

Elastic Volume Service

Getting Started

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Contents

1 Quickly Buying an EVS Disk and Using It on a Linux Server.....	1
2 Quickly Buying an EVS Disk and Using It on a Windows Server.....	11

1 Quickly Buying an EVS Disk and Using It on a Linux Server

Scenarios

EVS disks can be used as system disks or data disks. System disks are purchased together with servers, while data disks can be purchased together with servers or separately. If you buy data disks separately, you must attach and initialize them before they can be used.

This section describes how to buy a non-shared data disk on the EVS console, attach it to a Linux server, and initialize it on the server. [Table 1-1](#) shows the example configuration.

Table 1-1 Example configuration

Item	Example Configuration
Cloud server	OS: CentOS 7.6
EVS disk	Function: non-shared data disk Capacity: 100 GiB
Initialization	<ul style="list-style-type: none">• Partitioning tool: fdisk• Device name: /dev/vdb• File system format: ext4• Mount points: /mnt/sdc and /mnt/sdd• Partition 1: /dev/vdb1<ul style="list-style-type: none">- Size: 40 GiB- Partition style: MBR• Partition 2: /dev/vdb2<ul style="list-style-type: none">- Size: 60 GiB- Partition style: MBR

Operation Process

Procedure	Description
Making Preparations	<ul style="list-style-type: none">• Sign up for a HUAWEI ID, enable Huawei Cloud services, and top up your account.• Buy a cloud server.
Step 1: Purchase an EVS Disk	Buy a data disk on the EVS console.
Step 2: Attach the EVS Disk	Attach the data disk to a Linux server.
Step 3: Initialize the EVS Disk	Initialize the data disk on the server.

Making Preparations

1. Register with Huawei Cloud.
 - To sign up a HUAWEI ID and enable Huawei Cloud services, see [Registering a HUAWEI ID and Enabling Huawei Cloud Services](#).
 - To complete real-name authentication, see [Individual Real-Name Authentication](#).
2. Top up your account.
 - To learn more about EVS pricing, see [Billing](#).
 - To top up an account, see [Topping Up an Account](#).
3. Buy a cloud server.
 - For details about how to buy an ECS and use it, see [Purchasing and Using an ECS](#).
 - For details about how to buy a BMS and use it, see [Purchasing and Using a BMS](#).

Step 1: Purchase an EVS Disk

Step 1 Go to the [Buy Disk](#) page.

Step 2 Configure mandatory parameters based on [Table 1-2](#) and retain the default settings for other parameters.

Figure 1-1 Configuring parameters

< | Buy Disk

Region

Regions are geographic areas isolated from each other. Resources are region-specific and cannot be used across regions through internal network connections. For low network latency and quick resource access, select the nearest region.

AZ

No server is available in the current AZ. Select the AZ where your server resides. The AZ cannot be changed after the disk is created.

Attach To Server

Billing Mode

Data Source (Optional)

Disk Specifications

Selected Specifications Ultra-high I/O | 100 GiB | IOPS limit: 6,800, IOPS burst limit: 16,000

Automatic Backup Cloud Backup and Recovery (CBR) allows you to back up and restore the disk data to any backup point. To use CBR, buy a disk backup vault first. Vaults are containers that store backups. [Vault configuration guide](#)

More

Enterprise Project

Disk Name

If you buy multiple disks at a time, the value you entered will be used as the prefix of disk names, and one disk name will be composed of this value and a four-digit number. For example, if you enter my_disk and set the quantity to 2, the disk names will be my_disk-0001 and my_disk-0002.

Quantity You can create 400 more disks. You can create a maximum of 100 disks at a time. [Increase Quota](#).

Table 1-2 Disk creation parameters

Parameter	Example Value	Description
Region	CN South-Guangzhou	Resources are region-specific and cannot be used across regions through internal network connections. For low network latency and quick resource access, select the nearest region.
AZ	AZ1	You can only attach EVS disks to servers in the same AZ. After a disk is created, its AZ cannot be changed.
Attach To Server	Later	<ul style="list-style-type: none">Now: If you select this option, you need to select a server to attach the disk. The billing mode of the disk will be the same as the selected server.Later: When no server is available, you can select this option to create the disk first and attach the disk after the purchase.
Billing Mode	Pay-per-use	For EVS pricing details, see Billing .
Data Source	Not configured	If you want to create an empty data disk, do not configure a data source.

Parameter	Example Value	Description
Disk Specifications	Disk type: Ultra-high I/O	To learn more about disk types, see Disk Types and Performance .
	Capacity: 100 (GiB)	You can only create data disks on the current page. The disk capacity ranges from 10 GiB to 32,768 GiB.
Disk Name	volume-0001	<ul style="list-style-type: none"> If you create a single disk, the name you entered will be used as the disk name. The name can contain a maximum of 64 bytes. If you create multiple disks in a batch, the name you entered will be used as the prefix of disk names. An actual disk name will be composed of the name you entered and a four-digit number. The name can contain a maximum of 59 bytes.
Quantity	1	The preset disk quantity is 1 , which means only one disk is created. You can create a maximum of 100 disks at a time.

Step 3 Click **Next**.

Step 4 Go back to the disk list page. When the status of the **volume-0001** disk changes to **In-use**, the disk is successfully created.

----End

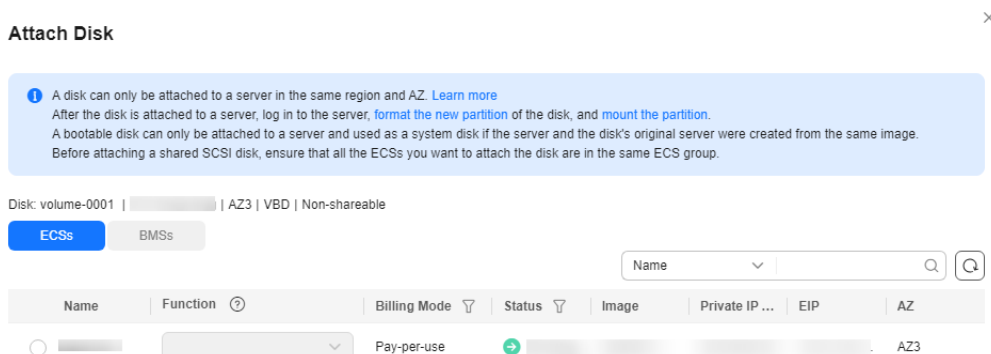
Step 2: Attach the EVS Disk

EVS disks cannot be used alone. You need to attach them to cloud servers first.

Step 1 In the disk list, find the **volume-0001** disk and click **Attach** in the **Operation** column.

Step 2 Attach the **volume-0001** disk to your desired server. Ensure that the server and disk are in the same AZ.

Figure 1-2 Attach Disk



Step 3 Click **OK** to go back to the disk list page. When the status of the **volume-0001** disk changes to **In-use**, the disk is successfully attached.

