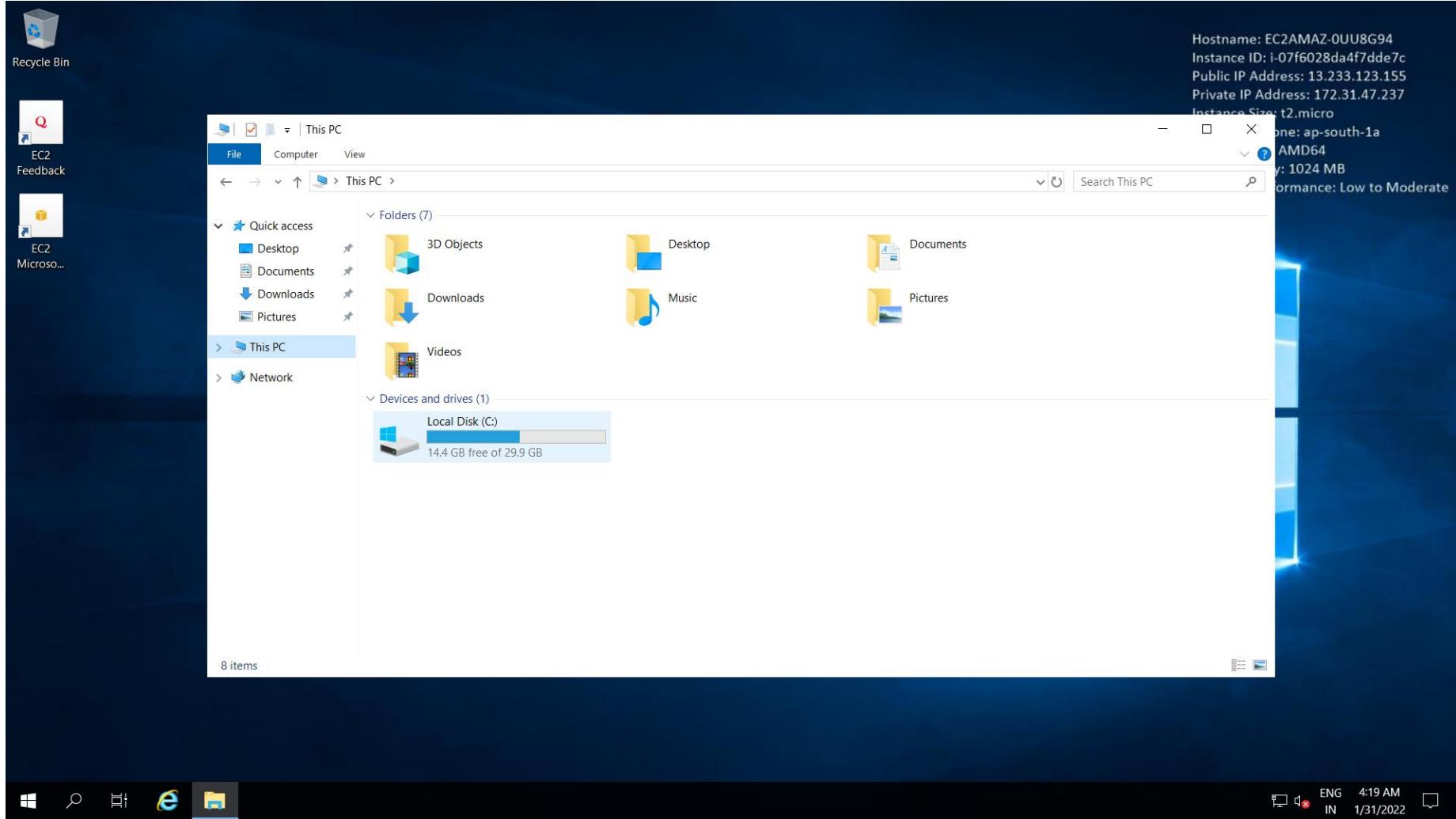


**Made By**

**Satish Rajurkar**

**Vaibhav Sarode**

- As now you know how to create EC2 Instance, so we skipped instance creation step and directly login to our Virtual Machine through AWS Console.
- Go directly to the file manager of your Virtual Machine.



- As now you can see our virtual machine.

The screenshot shows the AWS EC2 Instances page. The main table displays one instance:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
3rd-practical	i-07f6028da4f7dde7c	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a

A modal window titled "Select an instance" is overlaid on the table, indicating that an action is being performed on the selected instance.

**Sidebar Navigation:**

- New EC2 Experience (button)
- EC2 Dashboard
- EC2 Global View
- Events
- Tags
- Limits
- Instances
  - Instances (New)
  - Instance Types
  - Launch Templates
  - Spot Requests
  - Savings Plans
  - Reserved Instances (New)
  - Dedicated Hosts
  - Capacity Reservations
- Images
  - AMIs (New)
  - AMI Catalog
- Elastic Block Store

**Page Footer:**

Feedback English (US) © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences ENG IN 9:50 AM 1/31/2022

- This is our EC2 instance.

The screenshot shows the AWS Management Console interface for the EC2 service. The top navigation bar includes tabs for WhatsApp, Instances | EC2 Management Cor, and 3rd-practical.pem. The URL in the address bar is https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:v=3. The top menu bar has links for Apps, Google, Satish DevOps Engg, SOCIAL, New folder, PDF Lake IMP, Backlink, MPSC Online, YouTube, Marathi Typing | En..., Majhi Naukri | माझी..., Other bookmarks, and Reading list. On the right, there are icons for notifications, help, and account details (Mumbai, Satish DevOps Engineer).

The left sidebar contains a navigation pane with the following sections and items:

- AMIs (New)
- AMI Catalog
- Elastic Block Store
  - Volumes (New)
  - Snapshots (New)
  - Lifecycle Manager (New)
- Network & Security
  - Security Groups
  - Elastic IPs
  - Placement Groups
  - Key Pairs
  - Network Interfaces
- Load Balancing
  - Load Balancers
  - Target Groups (New)
- Auto Scaling
  - Launch Configurations
  - Auto Scaling Groups

The main content area displays the 'Instances (1)' list with one item:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
3rd-practical	i-07f6028da4f7dde7c	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a

A modal window titled 'Select an instance' is overlaid on the main content, indicating that an action is being performed on the selected instance.

The bottom of the screen shows the taskbar with various pinned application icons (File Explorer, Task View, Edge, File, Mail, Photos, OneDrive, Word, Excel, Powerpoint, Edge, File, Mail, Photos, OneDrive, Word, Excel, Powerpoint) and system status indicators (ENG IN, WiFi, Battery, 9:52 AM, 1/31/2022).

- Now go to the Volumes which is in Elastic Block Store on left side of Navigation Pane.

The screenshot shows the AWS Management Console interface. The top navigation bar includes tabs for WhatsApp, Volumes | EC2 Management Con..., and 3rd-practical.pem. The URL in the address bar is ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Volumes:. The search bar at the top right contains the placeholder "Search for services, features, blogs, docs, and more" and the keyboard shortcut "[Alt+S]".

The left sidebar lists various AWS services:

- AMIs (New)
- AMI Catalog
- Elastic Block Store
  - Volumes (New)
  - Snapshots (New)
  - Lifecycle Manager (New)
- Network & Security
  - Security Groups
  - Elastic IPs
  - Placement Groups
  - Key Pairs
  - Network Interfaces
- Load Balancing
  - Load Balancers
  - Target Groups (New)
- Auto Scaling
  - Launch Configurations
  - Auto Scaling Groups

The main content area is titled "Volumes (1/1)" and displays a table with the following data:

Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume
vol-055bcb645d1964047	gp2	30 GiB	100	-	snap-07251d0...	2022/01/31 09:42 GMT+5:30	ap-south-1a	In-use

A modal window for the selected volume is open at the bottom, showing the following details:

Volume ID: vol-055bcb645d1964047 (3rd-practical)

Details | Status checks | Monitoring | Tags

The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time as 1/31/2022 at 9:53 AM.

- As our instance is in **ap-south-1a AZ**
- Click on Create Volume

The screenshot shows the 'Create volume' page in the AWS Management Console. The URL in the address bar is `ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#CreateVolume`. The search bar at the top contains the placeholder 'Search for services, features, blogs, docs, and more'. The main content area is titled 'Create volume' with an 'Info' link. Below it, a sub-instruction reads 'Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.' A large form titled 'Volume settings' is displayed. Under 'Volume type', the 'General Purpose SSD (gp2)' option is selected and highlighted with a blue border. Other options listed include 'General Purpose SSD (gp1)', 'Provisioned IOPS SSD (io1)', 'Provisioned IOPS SSD (io2)', 'Cold HDD (sc1)', 'Throughput Optimized HDD (st1)', and 'Magnetic (standard)'. The 'Availability Zone' dropdown is set to 'ap-south-1a'. The bottom navigation bar includes links for 'Feedback', 'English (US)', 'Privacy', 'Terms', and 'Cookie preferences'. The status bar at the bottom right shows the date '1/31/2022', time '9:53 AM', and battery level.

- Select volume type : General Purpose SSD (gp2)

The screenshot shows the AWS EC2 Management Console with the 'Create volume' wizard open. The top navigation bar includes tabs for WhatsApp, Create volume | EC2 Manager, and 3rd-practical.pem. The main search bar says 'Search for services, features, blogs, docs, and more'. The sidebar shows 'Services' selected. The main content area is titled 'Create volume' and displays the following configuration:

- Volume Type:** General Purpose SSD (gp2)
- Size (GiB):** 5 (selected)
- IOPS:** 100 / 3000
- Throughput (MiB/s):** Not applicable
- Availability Zone:** ap-south-1a
- Snapshot ID - optional:** Don't create volume from a snapshot
- Encryption:** Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances.  
 Encrypt this volume

At the bottom, there's a 'Tags - optional' section and a 'Feedback' link. The footer contains links for English (US), Privacy, Terms, and Cookie preferences, along with system status icons.

- Put size of volume as per your requirement.
- Here I add volume of 5gb.

The screenshot shows the 'Create volume' step in the AWS EC2 Management Console. The configuration is as follows:

- Type:** General Purpose SSD (gp2)
- Size (GiB):** 5
- IOPS:** 100 / 3000
- Throughput (MiB/s):** Not applicable
- Availability Zone:** ap-south-1a (selected from a dropdown menu which also includes ap-south-1a, ap-south-1b, ap-south-1c, and ap-south-1d)
- Encryption:** Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances.  Encrypt this volume
- Tags - optional:** A note explaining what tags are and how they can be used.

At the bottom, there are buttons for 'Feedback', language selection ('English (US)'), copyright information ('© 2022, Amazon Internet Services Private Ltd. or its affiliates.'), and links for 'Privacy', 'Terms', and 'Cookie preferences'. The system status bar at the bottom right shows 'ENG IN', signal strength, battery level, and the date/time '9:54 AM 1/31/2022'.

- Select the AZ in which you have created your Instance.
- I created my instance in **ap-south-1a**
- That's why I selected same AZ i.e. **ap-south-1a**

The screenshot shows the 'Create volume' wizard in the AWS Management Console. The top navigation bar includes tabs for WhatsApp, Create volume | EC2 Manager, and 3rd-practical.pem. The main search bar says 'Search for services, features, blogs, docs, and more'. The sidebar shows 'Not applicable' under 'Availability Zone'. The 'Encryption' section has a note about using Amazon EBS encryption and a checkbox for 'Encrypt this volume' which is unchecked. The 'Tags - optional' section allows adding key-value pairs; one tag 'Name' is set to '5gb-volume'. A note says you can add 49 more tags. At the bottom are 'Cancel' and 'Create volume' buttons.

- Add tags is a optional
- Then please click on Create Volume.

The screenshot shows the AWS EC2 Management Console interface. The top navigation bar includes tabs for WhatsApp, Volumes | EC2 Management Con..., and 3rd-practical.pem. The main search bar contains the query "ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Volumes:". Below the search bar, the AWS logo and "Services" link are visible, along with a user profile for "Satis DevOps Engineer". A sidebar on the left lists various services under "EC2 Experience": EC2 Dashboard, Events, Tags, Limits, Instances (with sub-options like Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (AMIs, AMI Catalog), and Elastic Block Store. The main content area displays a success message: "Successfully created volume vol-0fe5c63be367d6777.". Below this is a table titled "Volumes (2)" showing two volumes: one 30 GiB gp2 volume (in-use) and one 5 GiB gp2 volume (available). The table includes columns for ID, Type, Size, IOPS, Throughput, Snapshot, Created, Availability Zone, and Volume state. At the bottom of the main content area, there is a note: "Select a volume above" followed by three small square icons. The bottom navigation bar includes links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status indicators for ENG IN, 9:55 AM, and 1/31/2022.

ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state
bcb645d1964047	gp2	30 GiB	100	-	snap-07251d0...	2022/01/31 09:42 GMT+5:...	ap-south-1a	<span>In-use</span>
5c63be367d6777	gp2	5 GiB	100	-	-	2022/01/31 09:54 GMT+5:...	ap-south-1a	<span>Available</span>

- As now you can see our volume of 5gb is created and it is available.

The screenshot shows the AWS EC2 Management Console with the 'Volumes' page open. The left sidebar lists various services like Reserved Instances, Dedicated Hosts, Capacity Reservations, Images (AMIs, AMI Catalog), Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), and Load Balancing (Load Balancers, Target Groups). The main table displays two volumes: '3rd-practical' (gp2, 30 GiB, 100 IOPS) and '5gb-volume' (gp2, 5 GiB, 100 IOPS). A context menu is open over the '5gb-volume' row, with 'Attach volume' highlighted. The bottom of the screen shows the Windows taskbar with various pinned icons.

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Available
3rd-practical	vol-055bcb645d1964047	gp2	30 GiB	100	-	snap-07251d0...	2022/01/31 09:42 GMT+5:...	ap-sout
5gb-volume	vol-0fe5c63be367d6777	gp2	5 GiB	100	-	-	2022/01/31 09:54 GMT+5:...	ap-sout

- Now select that volume and right click on it.
- Click on Attach volume

The screenshot shows a browser window with three tabs at the top: '(1) WhatsApp', 'Attach volume | EC2 Manager...', and '3rd-practical.pem'. The main content area is titled 'Attach volume' and shows the 'Basic details' section. It displays a 'Volume ID' of 'vol-0fe5c63be367d6777 (5gb-volume)' and an 'Availability Zone' of 'ap-south-1a'. Below this, the 'Instance' section contains a dropdown menu with a search bar. The dropdown shows a single result: 'i-07f6028da4f7dde7c (3rd-practical) (running)'. At the bottom of the dialog are 'Cancel' and 'Attach volume' buttons. The browser's address bar shows the URL 'ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#AttachVolume:volumId=vol-0fe5c63be367d6777'. The bottom navigation bar includes links for 'Feedback', 'English (US)', 'Privacy', 'Terms', and 'Cookie preferences', along with system status icons.

- Select instance from drop down menu

The screenshot shows the AWS EC2 Attach volume interface. At the top, there are three tabs: WhatsApp, Attach volume | EC2 Manager, and 3rd-practical.pem. The main navigation bar includes links for Apps, Google, Satish DevOps Engg, SOCIAL, New folder, PDF Lake IMP, Backlink, MPSC Online, YouTube, Marathi Typing | En..., Majhi Naukri | माझी..., Other bookmarks, and Reading list. The user is signed in as Mumbai and Satish DevOps Engineer.

The page title is "Attach volume" with an "Info" link. Below it, a sub-header says "Attach a volume to an instance to use it as you would a regular physical hard disk drive." A sidebar on the left shows the breadcrumb path: EC2 > Volumes > vol-0fe5c63be367d6777 > Attach volume.

