals set by you.
- You can use this backup and replicate your files back if any disaster with your data occurs or if your data gets corrupted.




## Conclusion

This is how we create a backup vault and connect our VM or on-premises data to the vault and take backup in it. I hope this will help you in taking backups of your VM and all other data.

Thanks for reading.