----End

Step 3: Initialize the EVS Disk

After attaching the **volume-0001** disk, you need to initialize it before it can be used. The following example uses `fdisk` to format the disk into two primary MBR partitions, with one 40 GiB and the other 60 GiB.

Step 1 Log in to the server and create two primary partitions, **/dev/vdb1** and **/dev/vdb2** for data disk **/dev/vdb**.

1. Check that the capacity of the **/dev/vdb** data disk is 100 GiB.

lsblk

```
[root@ecs-centos76 ~]# lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
vda 253:0 0 40G 0 disk
├vda1 253:1 0 1G 0 part /boot
├vda2 253:2 0 39G 0 part /
└vdb 253:16 0 100G 0 disk
```

2. Create the first primary partition **/dev/vdb1**.

fdisk /dev/vdb

n

p

```
[root@ecs-test-0001 ~]# fdisk /dev/vdb
Welcome to fdisk (util-linux 2.23.2).
```

```
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
```

```
Device does not contain a recognized partition table
Building a new DOS disklabel with disk identifier 0x38717fc1.
```

```
Command (m for help): n
```

```
Partition type:
```

```
  p primary (0 primary, 0 extended, 4 free)
  e extended
```

```
Select (default p): p
```

```
Partition number (1-4, default 1): 1
```

Entering **p** for **Partition type** creates a primary partition, and entering **e** creates an extended partition.

Set **First sector** to **2048** and **Last sector** to **83886079** for partition **/dev/vdb1** (40 GiB).

```
First sector (2048-209715199, default 2048): 2048
```

```
Last sector, +sectors or +size{K,M,G} (2048-209715199, default 209715199):83886079
```

```
Partition 1 of type Linux and of size 40 GB is set
```

3. Create the second primary partition **/dev/vdb2**.

n

p

```
Command (m for help): n
```

```
Partition type:
```

```
  p primary (0 primary, 0 extended, 4 free)
  e extended
```

```
Select (default p): p
```

```
Partition number (1-4, default 2): 2
```


Set the **First sector** to **83886080** and **Last sector** to **209715199** for partition **/dev/vdb2**.

```
First sector (83886080-209715199, default 83886080): 83886080
Last sector, +sectors or +size{K,M,G} (83886080-209715199, default 209715199):209715199
Partition 2 of type Linux and of size 60 GB is set
```

NOTE

First and last sectors of the partitions in this example are calculated as follows:

Sector value = Capacity/512 bytes, 1 GiB = 1073741824 bytes

- **First sector (2048-209715199, default 2048)** shows the sector value range of the **/dev/vdb** data disk (100 GiB).

First sector = 2048

Last sector = Sector value - 1 = (100 x 1073741824/512) - 1 = 209715200 - 1 = 209715199

- For the first partition **/dev/vdb1** (40 GiB) of the **/dev/vdb** data disk:

First sector = 2048 (The start sector of the **/dev/vdb** data disk is used.)

Last sector = Sector value - 1 = (40 x 1073741824/512) - 1 = 83886079

- For the second partition **/dev/vdb2** (60 GiB) of the **/dev/vdb** data disk:

First sector = Last sector of **/dev/vdb1** + 1 = 83886079 + 1 = 83886080

Last sector = First sector + Sector value - 1 = 83886080 + (60 x 1073741824/512) - 1 = 209715199

Step 2 Check the sizes and partition styles of the new partitions.

1. Check whether the partitioning is successful.

p

Command (m for help): p

```
Disk /dev/vdb: 107.4 GB, 107374182400 bytes, 209715200 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x994727e5
```

Device	Boot	Start	End	Blocks	Id	System
/dev/vdb1		2048	83886079	41942016	83	Linux
/dev/vdb2		83886080	209715199	62914560	83	Linux

Command (m for help):

NOTE

In case that you want to discard the changes made before, you can exit fdisk by entering **q** and press **Enter**. Then, re-create the partitions by referring to step 1.

2. Write the changes to the partition table and synchronize the new partition table to the OS.

w

partprobe

NOTE

If error message **-bash: partprobe: command not found** is returned, the system cannot identify the command. In this case, run **yum install -y parted** to install the command. Then run the command again.

3. Confirm that the partition style is MBR.

parted /dev/vdb**p**

```
[root@ecs-test-0001 ~]# parted /dev/vdb
GNU Parted 3.1
Using /dev/vdb
Welcome to GNU Parted! Type 'help' to view a list of commands.
(parted) p
Model: Virtio Block Device (virtblk)
Disk /dev/vdb: 107GB
Sector size (logical/physical): 512B/512B
Partition Table: msdos
Disk Flags:
```

Number	Start	End	Size	Type	File system	Flags
1	1049kB	42.9GB	42.9GB	primary		
2	42.9GB	107GB	64.4GB	primary		

```
(parted) q
[root@ecs-test-0001 ~]#
```

If **Partition Table: msdos** is returned, the partition style is MBR.

Enter **q** and press **Enter** to exit parted.

Step 3 Create ext4 file systems for partitions **/dev/vdb1** (40 GiB) and **/dev/vdb2** (60 GiB).

mkfs -t ext4 /dev/vdb1**mkfs -t ext4 /dev/vdb2** **NOTE**

It takes some time to create file systems. Do not exit before the system returns the following information:

```
[root@ecs-test-0001 ~]# mkfs -t ext4 /dev/vdb1
mke2fs 1.42.9 (28-Dec-2013)
Filesystem label=
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
Stride=0 blocks, Stripe width=0 blocks
2621440 inodes, 10485504 blocks
524275 blocks (5.00%) reserved for the super user
First data block=0
Maximum filesystem blocks=2157969408
320 block groups
32768 blocks per group, 32768 fragments per group
8192 inodes per group
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,
    4096000, 7962624

Allocating group tables: done
Writing inode tables: done
Creating journal (32768 blocks): done
Writing superblocks and filesystem accounting information: done
```

Run **parted /dev/vdb** and enter **p** to check that the file system format is ext4.

```
[root@ecs-test-0001 ~]# parted /dev/vdb
GNU Parted 3.1
Using /dev/vdb
Welcome to GNU Parted! Type 'help' to view a list of commands.
(parted) p
Model: Virtio Block Device (virtblk)
Disk /dev/vdb: 107GB
Sector size (logical/physical): 512B/512B
```

```
Partition Table: msdos
Disk Flags:

Number Start End Size Type File system Flags
1 1049kB 42.9GB 42.9GB primary ext4
2 42.9GB 107GB 64.4GB primary ext4

(parted) q
[root@ecs-test-0001 ~]#
```

Enter **q** and press **Enter** to exit parted.