The main content area is titled "Basic details". It contains the following fields:

- Volume ID:** vol-0fe5c63be367d6777 (5gb-volume)
- Availability Zone:** ap-south-1a
- Instance:** i-07f6028da4f7dde7c (dropdown menu)

A note below the instance dropdown states: "Only instances in the same Availability Zone as the selected volume are displayed."

**Device name:** xvdf   
Windows device names: xvdf through xvdz

At the bottom right of the form are two buttons: "Cancel" and a large orange "Attach volume" button.

The footer of the browser window includes links for Feedback, English (US), Privacy, Terms, and Cookie preferences. It also shows the copyright notice: © 2022, Amazon Internet Services Private Ltd. or its affiliates. On the right, it displays the system status: ENG IN, 9:56 AM, 1/31/2022, and a notification icon.

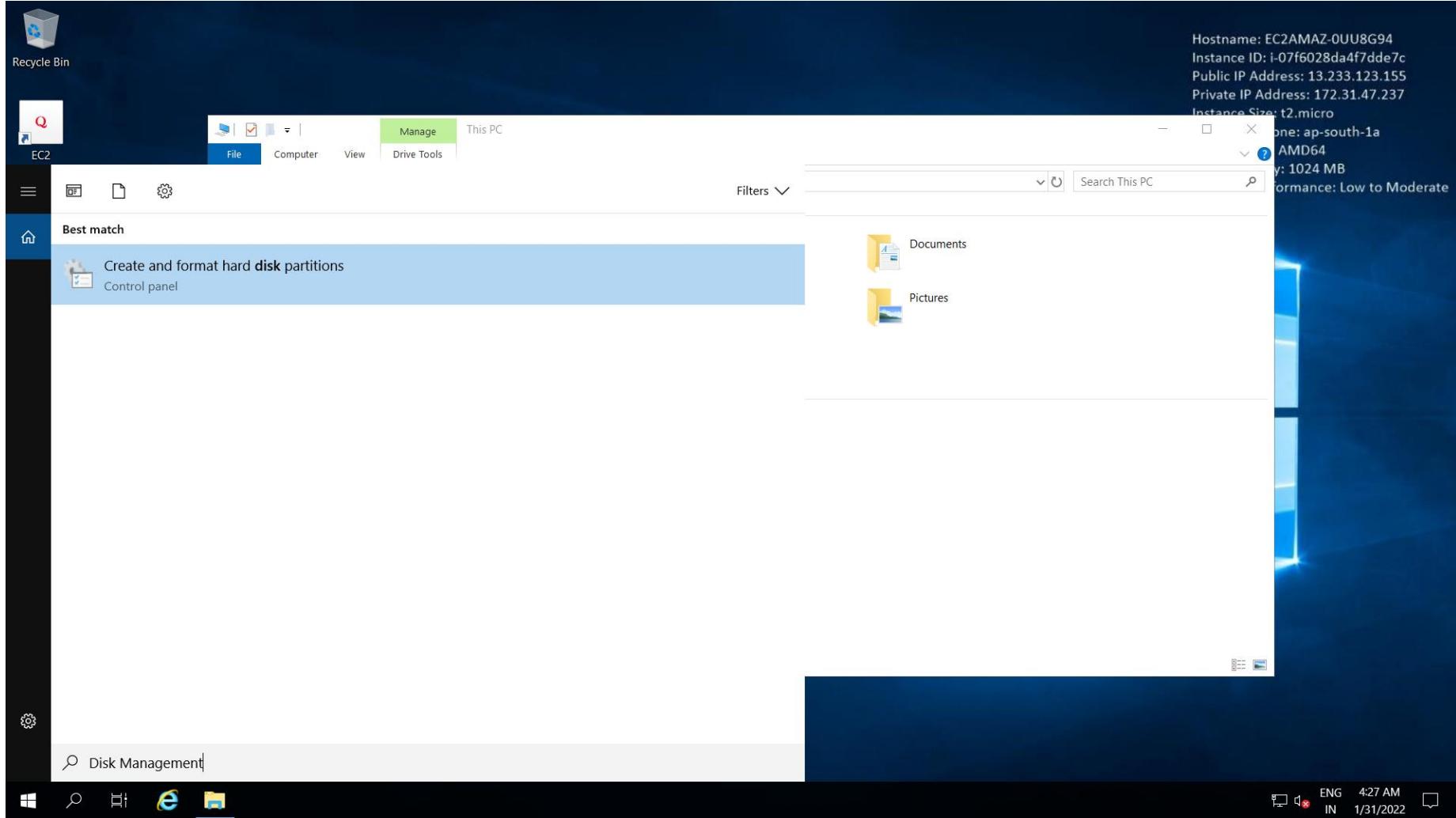
- Click on Attach volume

The screenshot shows the AWS EC2 Management Console interface. At the top, there are three tabs: '(1) WhatsApp', 'Volumes | EC2 Management Con...', and '3rd-practical.pem'. The main content area displays a success message: 'Successfully attached volume vol-0fe5c63be367d6777 to instance i-07f6028da4f7dde7c.' Below this, the 'Volumes (1/2)' section is shown with a table. The table has columns: Volume ID, Type, Size, IOPS, Throughput, Snapshot, Created, Availability Zone, and Volume state. There are two rows:

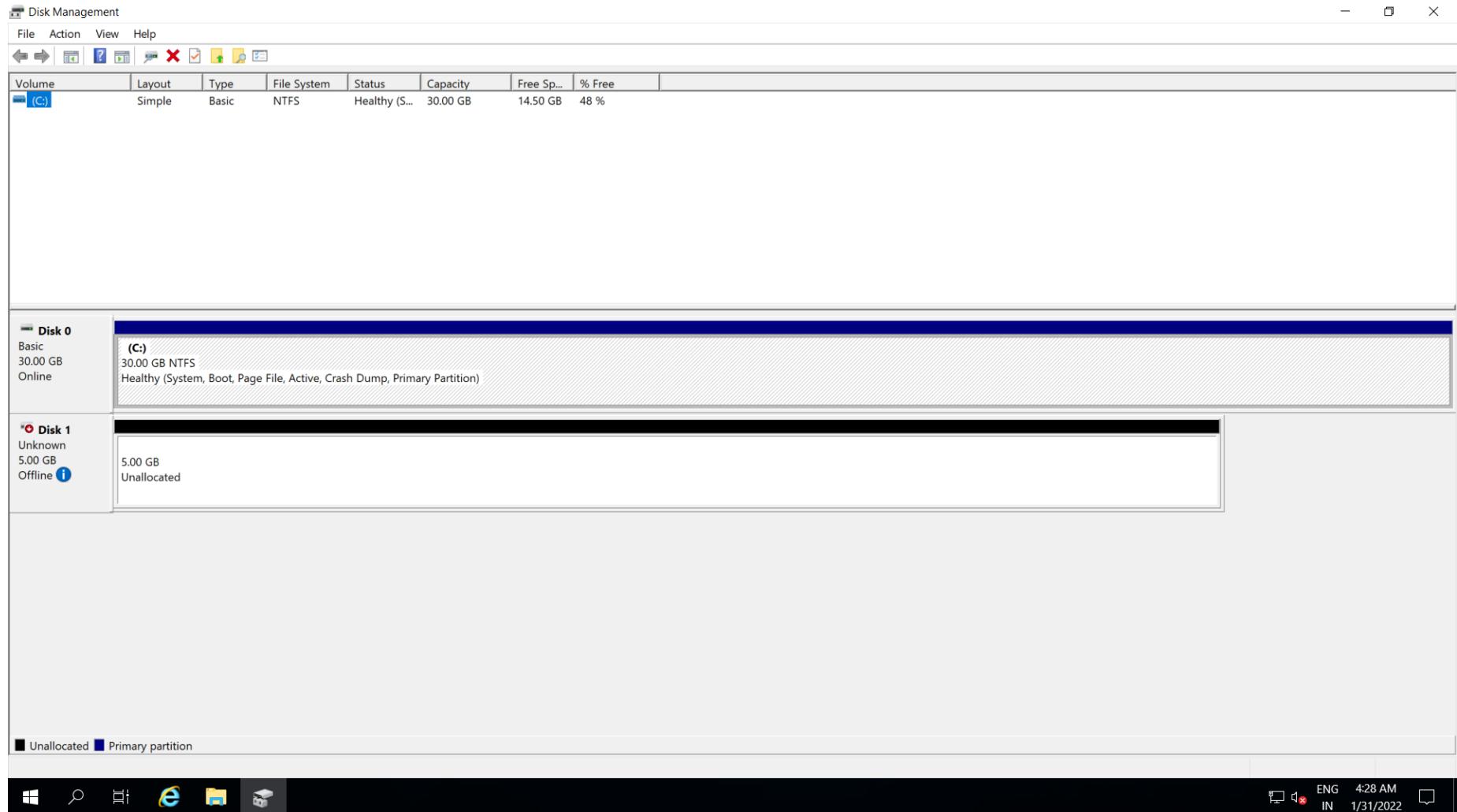
Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state
055bcb645d1964047	gp2	30 GiB	100	-	snap-07251d0...	2022/01/31 09:42 GMT+5:...	ap-south-1a	<span>In-use</span>
0fe5c63be367d6777	gp2	5 GiB	100	-	-	2022/01/31 09:54 GMT+5:...	ap-south-1a	<span>In-use</span>

On the left sidebar, under 'Elastic Block Store', the 'Details' tab is selected. The volume ID 'vol-0fe5c63be367d6777 (5gb-volume)' is displayed. The status bar at the bottom shows the date and time as '1/31/2022 9:57 AM'.

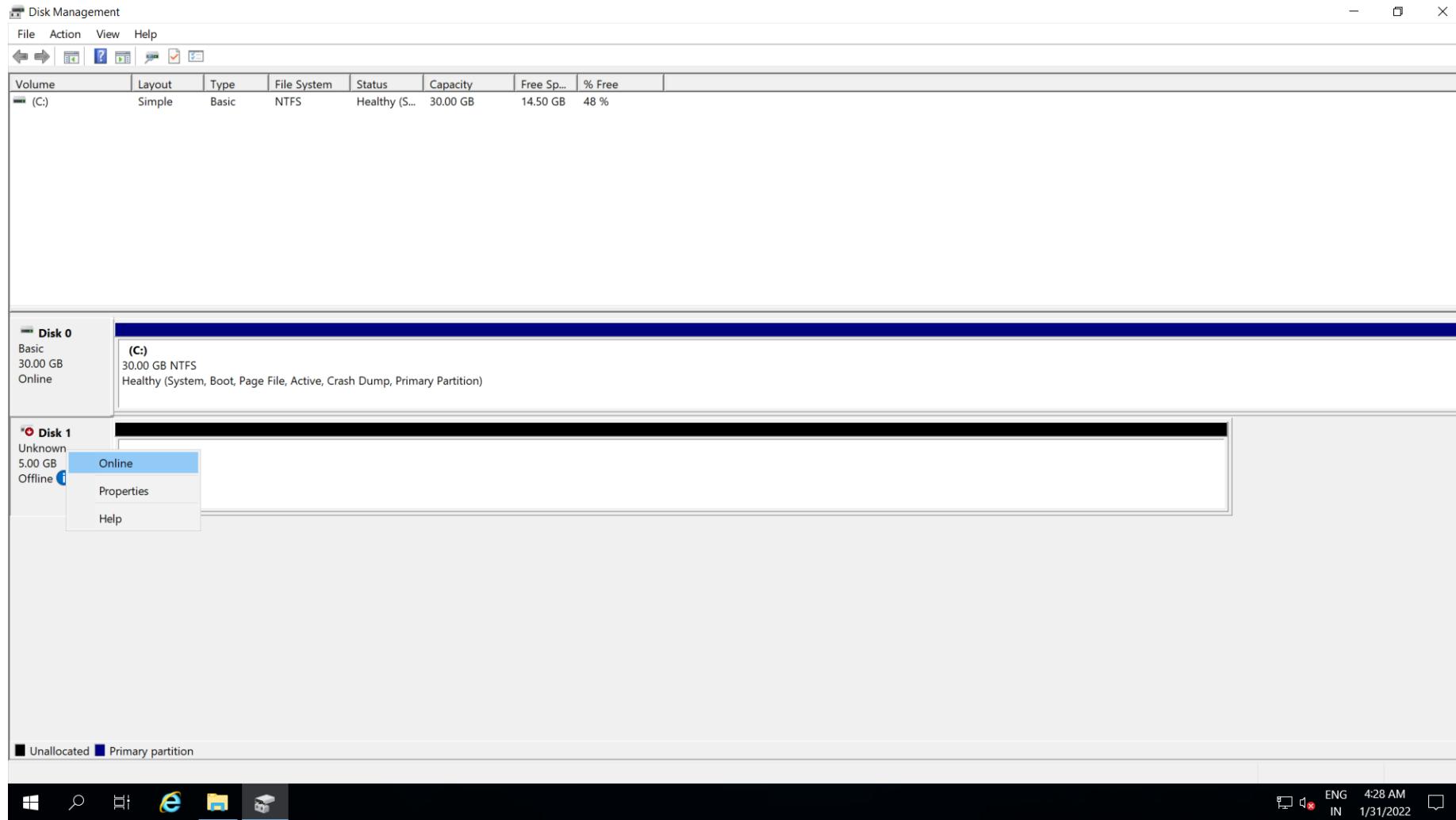
- As now you can see our volume is attached successfully and it is in use



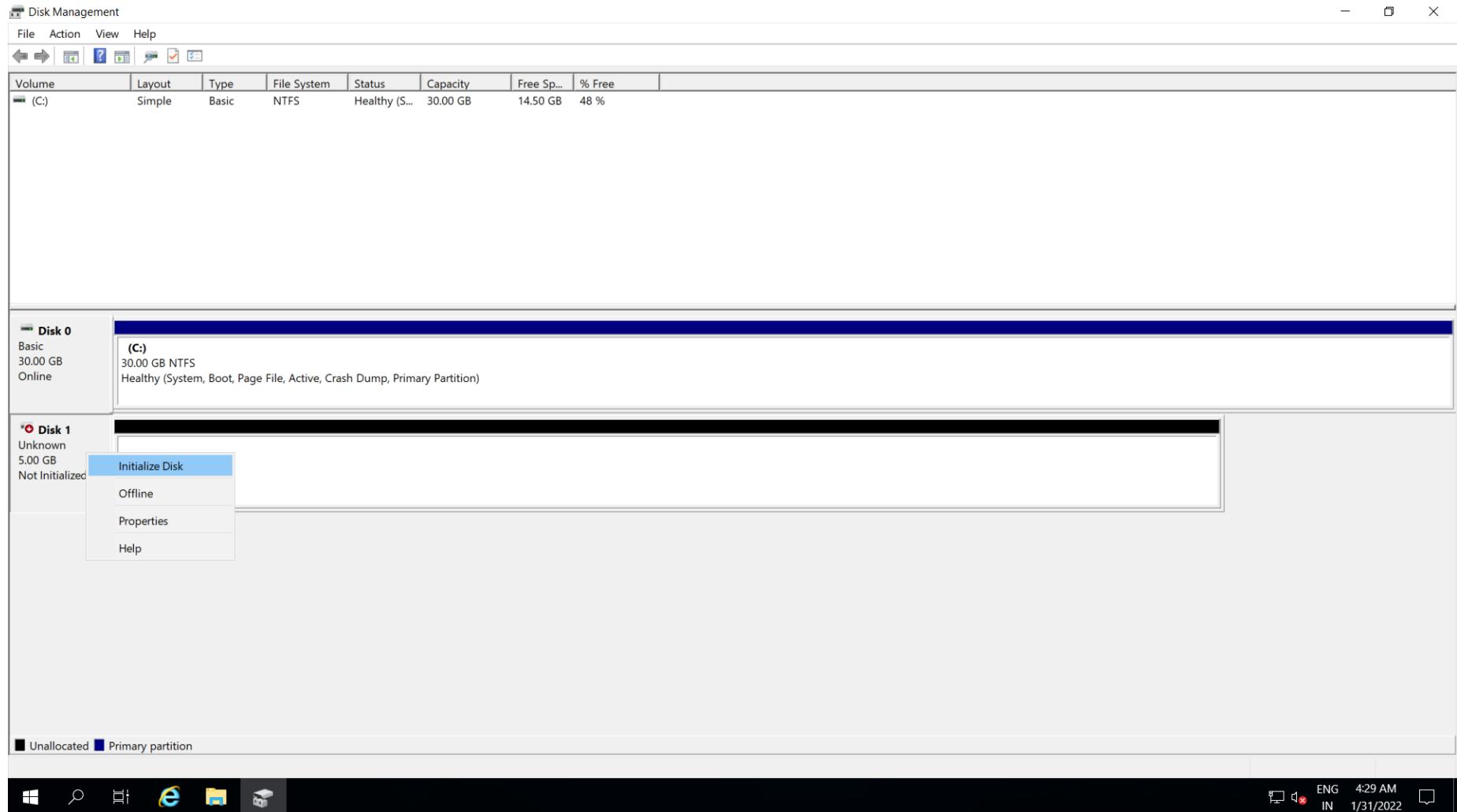
- Now go to virtual machine and search for **Disk Management**
- And click on **Create and format hard disk partitions**



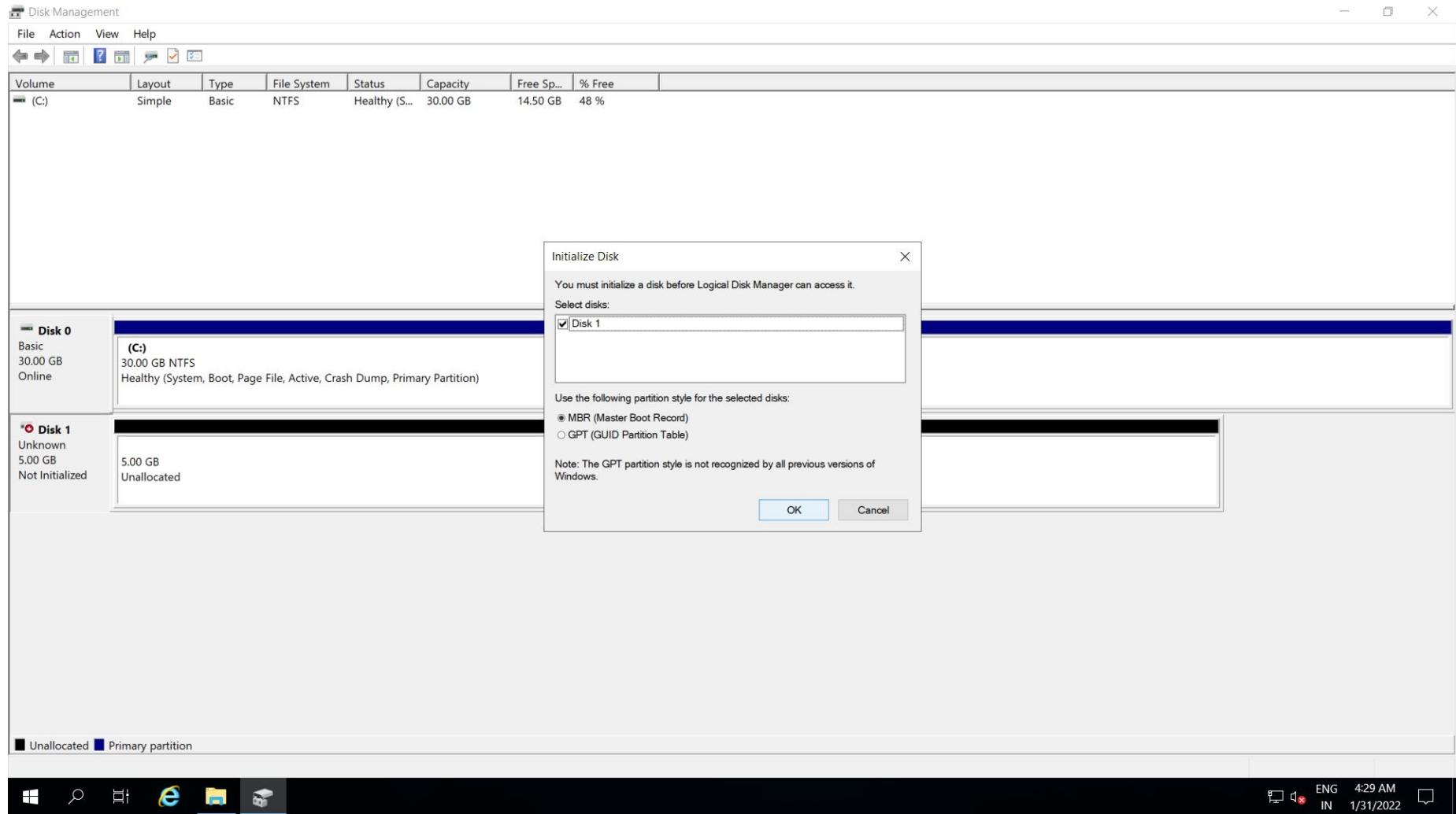
- Our 5GB storage is ready to use but we have to allocate it first.



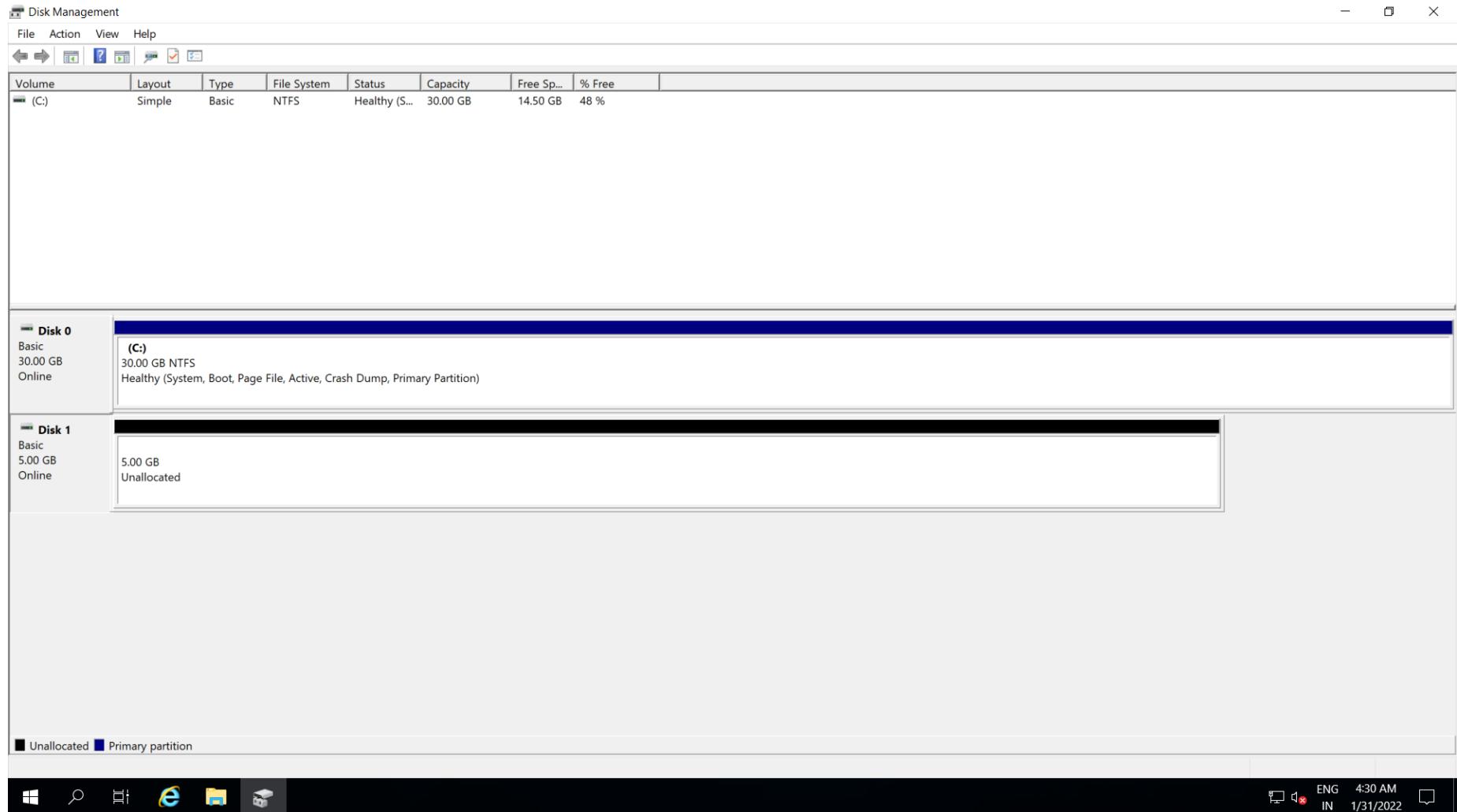
- Now right on Disk 1
- Click on Online



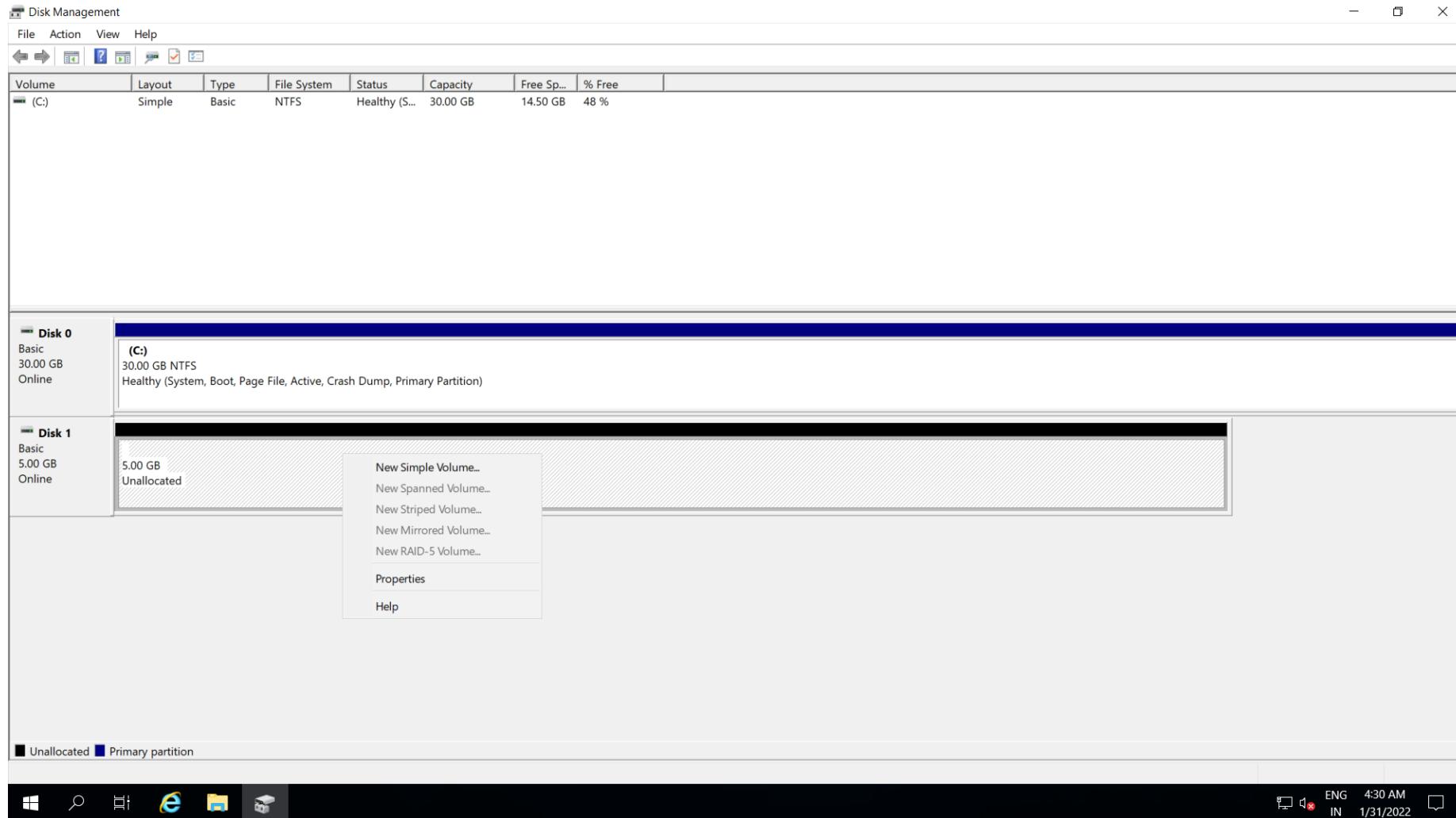
- Right click on Disk 1 and click on Initialize Disk