Step 4 Create directories (mount points) and mount the new partitions on the created mount points.

```
mkdir -p /mnt/sdc
```

```
mkdir -p /mnt/sdd
```

```
mount /dev/vdb1 /mnt/sdc
```

```
mount /dev/vdb2 /mnt/sdd
```

```
lsblk
```

View the mount results.

```
[root@ecs-test-0001 ~]# lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
vda 253:0 0 40G 0 disk
└─vda1 253:1 0 40G 0 part /
vdb 253:16 0 100G 0 disk
└─vdb1 253:17 0 40G 0 part /mnt/sdc
└─vdb2 253:18 0 60G 0 part /mnt/sdd
```

You should now see that partitions **/dev/vdb1** and **/dev/vdb2** are mounted on **/mnt/sdc** and **/mnt/sdd**.

Step 5 Use the partition UUIDs to configure auto mount at startup.

NOTE

- Mounts become invalid after a system reboot. You can configure auto mount at startup by adding information of the new partition into the **/etc/fstab** file.
- You are advised not to use device names to identify disks in the **/etc/fstab** file because device names are assigned dynamically and may change (for example, from **/dev/vdb1** to **/dev/vdb2**) after a stop or start. This can even prevent your server from booting up.
- UUIDs are the unique character strings for identifying partitions in Linux.
- This operation does not affect the existing data on the server.

1. Query the partition UUIDs.

```
blkid /dev/vdb1
```

```
blkid /dev/vdb2
```

```
[root@ecs-test-0001 ~]# blkid /dev/vdb1
/dev/vdb1: UUID="0b3040e2-1367-4abb-841d-ddb0b92693df" TYPE="ext4"
/dev/vdb2: UUID="0d6769k2-1745-9dsf-453d-hgd0b34267dj" TYPE="ext4"
```

The UUIDs of partitions **/dev/vdb1** and **/dev/vdb2** are **0b3040e2-1367-4abb-841d-ddb0b92693df** and **0d6769k2-1745-9dsf-453d-hgd0b34267dj**.

2. Configure auto mount at startup.

```
vi /etc/fstab
```

Press **i** to enter the editing mode, move the cursor to the end of the file, press **Enter**, and add the following content:

```
UUID=0b3040e2-1367-4abb-841d-ddb0b92693df /mnt/sdc ext4 defaults 0 2
UUID=0d6769k2-1745-9dsf-453d-hgd0b34267dj /mnt/sdd ext4 defaults 0 2
```

Press **Esc**, enter **:wq**, and press **Enter** to save the settings and exit the vi editor.

Table 1-3 Parameter description

Example Value	Description
UUID=0b3040e2-1367-4abb-841d-ddb0b92693df	The UUID of the partition.
/mnt/sdc	The mount point of the partition.
ext4	The file system format of the partition.
defaults	The partition mount option. Normally, this parameter is set to defaults .
0	<ul style="list-style-type: none">The Linux dump backup option.<ul style="list-style-type: none">0: Linux dump backup is not used. Usually, dump backup is not used, and you can set this parameter to 0.1: Linux dump backup is used.
2	<ul style="list-style-type: none">The fsck option, which means whether to use fsck to check the disk during startup.<ul style="list-style-type: none">2: The check starts from the partitions whose mount points are non-root directories. / is the root directory.1: The check starts from the partitions whose mount points are root directories.0: The fsck option is not used.

Step 6 Verify that auto mount takes effect.

```
umount /dev/vdb1
```

```
umount /dev/vdb2
```

```
mount -a
```

The system reloads all the content in the **/etc/fstab** file.

Query file system mounting information.

mount | grep /mnt/sdc

mount | grep /mnt/sdd

If information similar to the following is displayed, auto mount has taken effect:

```
root@ecs-test-0001 ~]# mount | grep /mnt/sdc  
/dev/vdb1 on /mnt/sdc type ext4 (rw,relatime,data=ordered)  
root@ecs-test-0001 ~]# mount | grep /mnt/sdd  
/dev/vdb2 on /mnt/sdd type ext4 (rw,relatime,data=ordered)
```

----End

After initializing the disk, go back to the disk list page. After the disk status changes to In-use, you can use the disk.

2 Quickly Buying an EVS Disk and Using It on a Windows Server

Scenarios

EVS disks can be used as system disks or data disks. System disks are purchased together with servers, while data disks can be purchased together with servers or separately. If you buy data disks separately, you must attach and initialize them before they can be used.

This section describes how to buy a non-shared data disk on the EVS console, attach it to a Windows server, and initialize it on the server. [Table 2-1](#) shows the example configuration.

Table 2-1 Example configuration

Item	Example Configuration
Cloud server	OS: Windows Server 2019 Standard 64-bit
EVS disk	Function: non-shared data disk Capacity: 100 GiB
Initialization	<ul style="list-style-type: none">• Disk name: Disk 1• After the initialization:<ul style="list-style-type: none">- Partition name: New volume (D:)- Partition style: GPT- File system format: NTFS

Operation Process

Procedure	Description
Making Preparations	Sign up for a HUAWEI ID, enable Huawei Cloud services, and top up your account.

Procedure	Description
Step 1: Purchase an EVS Disk	Buy a data disk on the EVS console.
Step 2: Attach the EVS Disk	Attach the data disk to a Windows server.
Step 3: Initialize the EVS Disk	Initialize the data disk on the server.

Making Preparations

1. Register with Huawei Cloud.
 - To sign up a HUAWEI ID and enable Huawei Cloud services, see [Registering a HUAWEI ID and Enabling Huawei Cloud Services](#).
 - To complete real-name authentication, see [Individual Real-Name Authentication](#).
2. Top up your account.
 - a. To learn more about EVS pricing, see [Billing](#).
 - b. To top up an account, see [Topping Up an Account](#).
 - c. Buy a cloud server.
 - For details about how to buy an ECS and use it, see [Purchasing and Using an ECS](#).
 - For details about how to buy a BMS and use it, see [Purchasing and Using a BMS](#).
3. Buy a cloud server.
 - For details about how to buy an ECS and use it, see [Purchasing and Using an ECS](#).
 - For details about how to buy a BMS and use it, see [Purchasing and Using a BMS](#).

Step 1: Purchase an EVS Disk

Step 1 Go to the [Buy Disk](#) page.

Step 2 Configure mandatory parameters based on [Table 2-2](#) and retain the default settings for other parameters.