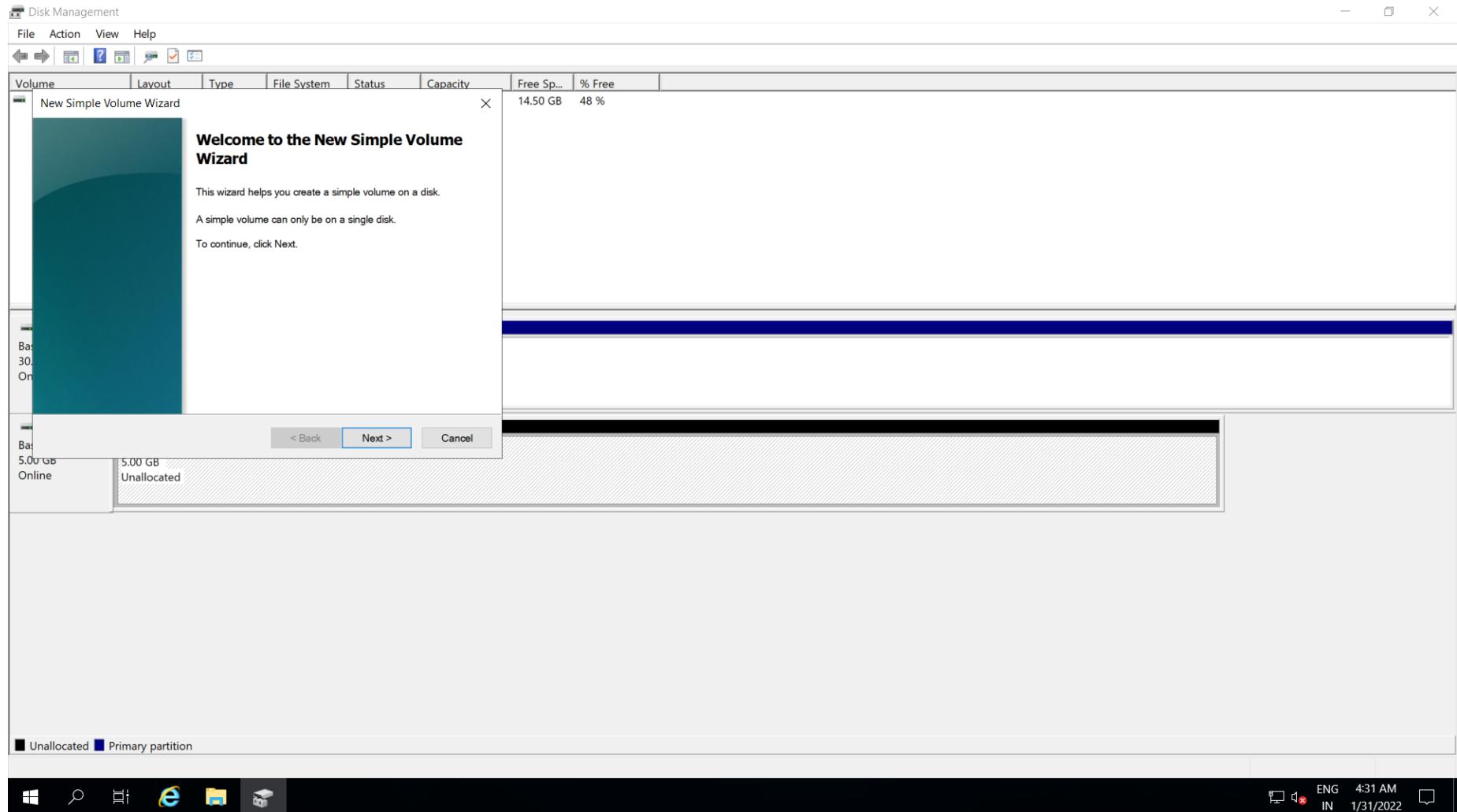
- Click on OK



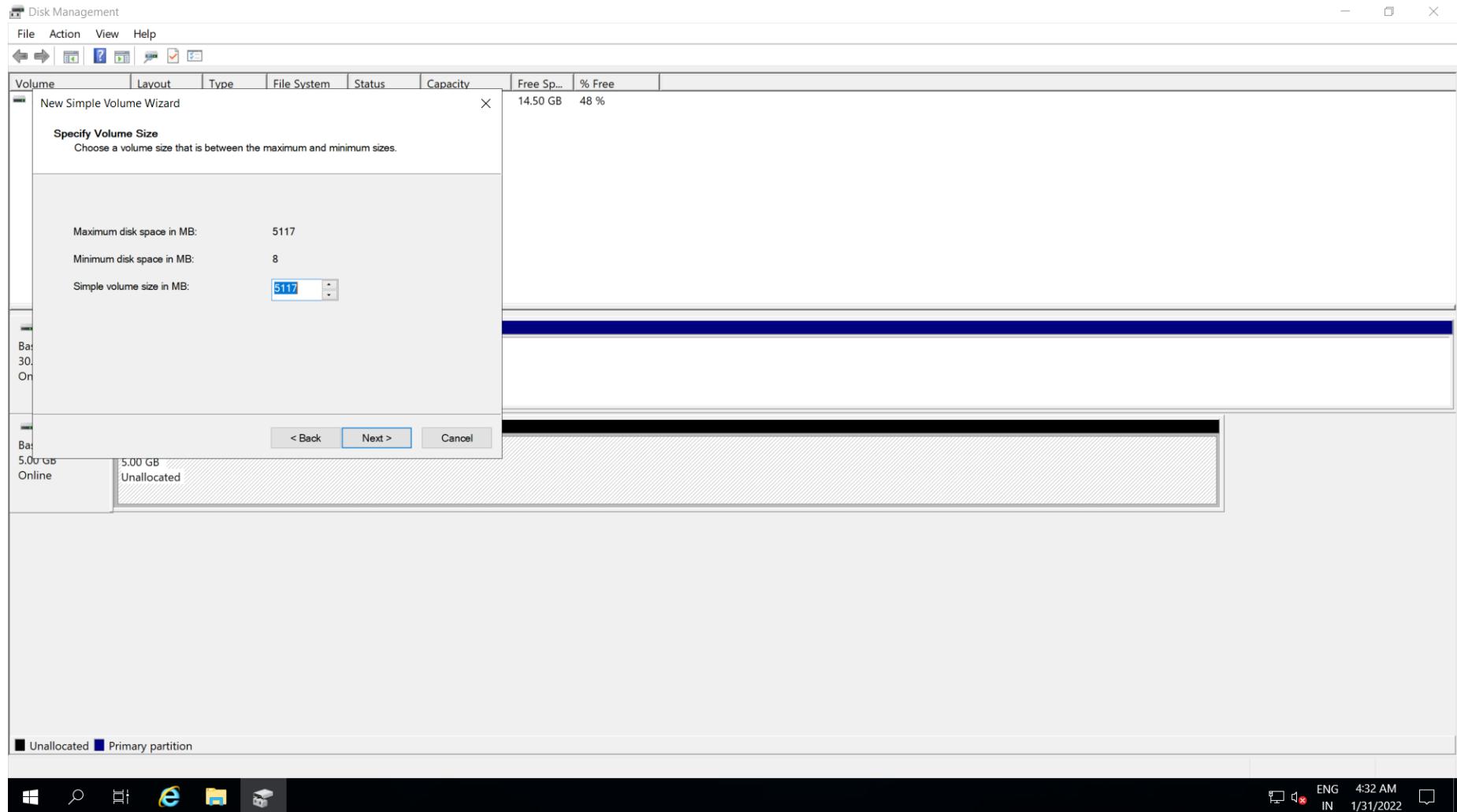
- Now it is Online



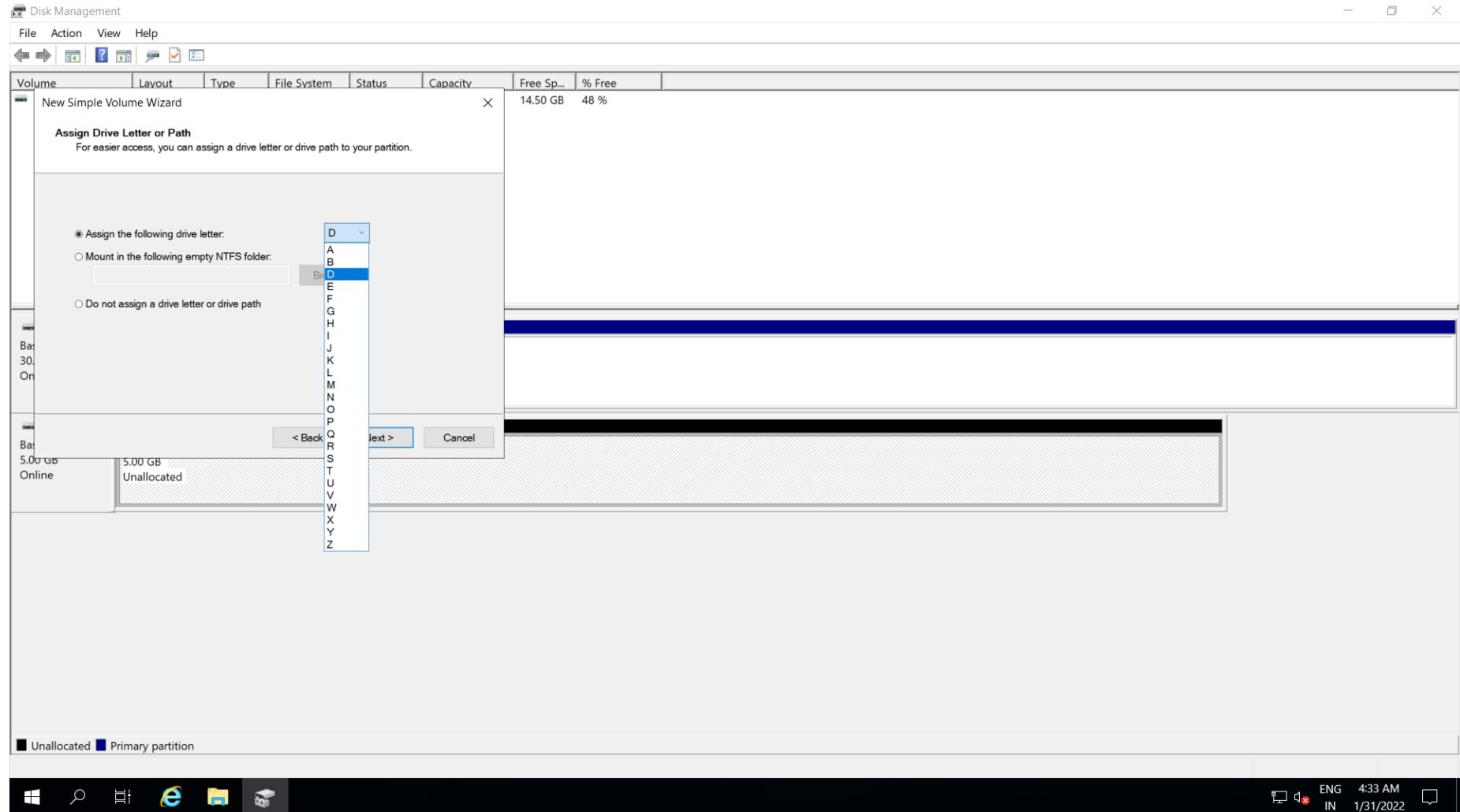
- Select the 5gb Unallocated volume so that it becomes shady.
- Now right click on it
- Then click on New Simple Volume