Figure 2-1 Configuring parameters

The screenshot shows the 'Buy Disk' configuration interface. It includes sections for:

- Region:** A dropdown menu with a help icon. Below it, a note states: 'Regions are geographic areas isolated from each other. Resources are region-specific and cannot be used across regions through internal network connections. For low network latency and quick resource access, select the nearest region.'
- AZ:** Buttons for AZ3, AZ2, AZ5, AZ6, and AZ7. A note below says: 'No server is available in the current AZ. Select the AZ where your server resides. The AZ cannot be changed after the disk is created.'
- Attach To Server:** 'Now' and 'Later' buttons.
- Billing Mode:** 'Yearly/Monthly' and 'Pay-per-use' buttons.
- Data Source (Optional):** 'Create from' dropdown.
- Disk Specifications:** 'Ultra-high I/O' dropdown, and a size selector set to '100 GIB'.
- Selected Specifications:** 'Ultra-high I/O | 100 GIB | IOPS limit: 6,800, IOPS burst limit: 16,000'.
- Automatic Backup:** A note about Cloud Backup and Recovery (CBR) and 'Vault configuration guide'. Buttons for 'Do not use', 'Use existing', and 'Buy new'.
- More:** 'Share', 'SCSI', 'Encryption', and 'Tag' options.
- Enterprise Project:** 'default' dropdown and 'Create Enterprise Project' button.
- Disk Name:** Input field with 'volume-000' and a note: 'If you buy multiple disks at a time, the value you entered will be used as the prefix of disk names, and one disk name will be composed of this value and a four-digit number. For example, if you enter my_disk and set the quantity to 2, the disk names will be my_disk-0001 and my_disk-0002.'
- Quantity:** Input field with '1' and a note: 'You can create 400 more disks. You can create a maximum of 100 disks at a time. Increase Quota.'

Table 2-2 Disk creation parameters

Parameter	Example Value	Description
Region	CN South-Guangzhou	Resources are region-specific and cannot be used across regions through internal network connections. For low network latency and quick resource access, select the nearest region.
AZ	AZ1	You can only attach EVS disks to servers in the same AZ. After a disk is created, its AZ cannot be changed.
Attach To Server	Later	<ul style="list-style-type: none"> Now: If you select this option, you need to select a server to attach the disk. The billing mode of the disk will be the same as the selected server. Later: When no server is available, you can select this option to create the disk first and attach the disk after the purchase.
Billing Mode	Pay-per-use	For EVS pricing details, see Billing .
Data Source	Not configured	If you want to create an empty data disk, do not configure a data source.

Parameter	Example Value	Description
Disk Specifications	Disk type: Ultra-high I/O	To learn more about disk types, see Disk Types and Performance .
	Capacity: 100 (GiB)	You can only create data disks on the current page. The disk capacity ranges from 10 GiB to 32,768 GiB.
Disk Name	volume-0001	<ul style="list-style-type: none">If you create a single disk, the name you entered will be used as the disk name. The name can contain a maximum of 64 bytes.If you create multiple disks in a batch, the name you entered will be used as the prefix of disk names. An actual disk name will be composed of the name you entered and a four-digit number. The name can contain a maximum of 59 bytes.
Quantity	1	The preset disk quantity is 1 , which means only one disk is created. You can create a maximum of 100 disks at a time.

Step 3 Click **Next**.

Step 4 Go back to the disk list page. When the status of the **volume-0001** disk changes to **In-use**, the disk is successfully created.

----End

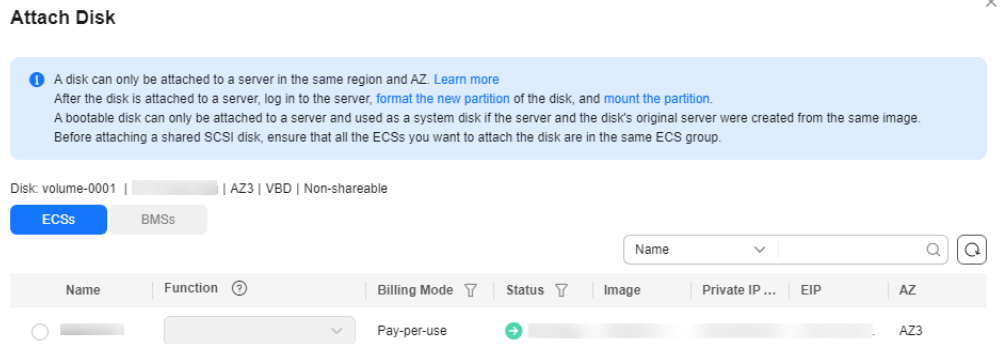
Step 2: Attach the EVS Disk

EVS disks cannot be used alone. You need to attach them to cloud servers first. In the following example, the **volume-0001** disk is attached to an ECS running Windows Server 2019.

Step 1 In the disk list, find the **volume-0001** disk and click **Attach** in the **Operation** column.

Step 2 Attach the **volume-0001** disk to your desired server. Ensure that the server and disk are in the same AZ.

Figure 2-2 Attach Disk



Step 3 Click **OK** to go back to the disk list page. When the status of the **volume-0001** disk changes to **In-use**, the disk is successfully attached.

----End

Step 3: Initialize the EVS Disk

After attaching the **volume-0001** disk, you need to initialize it before it can be used. In the following example, the disk is formatted into a 100 GiB GPT partition with the NTFS file system.

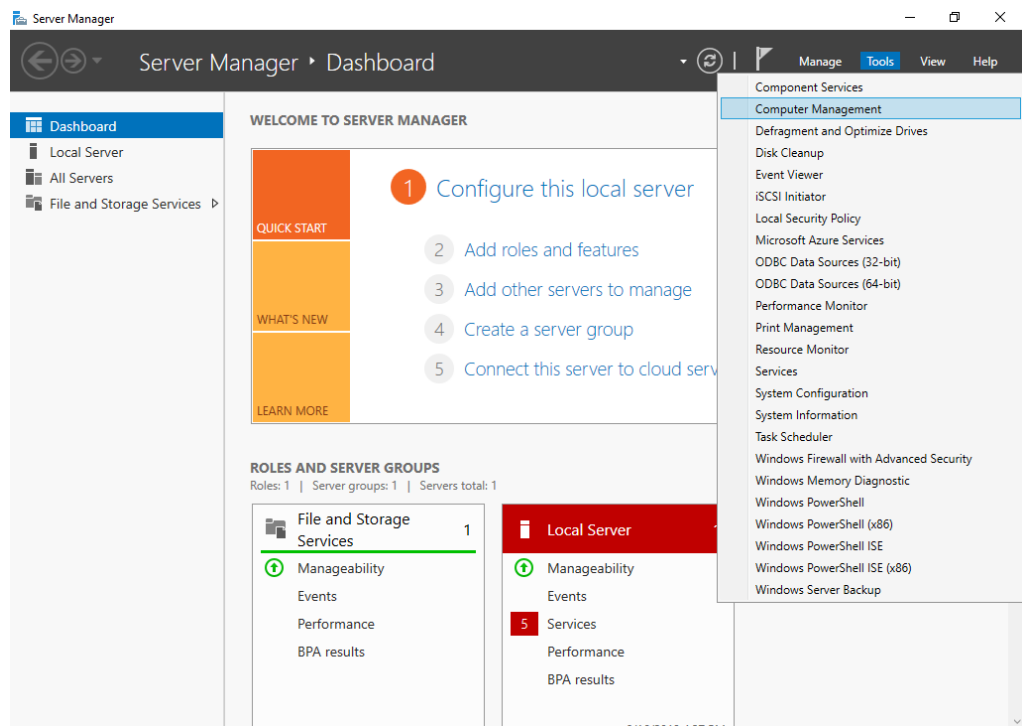
Step 1 On the desktop of the server, click the start icon in the lower left corner.