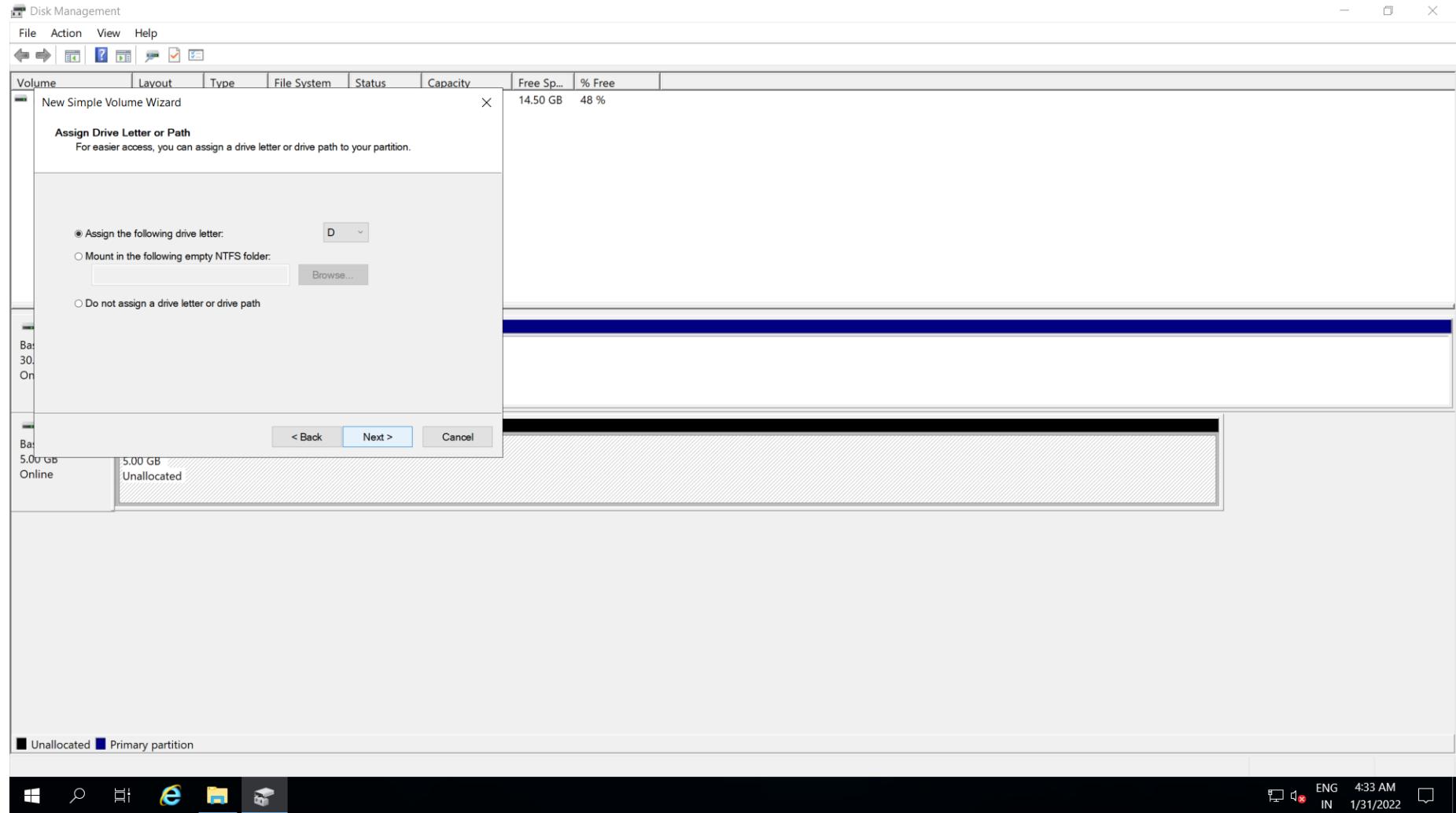
- Click on Next



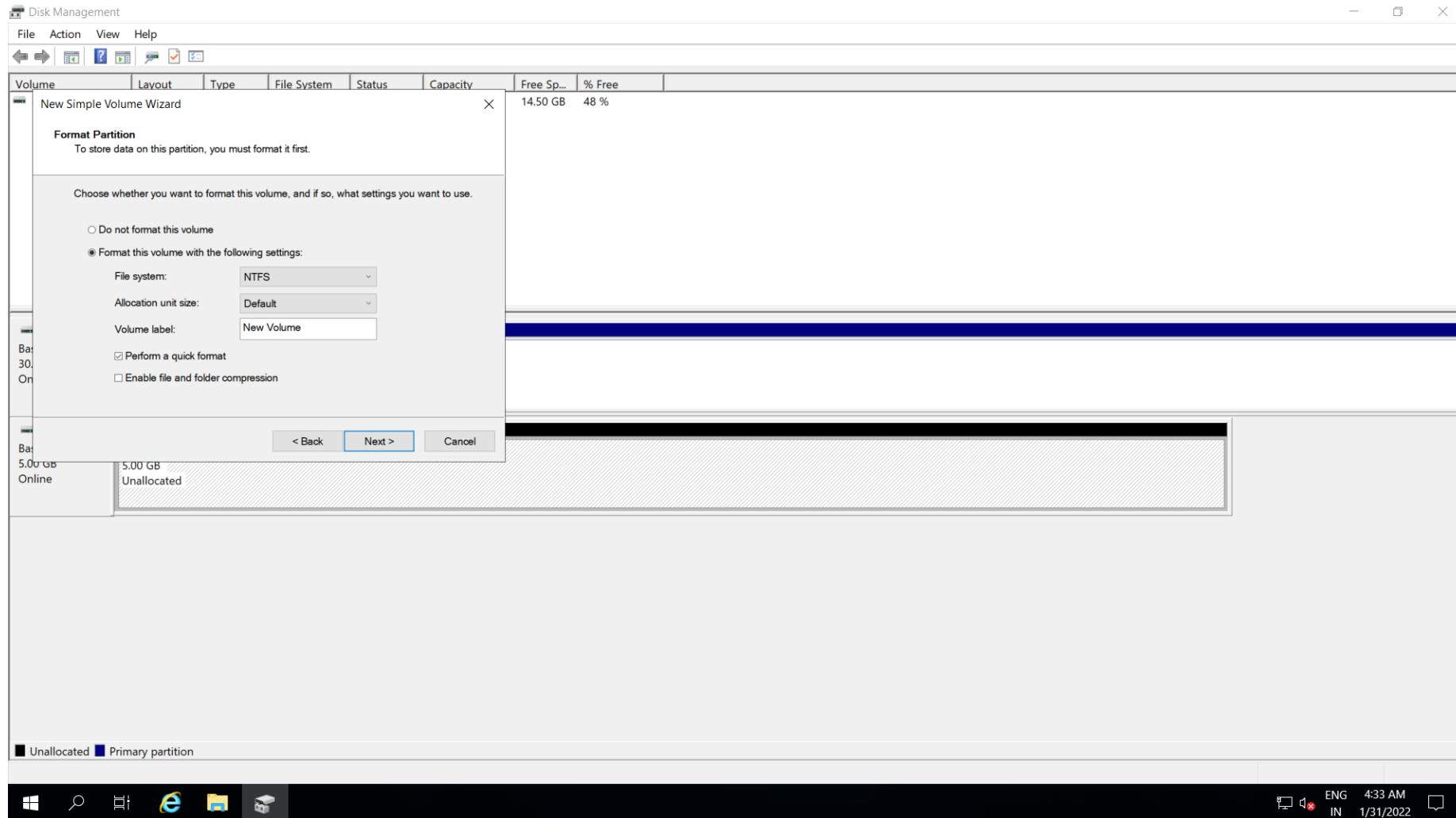
- Click on Next



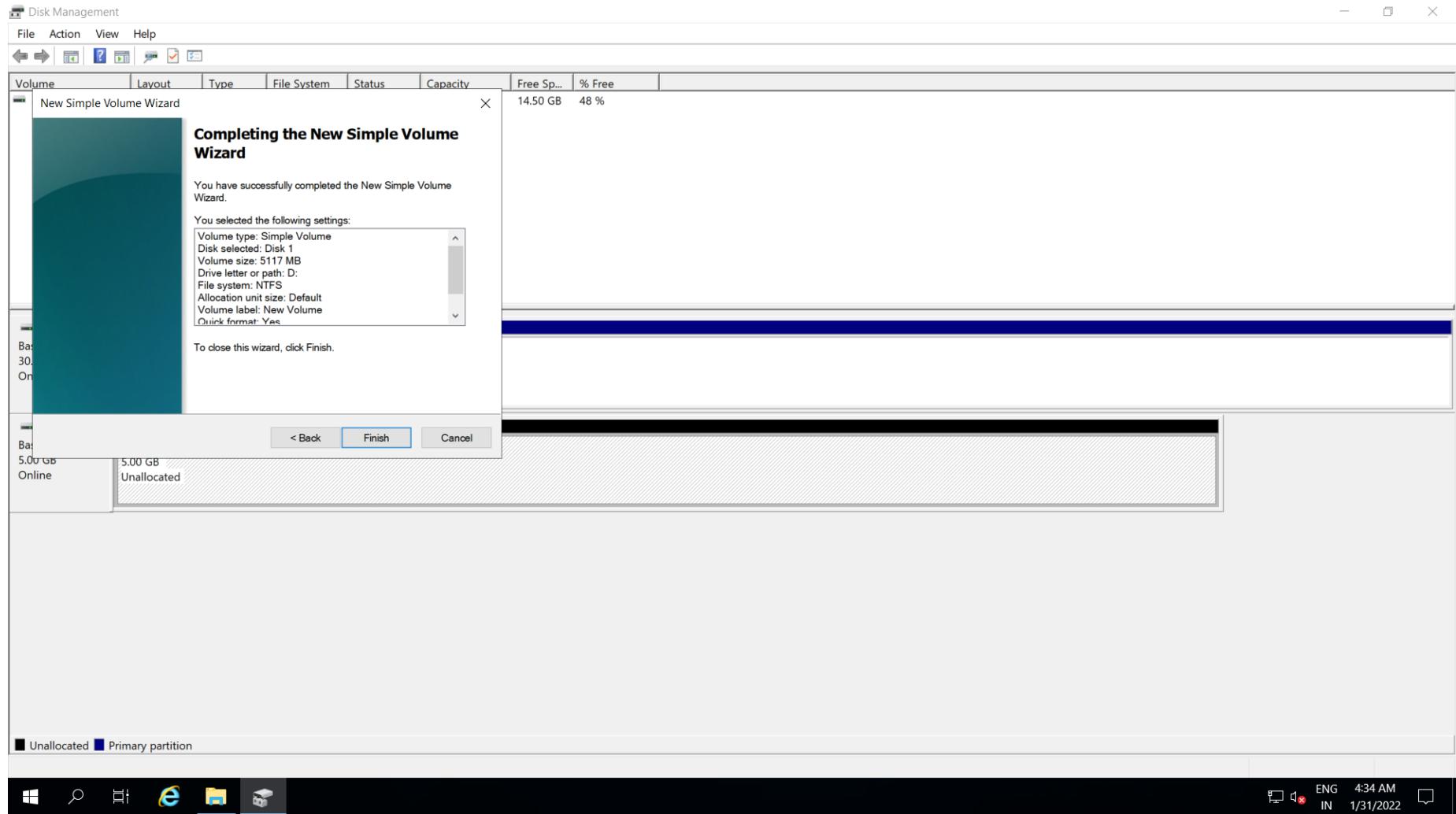
- Select any one Drive Letter of them



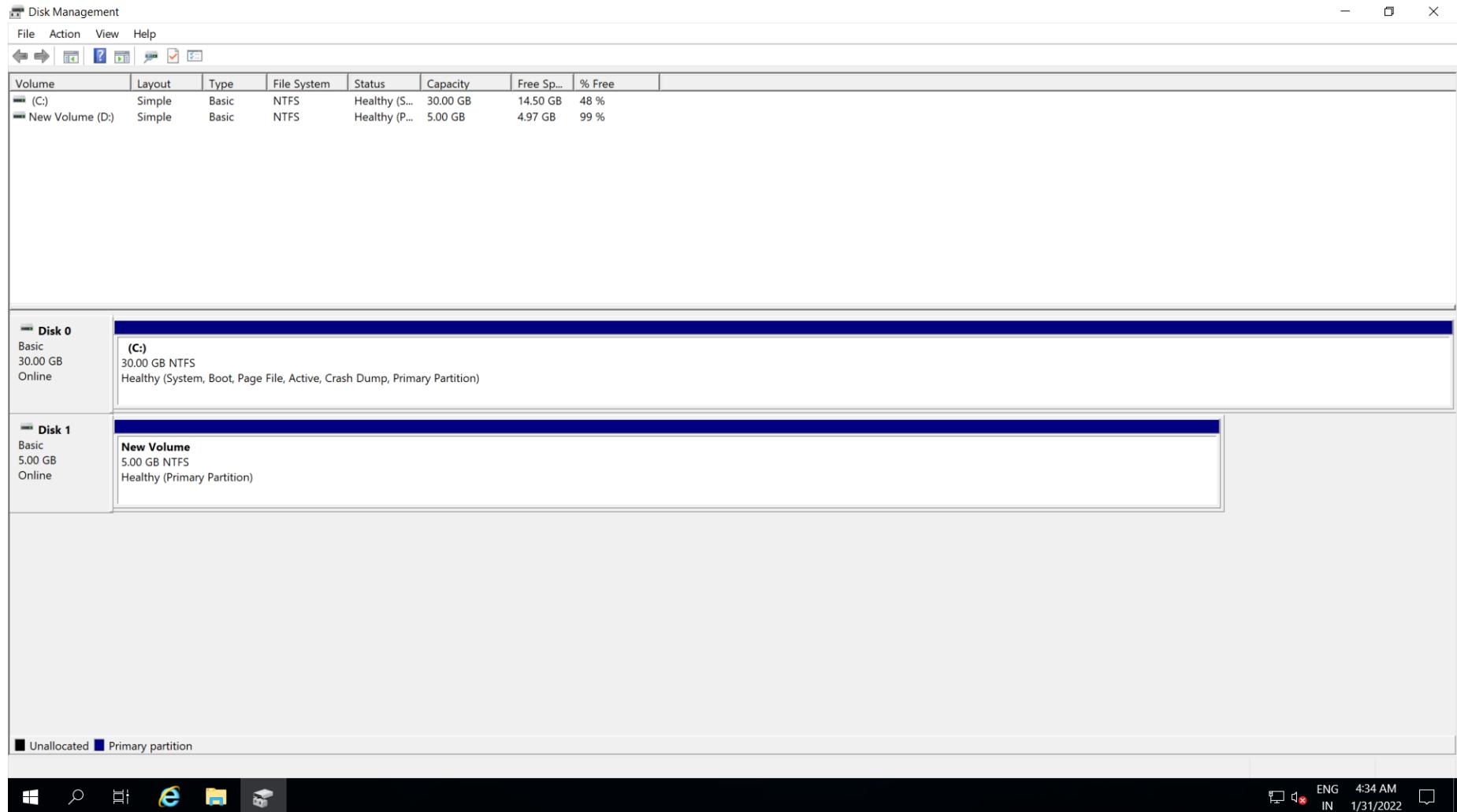
- Click on next



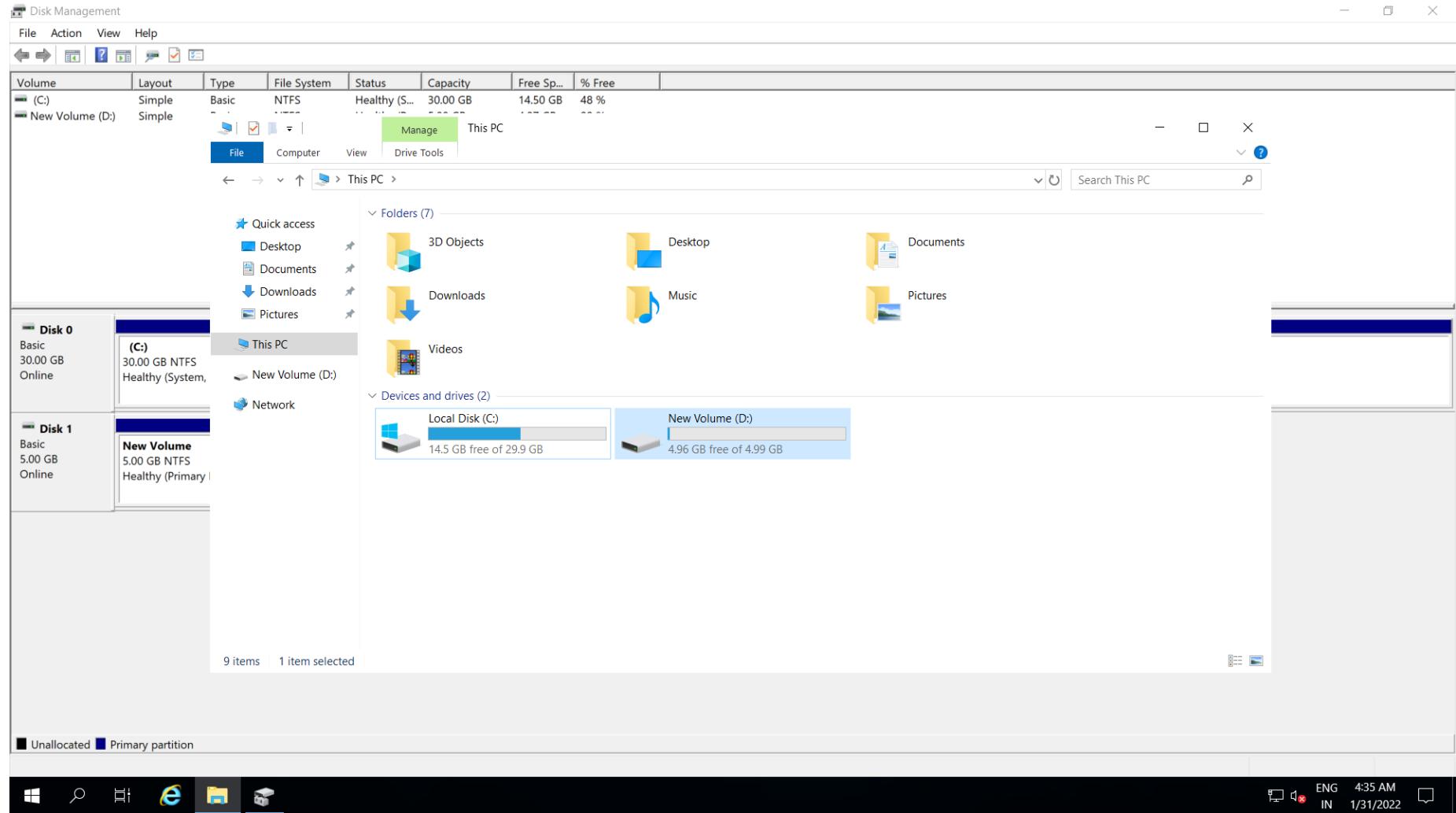
- Click on Next



- Click on Finish

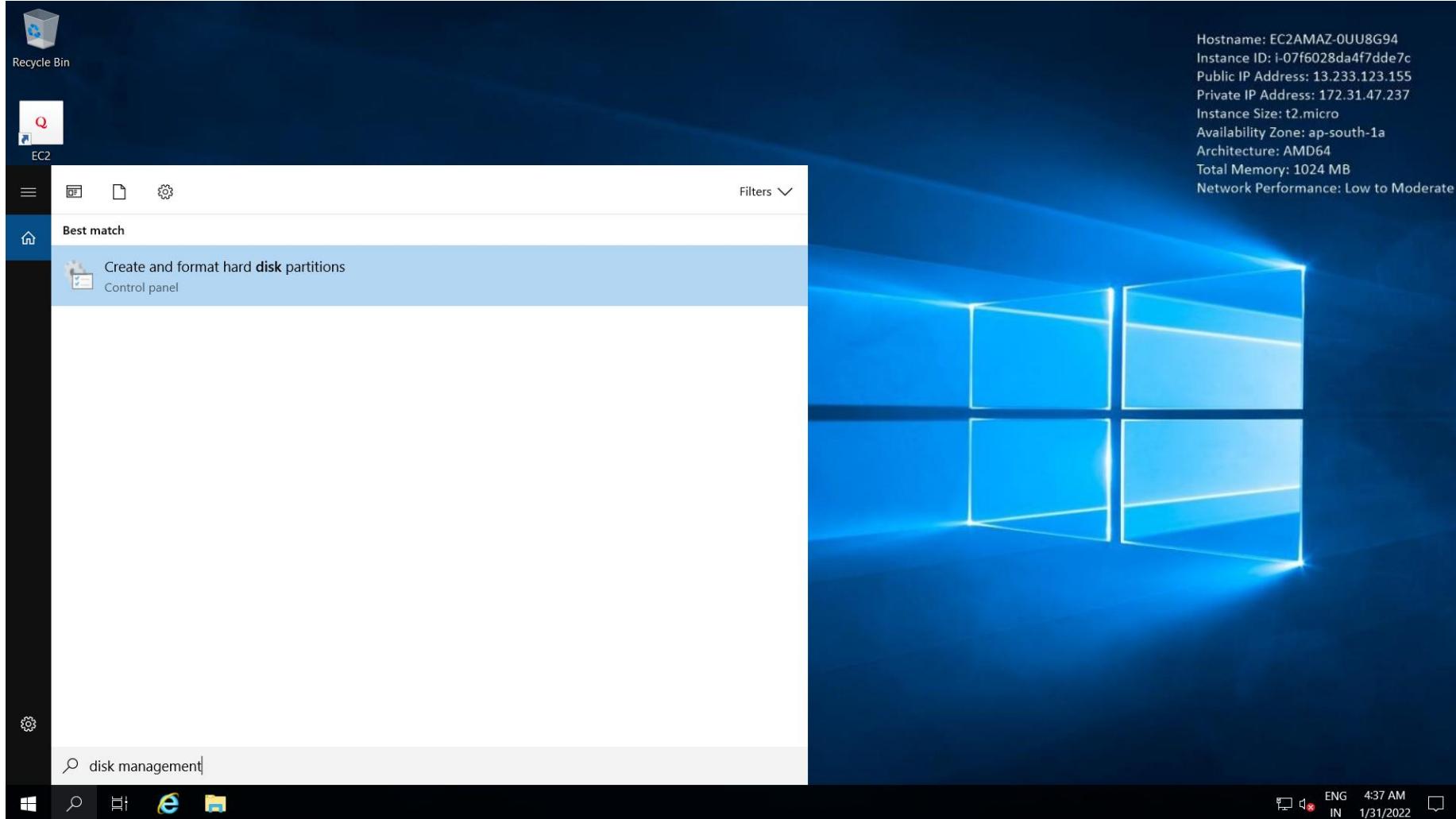


- Our 5gb Volume is in use

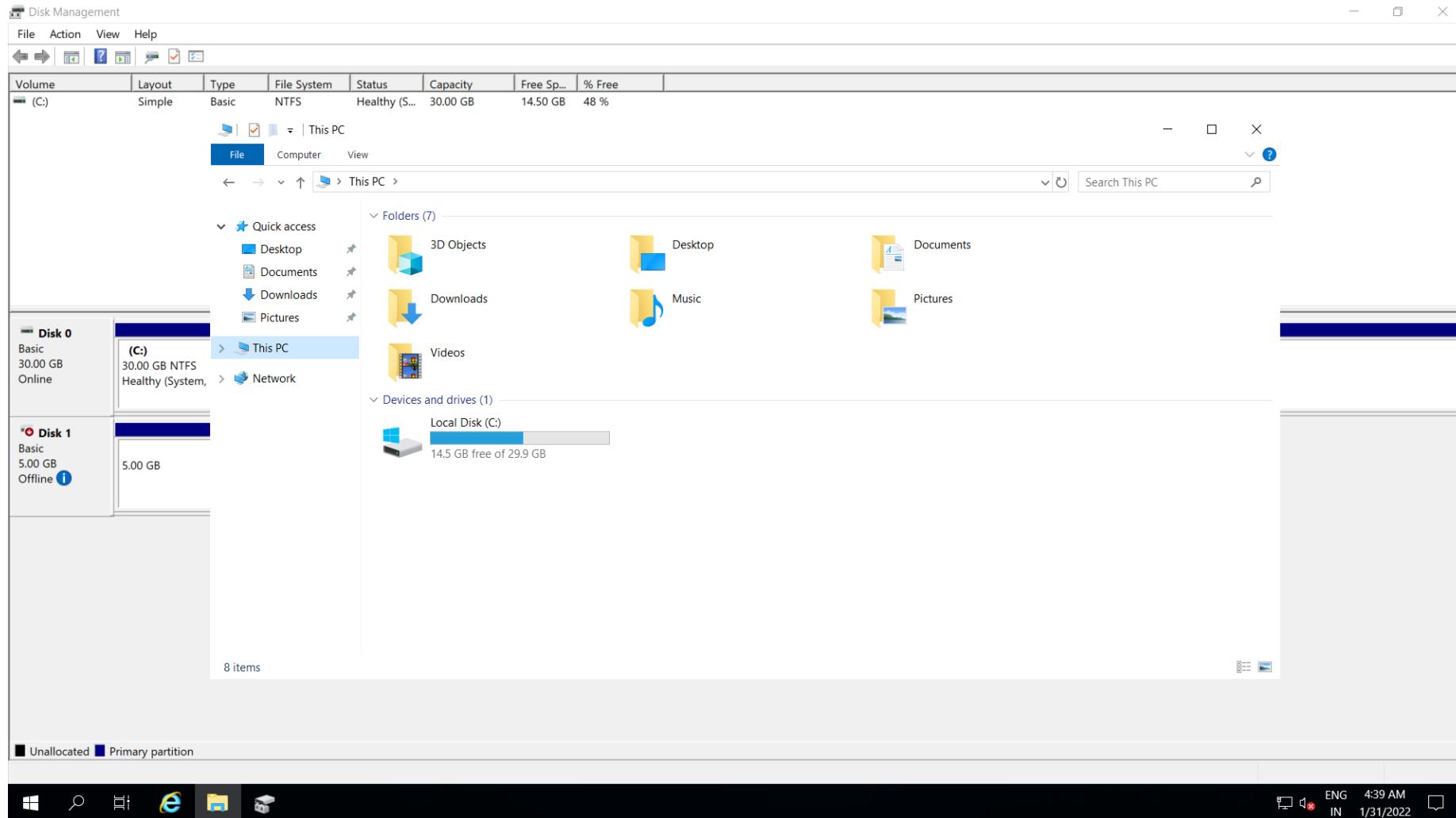


- Now you can see that our additional 5gb D Drive is created.

**To modify or increase volume in Virtual Machine  
please proceed with the following steps.**



- Go to VM search bar and search for disk management
- Click on create and format hard drive partitions.



- Now right click on Disk 1 and click on Offline
- So that you can see it is gone from file explorer.

The screenshot shows the AWS EC2 Management Console with the 'Volumes' page open. The URL in the browser is `ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Volumes:`. The left sidebar shows navigation links for EC2 Dashboard, Global View, Events, Tags, Limits, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (AMIs), and Elastic Block Store. The main content area displays a table titled 'Volumes (1/2)' with two rows of data. The columns include Volume ID, Type, Size, IOPS, Throughput, Snapshot, Created, Availability Zone, and Volume state. The first row has a Volume ID of `55bcb645d1964047`, Type `gp2`, Size `30 GiB`, IOPS `100`, Throughput `-`, Snapshot `snap-07251d0...`, Created `2022/01/31 09:42 GMT+5:...`, Availability Zone `ap-south-1a`, and Volume state `In-use`. The second row has a Volume ID of `0fe5c63be367d6777`, Type `gp2`, Size `5 GiB`, IOPS `100`, Throughput `-`, Snapshot `-`, Created `2022/01/31 09:54 GMT+5:...`, Availability Zone `ap-south-1a`, and Volume state `In-use`. A context menu is open over the second row, listing options: Create volume, Modify volume, Create snapshot, Create snapshot lifecycle policy, Delete volume, Attach volume, Detach volume, Force detach volume, Manage auto-enabled I/O, and Manage tags. At the bottom of the page, there are tabs for Details, Status checks, Monitoring, and Tags, and a Volume ID summary: `Volume ID: vol-0fe5c63be367d6777 (5gb-volume)`. The footer includes links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons.

Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state
55bcb645d1964047	gp2	30 GiB	100	-	snap-07251d0...	2022/01/31 09:42 GMT+5:...	ap-south-1a	In-use
0fe5c63be367d6777	gp2	5 GiB	100	-	-	2022/01/31 09:54 GMT+5:...	ap-south-1a	In-use

- Now go to AWS console.
- Select the volume
- Right click on it
- Click on Detach Volume

The screenshot shows the AWS EC2 Management Console with the following details:

- Open Tabs:** WhatsApp (3), Volumes | EC2 Management Con..., 3rd-practical.pem
- Address Bar:** ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Volumes
- Sidebar:** New EC2 Experience (Tell us what you think), EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances), Images (AMIs, AMI Catalog), Elastic Block Store.
- Main Content:** Volumes (1/2) table with two rows:

Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state
55bcb645d1964047	gp2	30 GiB	100	-	snap-07251d0...	2022/01/31 09:42 GMT+5:...	ap-south-1a	In-use
0fe5c63be367d6777	gp2	5 GiB	100	-	-	2022/01/31 09:54 GMT+5:...	ap-south-1a	In-use
- Modal Dialog:** Detach vol-0fe5c63be367d6777? (Cancel, Detach)
- Bottom Bar:** © 2022, Amazon Internet Services Private Ltd. or its affiliates., Privacy, Terms, Cookie preferences, Feedback, English (US), ENG IN, 10:13 AM, 1/31/2022, 1 notification.

- Click on Detach

The screenshot shows the AWS EC2 Management Console with the 'Volumes' page open. The left sidebar includes links for EC2 Dashboard, Events, Tags, Limits, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (with sub-links for AMIs, AMI Catalog), and Elastic Block Store. The main content area displays a table titled 'Volumes (1/2)' with the following data:

Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state	Alarm status
gp2	30 GiB	100	-	snap-07251d0...	2022/01/31 09:42 GMT+5:...	ap-south-1a	In-use	No alarms
gp2	5 GiB	100	-	-	2022/01/31 09:54 GMT+5:...	ap-south-1a	Available	No alarms

Below the table, a message indicates 'Volume ID: vol-0fe5c63be367d6777 (5gb-volume)'. The bottom navigation bar includes tabs for Details, Status checks, Monitoring, and Tags, with 'Details' being the active tab.

- As you can see volume status changed from in-use to Available

The screenshot shows the AWS EC2 Management Console with the 'Volumes' page open. The left sidebar includes sections for EC2 Dashboard, Events, Tags, Limits, Instances (with sub-options like Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (AMIs, AMI Catalog), and Elastic Block Store. The main area displays a table of volumes with columns: Type, Size, IOPS, Throughput, Snapshot, Created, Availability Zone, Volume state, and Alarm status. Two volumes are listed: one 30 GiB gp2 volume in use and one 5 GiB gp2 volume available. A context menu is open over the 5 GiB volume, with 'Modify volume' selected. Other options in the menu include Create volume, Create snapshot, Create snapshot lifecycle policy, Delete volume, Attach volume, Detach volume, Force detach volume, Manage auto-enabled I/O, and Manage tags. At the bottom, there's a Volume ID: vol-0fe5c63be367d6777 (5gb-volume) and tabs for Details, Status checks, Monitoring, and Tags. The footer contains links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons.