The **Windows Server** window is displayed.

Step 2 Click **Server Manager**.

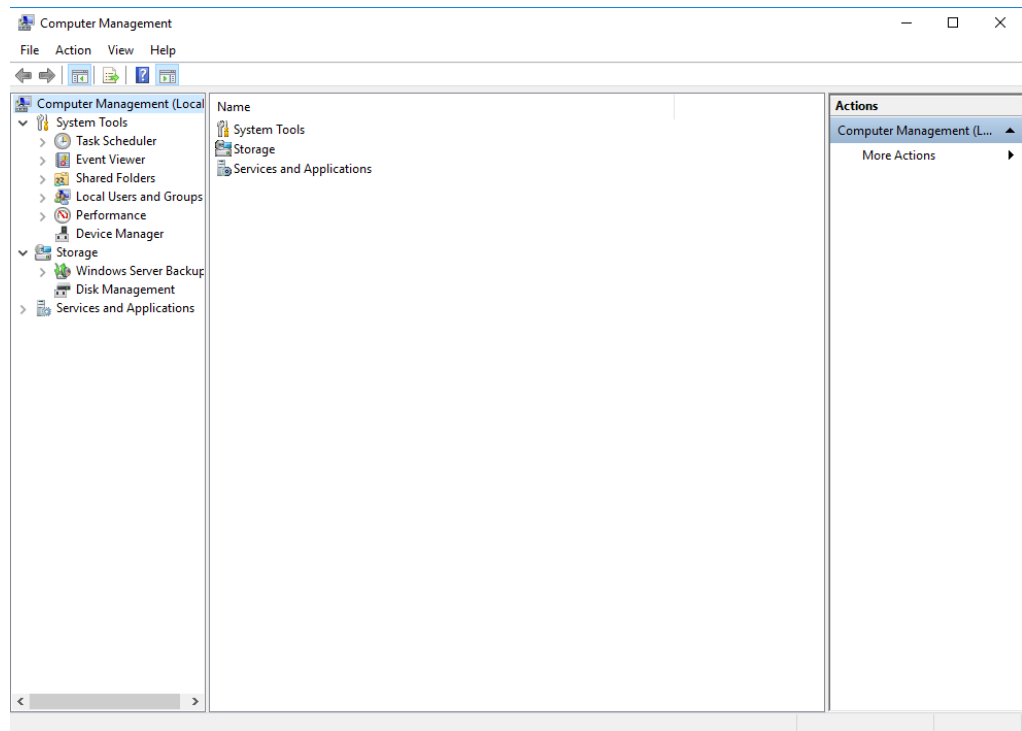
The **Server Manager** window is displayed.

Figure 2-3 Server Manager



Step 3 In the upper right corner, choose **Tools > Computer Management**.

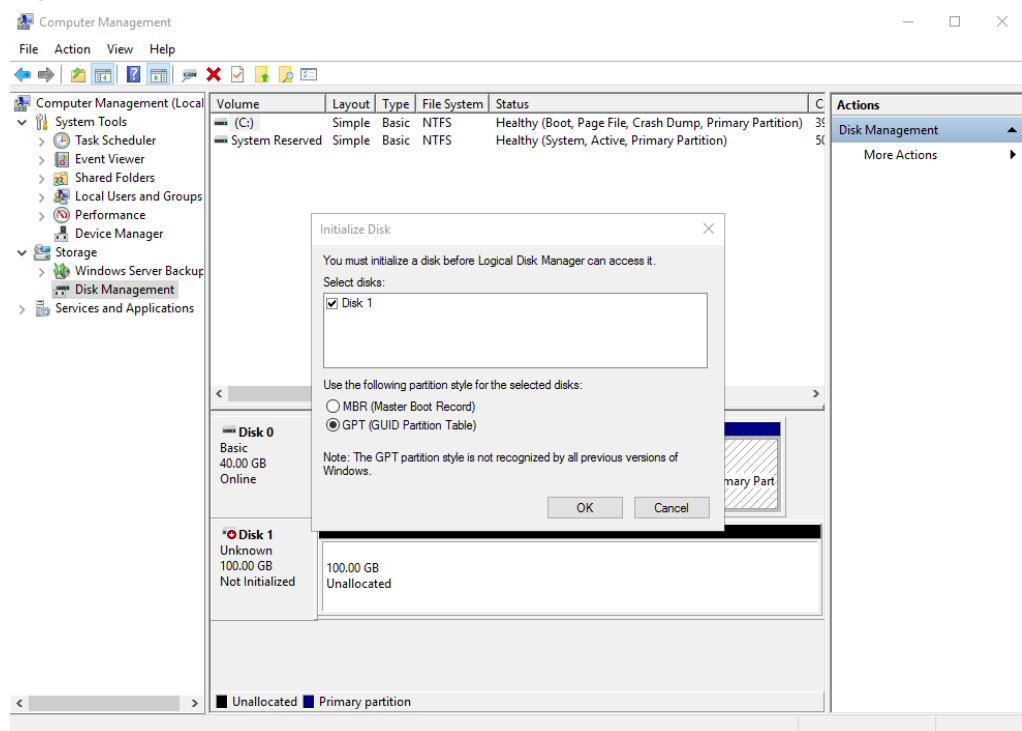
Figure 2-4 Computer Management



Step 4 Choose **Storage > Disk Management**.

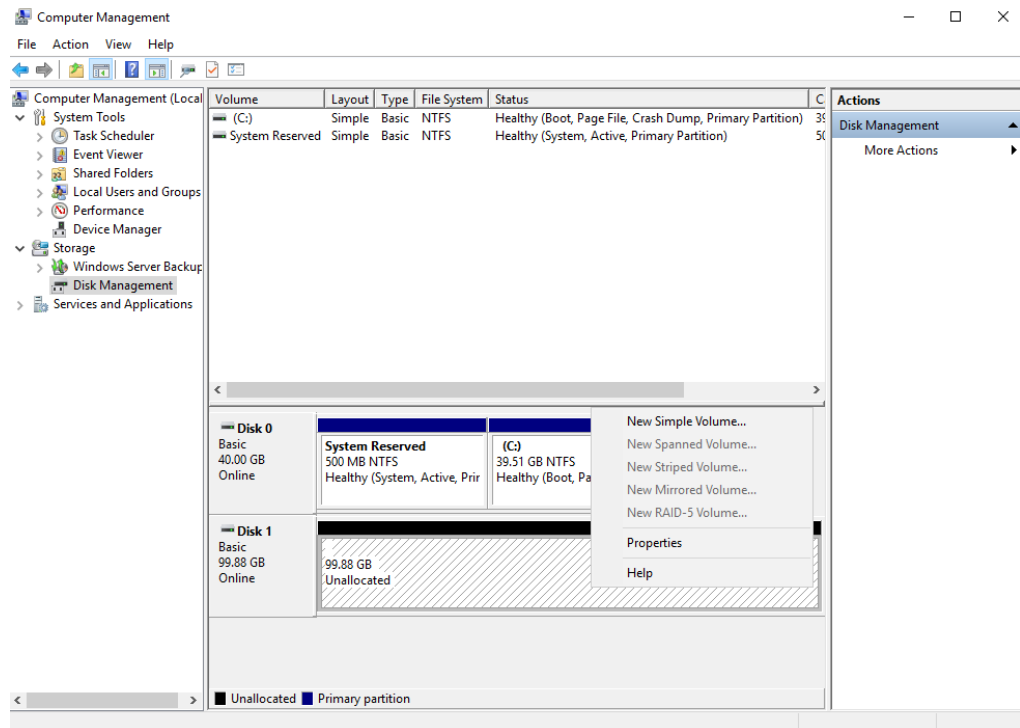
Disks are displayed in the right pane. If there is a disk that is not initialized, the system will prompt you with the **Initialize Disk** dialog box.

Figure 2-5 Disk list



Step 5 In the **Initialize Disk** dialog box, the to-be-initialized disk is selected. Select a disk partition style and click **OK**. In this example, **GPT (GUID Partition Table)** is selected.

Figure 2-6 Computer Management



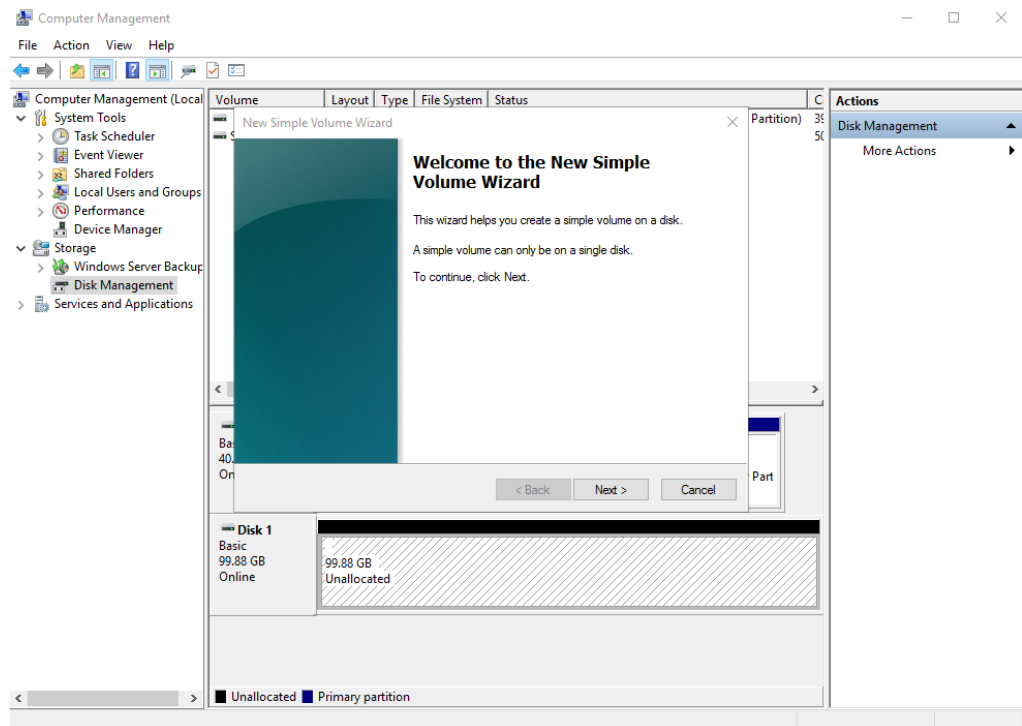
NOTICE

The maximum disk size supported by MBR is 2 TiB, and that supported by GPT is 18 EiB. Because an EVS data disk currently supports up to 32 TiB, use GPT if your disk size is greater than 2 TiB.

If the partition style is changed after the disk has been used, all data on the disk will be lost, so take care to select an appropriate partition style when initializing the disk. If you must change the partition style to GPT after a disk has been used, it is recommended that you back up the disk data before the change.

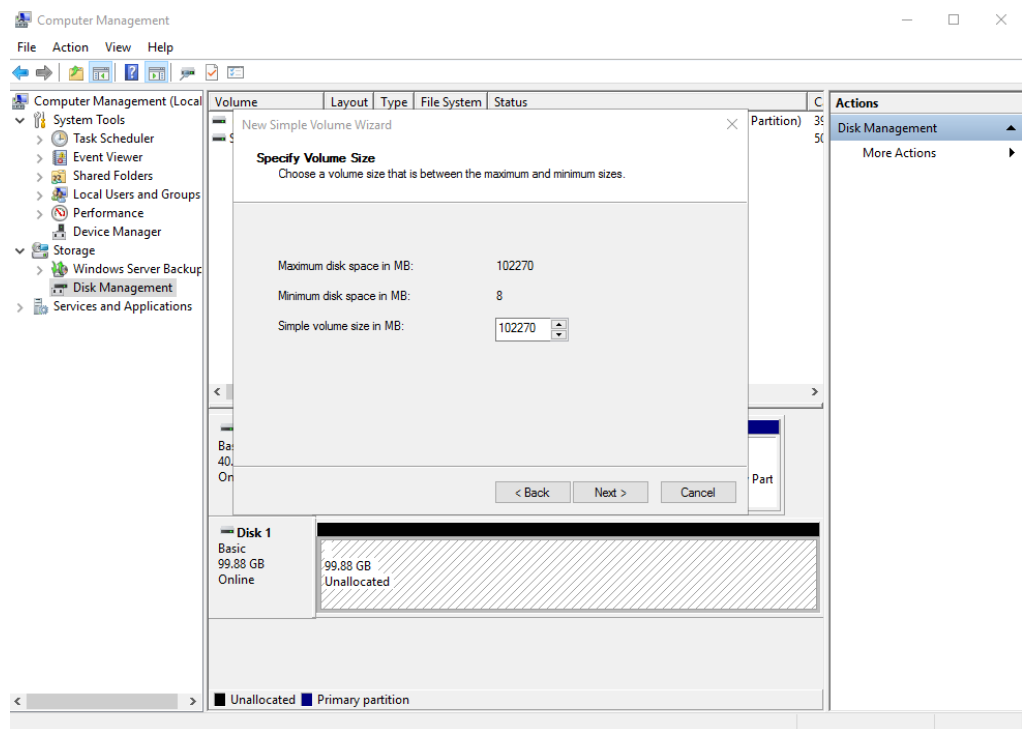
Step 6 Right-click the unallocated disk space area and choose **New Simple Volume** from the shortcut menu.