- Now select volume and right click on it
- Click on Modify Volume

The screenshot shows the AWS Management Console interface for modifying an EBS volume. The top navigation bar includes tabs for WhatsApp, Modify volume | EC2 Management, and 3rd-practical.pem. The main header bar has links for Apps, Google, SOCIAL, New folder, PDF Lake IMP, Backlink, MPSC Online, Google, YouTube, Marathi Typing | En..., Majhi Naukri | माझी..., Other bookmarks, and Reading list. The AWS logo and Services menu are on the left, along with a search bar and a [Alt+S] keyboard shortcut. The breadcrumb path indicates the user is in the EC2 > Volumes > vol-0fe5c63be367d6777 > Modify volume section. The main content area is titled "Modify volume" with an "Info" link. It displays the current volume details: Volume ID (vol-0fe5c63be367d6777), Volume type (General Purpose SSD (gp2)), Size (5 GiB), and IOPS (100/3000). Below these fields are dropdown menus for selecting new values. At the bottom right are "Cancel" and "Modify" buttons, with the "Modify" button being orange.

- This type of screen will appear

The screenshot shows the AWS EC2 Modify Volume interface. At the top, there are three tabs: WhatsApp, Modify volume | EC2 Management, and 3rd-practical.pem. The URL in the address bar is ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#ModifyVolume:volumId=vol-0fe5c63be367d6777. The browser's bookmarks bar includes links to Apps, Google, Satish DevOps Engg, SOCIAL, New folder, PDF Lake IMP, Backlink, MPSC Online, YouTube, Marathi Typing | En..., Majhi Naukri | माझी..., Other bookmarks, and Reading list. The AWS navigation bar shows Services, a search bar with placeholder 'Search for services, features, blogs, docs, and more' and keyboard shortcut [Alt+S], and user information for Mumbai and Satish DevOps Engineer.

The main content area shows the 'Modify volume' page for volume ID vol-0fe5c63be367d6777. The 'Volume details' section includes:

- Volume ID:** vol-0fe5c63be367d6777 (5gb-volume)
- Volume type:** General Purpose SSD (gp2)
- Size (GiB):** 10 (with a note: Min: 1 GiB, Max: 16384 GiB. The value must be an integer.)
- IOPS:** 100/3000 (Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS.)

At the bottom of the form are 'Cancel' and 'Modify' buttons. The footer contains links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons for ENG IN, 10:14 AM, and 1/31/2022.

- Increase volume size as per your requirement.
- Here I entered 10gb from 5gb

The screenshot shows a browser window with three tabs open: WhatsApp, Modify volume | EC2 Management, and 3rd-practical.pem. The main content area is the 'Modify volume' page for an EBS volume with ID vol-0fe5c63be367d6777. The page title is 'Modify volume' with an 'Info' link. Below it, a sub-header says 'Modify the type, size, and performance of an EBS volume.' A 'Volume details' section contains the following fields:

- Volume ID:** vol-0fe5c63be367d6777 (5gb-volume)
- Volume type:** General Purpose SSD (gp2) (selected from a dropdown menu)
- Size (GiB):** 10 (input field with a dropdown arrow)
- IOPS:** 100/3000 (Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS)

At the bottom of the form are 'Cancel' and 'Modify' buttons. The browser's address bar shows the URL: ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#ModifyVolume:volumId=vol-0fe5c63be367d6777. The top navigation bar includes links for Apps, Google, Satish DevOps Engg, SOCIAL, New folder, PDF Lake IMP, Backlink, MPSC Online, YouTube, Marathi Typing | En..., Majhi Naukri | माझी..., Other bookmarks, and Reading list. On the right, there are icons for user profile, Mumbai, and Satish DevOps Engineer.

- Click on Modify

The screenshot shows a browser window with three tabs open: WhatsApp, Modify volume | EC2 Management, and 3rd-practical.pem. The main content area is the AWS EC2 Modify Volume page. A modal dialog box titled "Modify vol-0fe5c63be367d6777?" is displayed, asking if the user is sure they want to modify the volume. The dialog includes instructions about extending the file system, a note about completion time, and a link to EBS Pricing. At the bottom of the dialog are "Cancel" and "Modify" buttons. The background shows the EC2 Volumes page with a volume ID of vol-0fe5c63be367d6777 selected. The left sidebar shows Volume details: Volume ID (vol-0fe5c63be367d6777), Volume type (General Purpose SSD (gp2)), Size (10 GiB), and IOPS (100/3000). The bottom of the screen shows the AWS navigation bar with links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons.

• Click on Modify

The screenshot shows the AWS EC2 Management Console with three tabs open: WhatsApp, Volumes | EC2 Management Con..., and 3rd-practical.pem. The main view is the Volumes page, which displays two volumes: one 30 GiB gp2 volume (In-use) and one 10 GiB gp2 volume (Available). A success message at the top says "Successfully detached volume." The left sidebar shows navigation options for EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The bottom navigation bar includes links for Details, Status checks, Monitoring, Tags, Feedback, English (US), and cookie preferences.

Successfully detached volume.