Figure 2-7 New Simple Volume Wizard



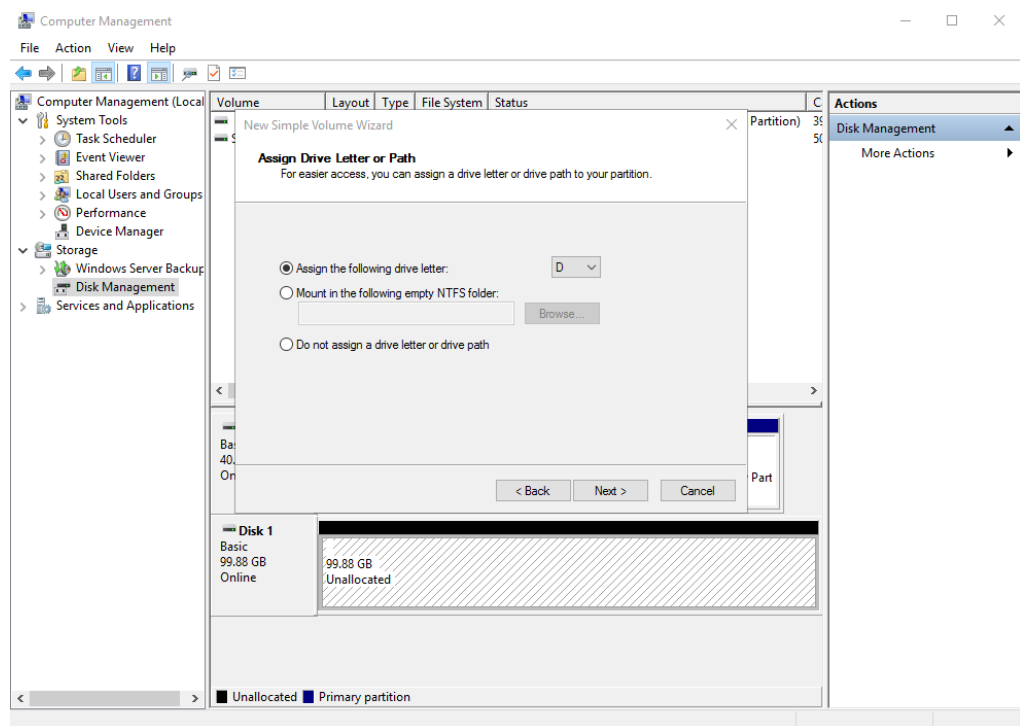
Step 7 Click **Next** to go to the **Specify Volume Size** page.

Figure 2-8 Specify Volume Size



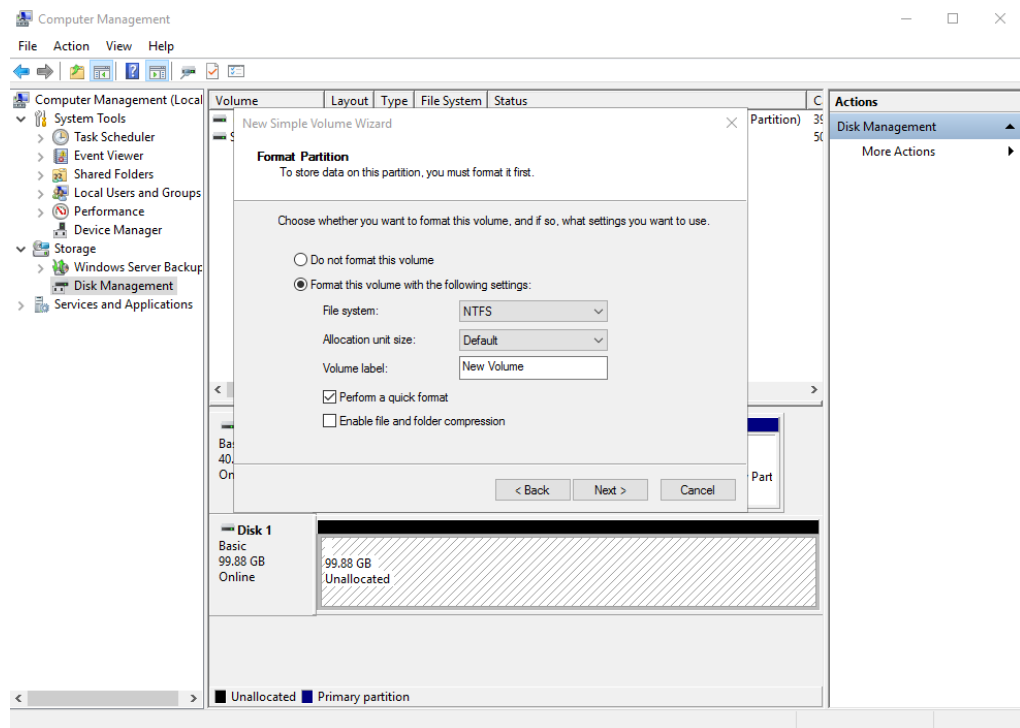
Step 8 Specify the volume size and click **Next**. The system selects the maximum volume size by default. You can specify the volume size as required. In this example, the default setting is used.

Figure 2-9 Assign Drive Letter or Path



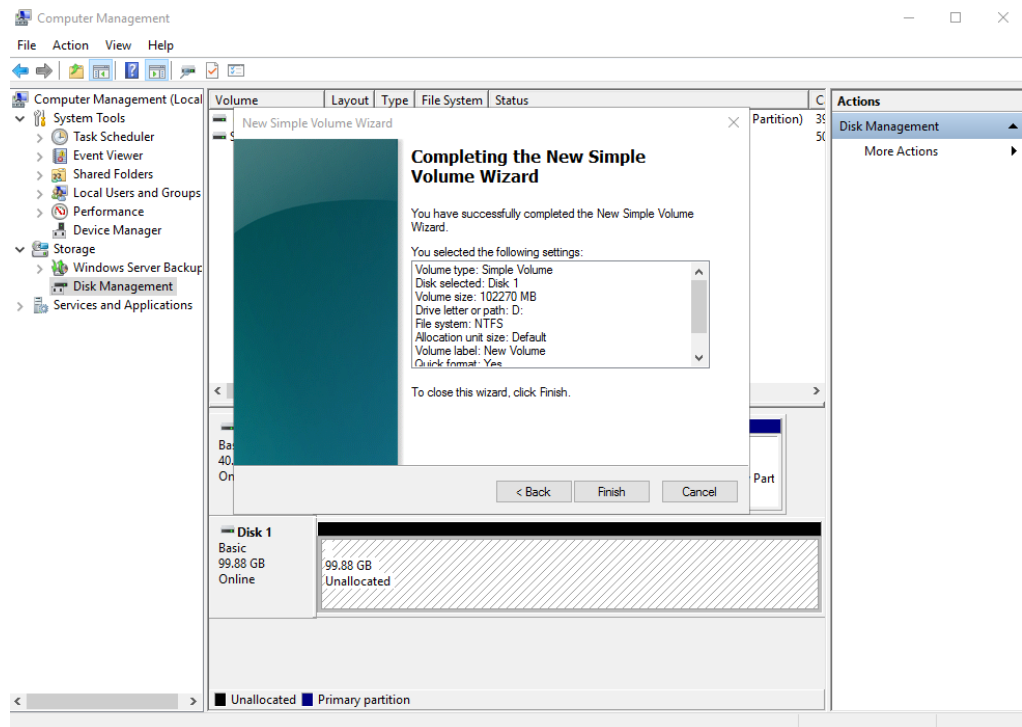
Step 9 Assign a drive letter or path to your partition and click **Next**. The system assigns drive letter D by default. In this example, the default setting is used.