Volumes (1/2)

Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state
gp2	30 GiB	100	-	snap-07251d0...	2022/01/31 09:42 GMT+5:...	ap-south-1a	In-use
gp2	10 GiB	100	-	-	2022/01/31 09:54 GMT+5:...	ap-south-1a	Available

Volume ID: vol-0fe5c63be367d6777 (5gb-volume)

Details Status checks Monitoring Tags

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ENG IN 10:26 AM 1/31/2022

- You can see it is changed from 5gb to 10gb and wait till you get the volume status as Available

The screenshot shows the AWS EC2 Management Console with the URL [ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Volumes](https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Volumes). The browser tab bar includes (2) WhatsApp, Volumes | EC2 Management Con..., and 3rd-practical.pem. The AWS logo and Services navigation bar are at the top. A search bar says "Search for services, features, blogs, docs, and more". The left sidebar has sections for New EC2 Experience, EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with sub-options like Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (AMIs), and Elastic Block Store. The main content area shows a green success message: "Successfully detached volume." Below it is a table titled "Volumes (1/2)" with two rows:

	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state
54047	gp2	30 GiB	100	-	snap-07251d0...	2022/01/31 09:42 GMT+5:30	ap-south-1a	<span>In-use</span>
6777	gp2	10 GiB	100	-	-	2022/01/31 09:54 GMT+5:30	ap-south-1a	<span>Available</span>

A context menu is open over the second volume (ID 6777), listing options: Create volume, Modify volume, Create snapshot, Create snapshot lifecycle policy, Delete volume, Attach volume, Detach volume, Force detach volume, Manage auto-enabled I/O, and Manage tags.

At the bottom, the Volume ID is shown as vol-0fe5c63be367d6777 (5gb-volume). The footer includes links for Details, Status checks, Monitoring, Tags, Feedback, English (US), Privacy, Terms, and Cookie preferences. The status bar shows ENG IN, 10:27 AM, 1/31/2022, and a battery icon.

- Select volume and right click on it
- Click on Attach Volume

The screenshot shows the AWS EC2 Attach volume interface. At the top, there are three tabs: WhatsApp (2), Attach volume | EC2 Manager, and 3rd-practical.pem. The URL in the address bar is ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#AttachVolume:volumId=vol-0fe5c63be367d6777. The browser toolbar includes Back, Forward, Stop, Refresh, Home, and various bookmarks. The main navigation bar has Services selected, with a search bar for "Search for services, features, blogs, docs, and more" and a keyboard shortcut [Alt+S]. The user is located in Mumbai, and the profile is Satis DevOps Engineer.

The breadcrumb navigation shows: EC2 > Volumes > vol-0fe5c63be367d6777 > Attach volume.

The main content area is titled "Attach volume" with an "Info" link. A sub-instruction says "Attach a volume to an instance to use it as you would a regular physical hard disk drive."

A "Basic details" section displays:

- Volume ID: vol-0fe5c63be367d6777 (5gb-volume)
- Availability Zone: ap-south-1a

An "Instance" section shows a dropdown menu with the following entries:

- i-07f6028da4f7dde7c (3rd-practical) (running)

At the bottom of the dialog are "Cancel" and "Attach volume" buttons.

The footer of the browser window includes links for Feedback, English (US), Privacy, Terms, and Cookie preferences. It also shows the copyright notice © 2022, Amazon Internet Services Private Ltd. or its affiliates. The system status bar at the bottom right shows ENG IN, 10:27 AM, 1/31/2022, and a battery icon.

- Select instance
- Click on Attach volume

The screenshot shows the AWS EC2 Management Console with the URL [ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Volumes](https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Volumes). The browser tab bar includes three tabs: WhatsApp, Volumes | EC2 Management Con..., and 3rd-practical.pem. The main navigation bar has links for Apps, Google, Satish DevOps Engg, SOCIAL, New folder, PDF Lake IMP, Backlink, MPSC Online, YouTube, Marathi Typing | En..., Majhi Naukri | माझी..., Other bookmarks, and Reading list. The AWS logo and Services link are also present.

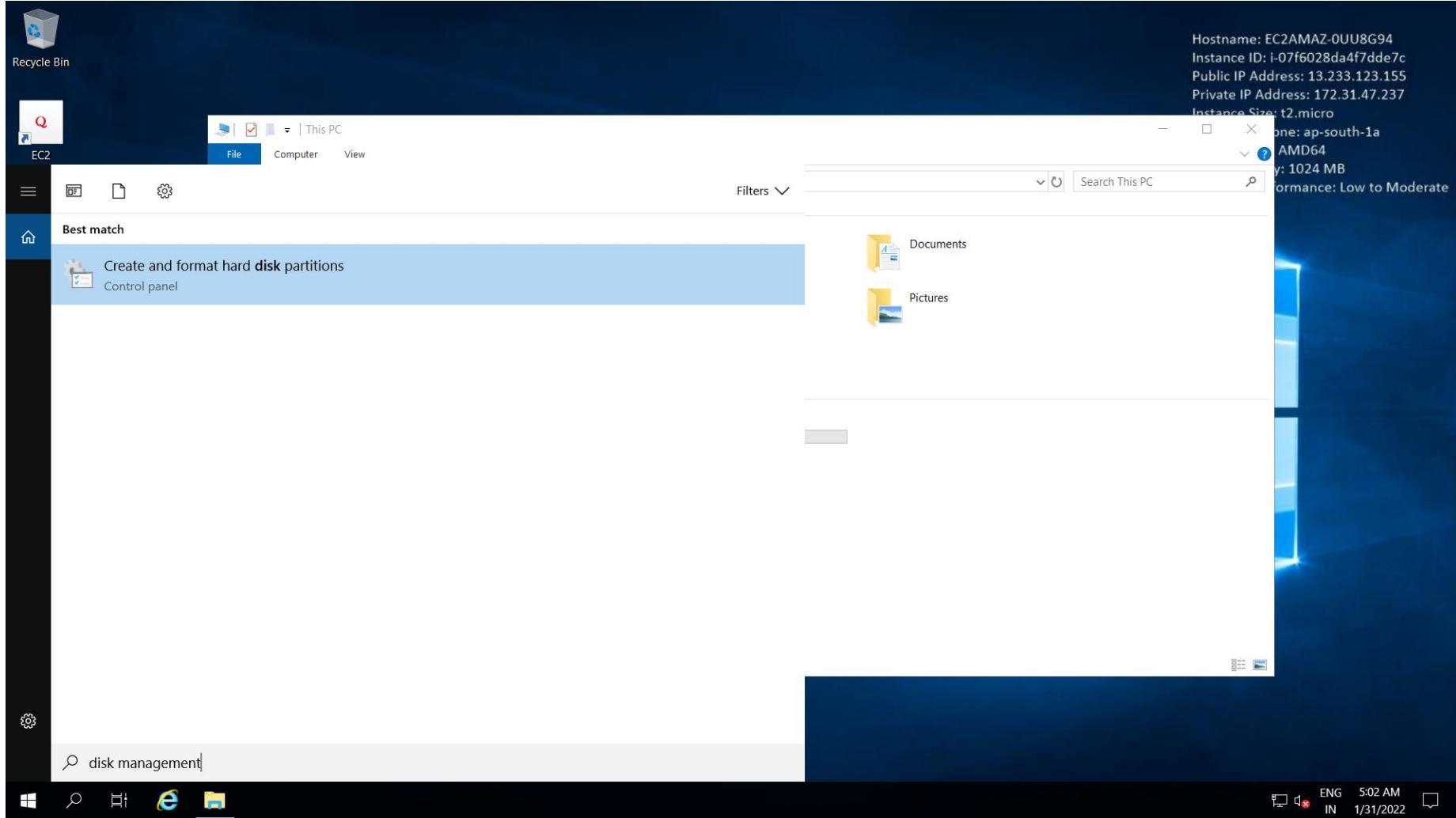
A modal message at the top right says "Successfully attached volume vol-0fe5c63be367d6777 to instance i-07f6028da4f7dde7c." Below it, the "Volumes (1/2)" table lists two volumes:

Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state
5bcb645d1964047	gp2	30 GiB	100	-	snap-07251d0...	2022/01/31 09:42 GMT+5...	ap-south-1a	<span>In-use</span>
0fe5c63be367d6777	gp2	10 GiB	100	-	-	2022/01/31 09:54 GMT+5...	ap-south-1a	<span>In-use</span>

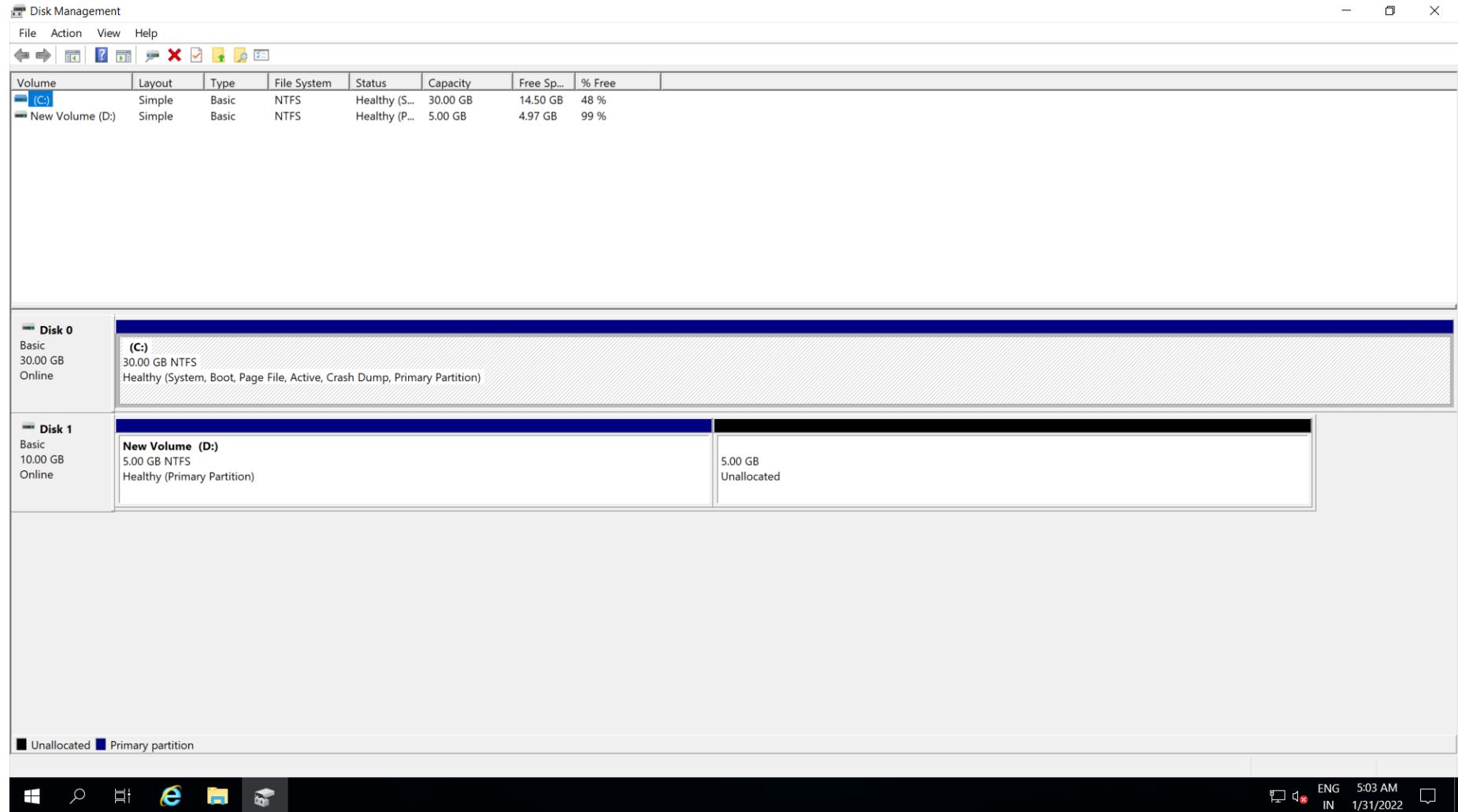
The left sidebar shows the navigation menu with sections like New EC2 Experience, EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The Instances section is expanded, showing sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, and Capacity Reservations. The Images section is also expanded, showing AMIs and AMI Catalog. The Elastic Block Store section is expanded, showing Details, Status checks, Monitoring, and Tags. The bottom navigation bar includes Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons for ENG IN, battery level, and date/time (10:27 AM, 1/31/2022).

- Our volume status In-use.