Figure 2-10 Format Partition



Step 10 Specify format settings and click **Next**. The system selects the NTFS file system by default. You can specify a file system type as required. In this example, the default setting is used.

Figure 2-11 Completing the New Simple Volume Wizard



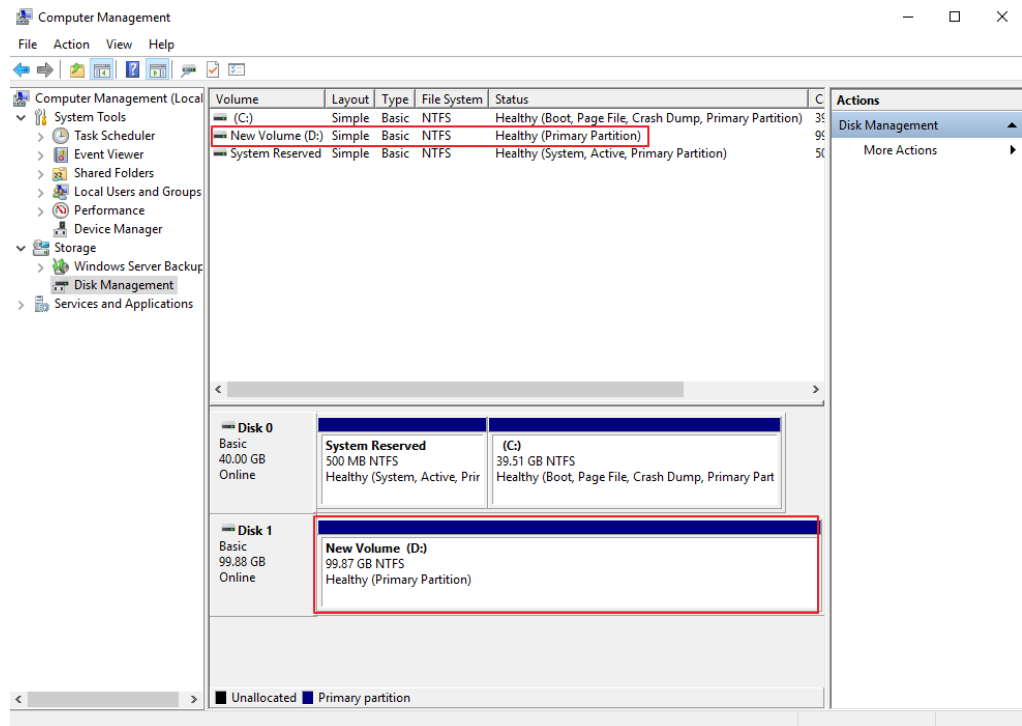
NOTICE


The partition sizes supported by file systems vary. Choose an appropriate file system format based on your service requirements.

Step 11 Click **Finish**.

Wait for the initialization to complete. When the volume status changes to **Healthy**, the initialization has succeeded.

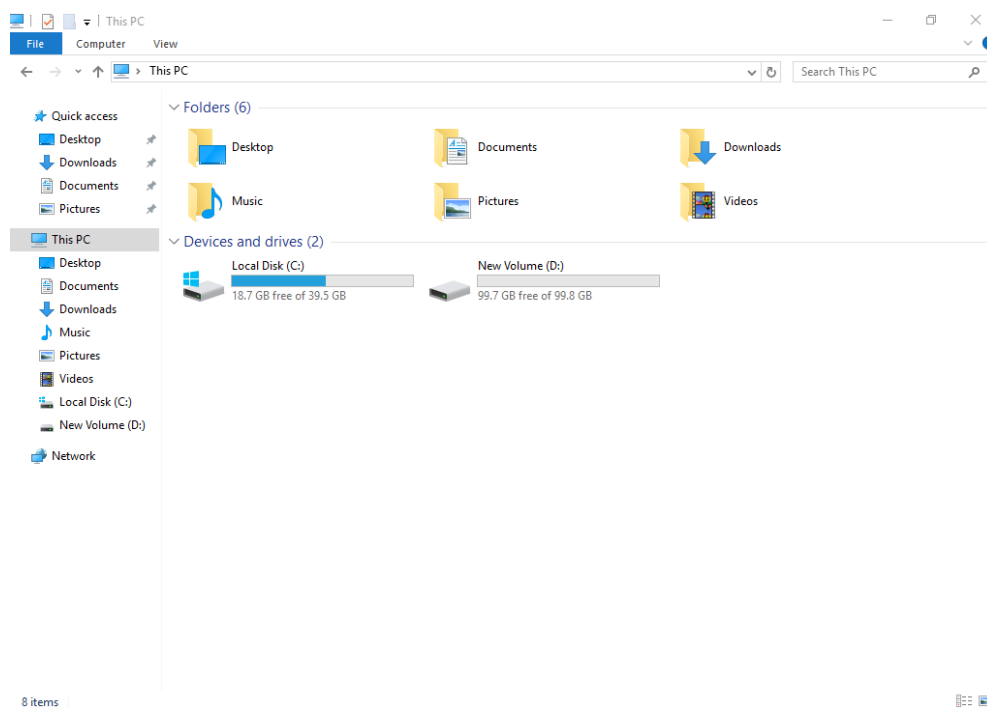
Figure 2-12 Disk initialized



Step 12 After the volume is created, click  on the task bar and check whether a new volume appears in the File Explorer. In this example, New Volume (D:) is the new volume.

If New Volume (D:) appears, the disk is successfully initialized and no further action is required.

Figure 2-13 File Explorer



----End

After initializing the disk, go back to the disk list page. After the disk status changes to In-use, you can use the disk.