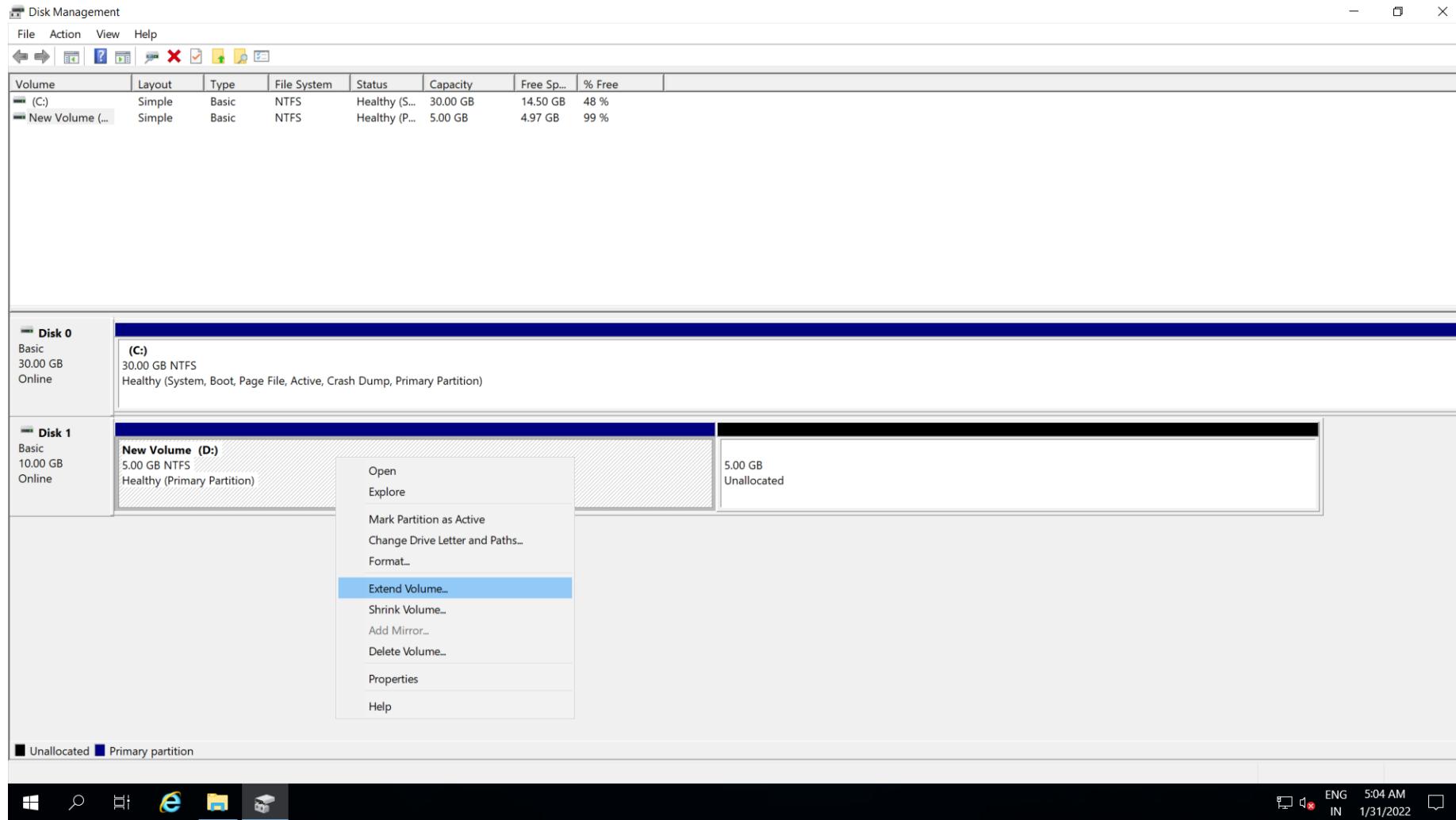
Now go to your Virtual Machine



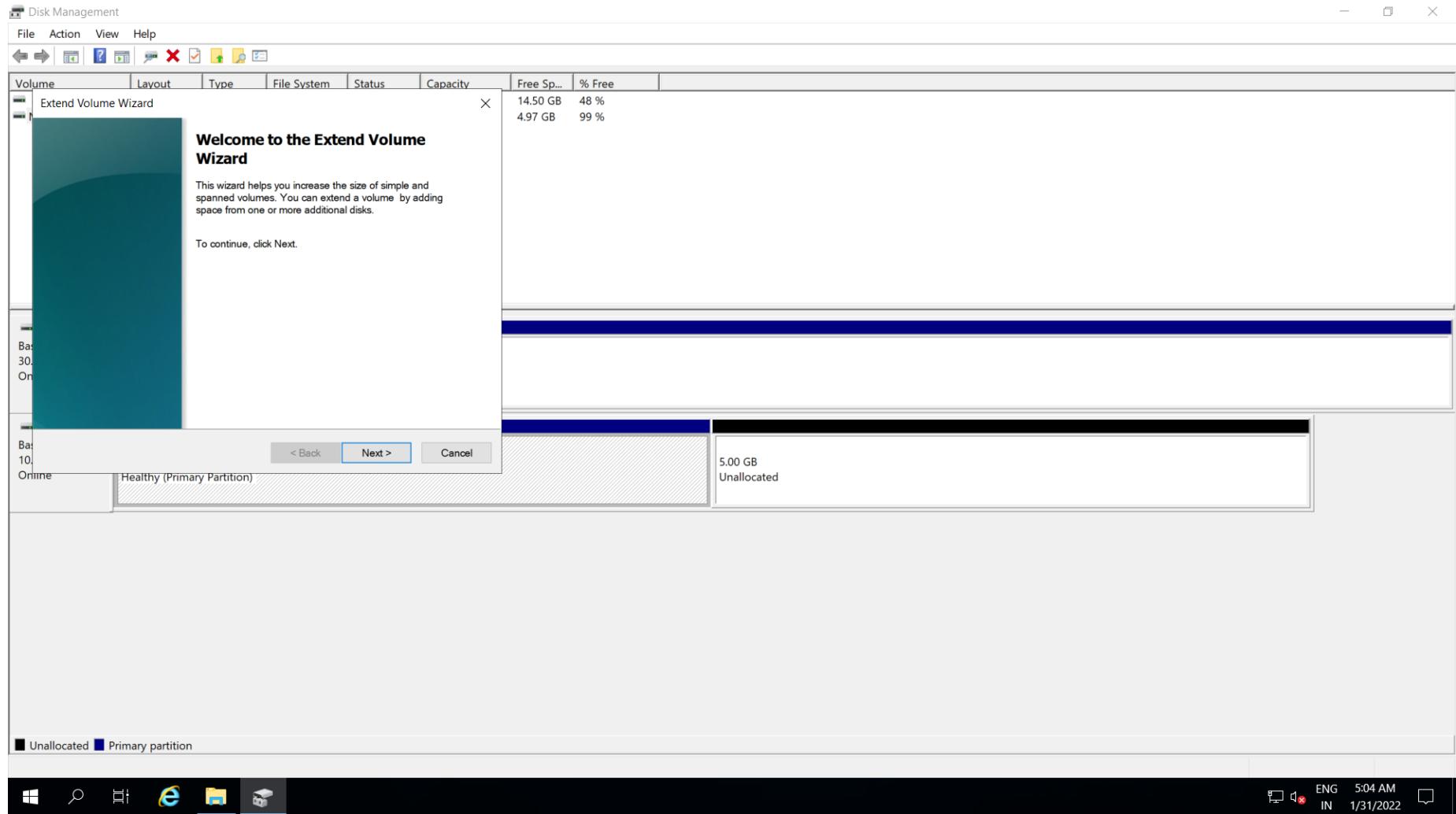
- Now go to the disk management of our Virtual machine



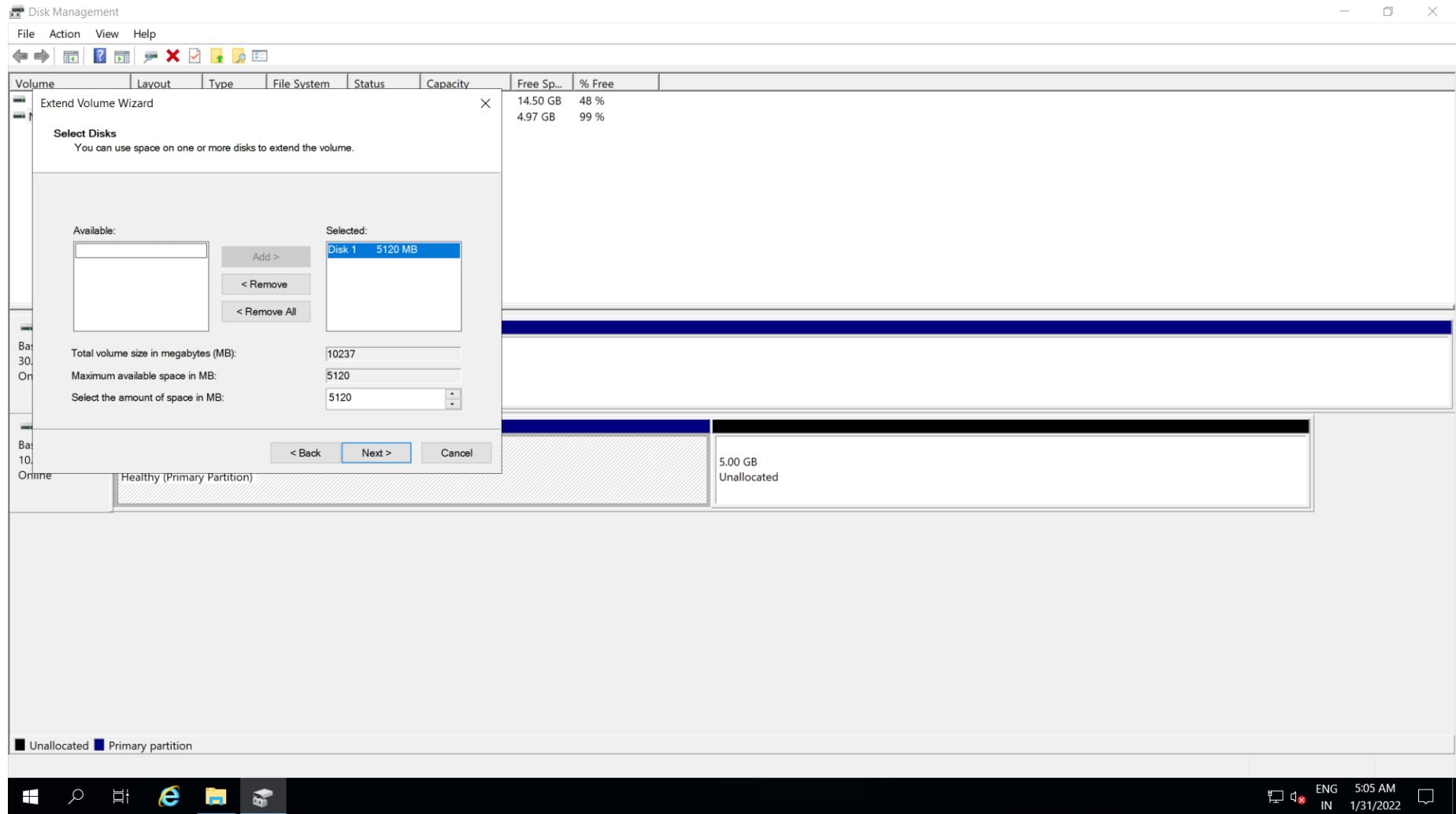
- As now you can see our volume is added but not allocated.



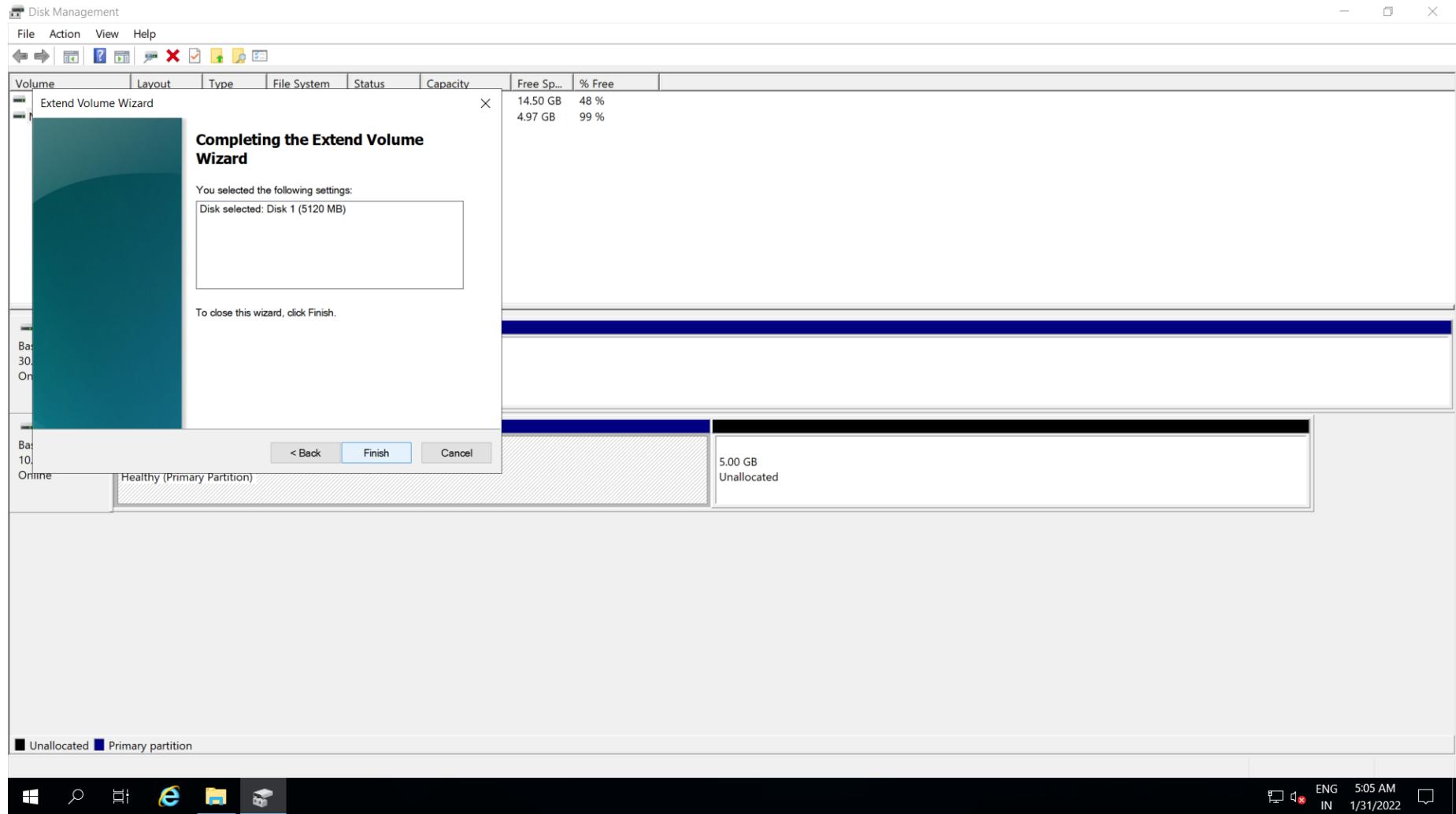
- Now right click on New Volume D
- Click on Extend Volume



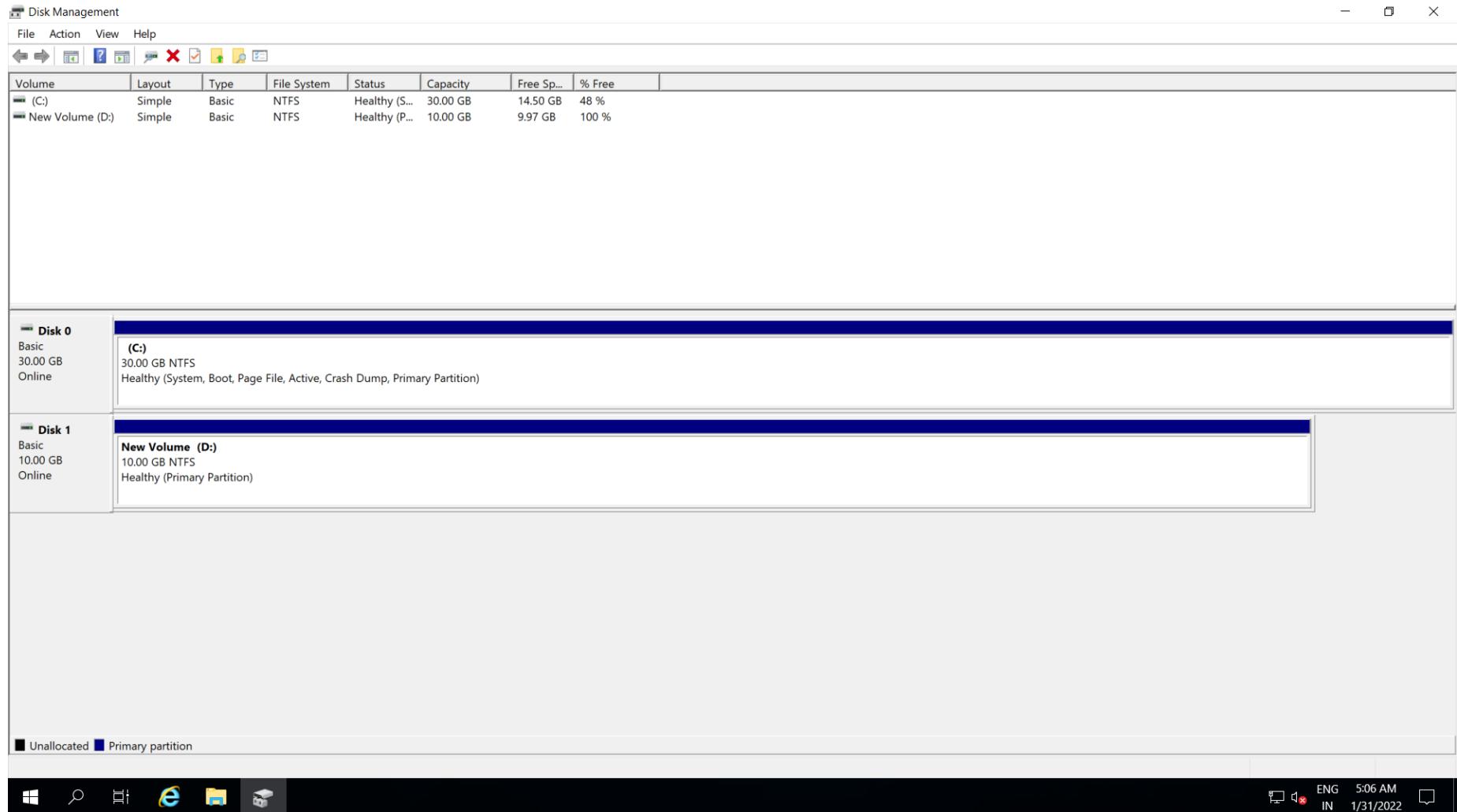
- Click on Next



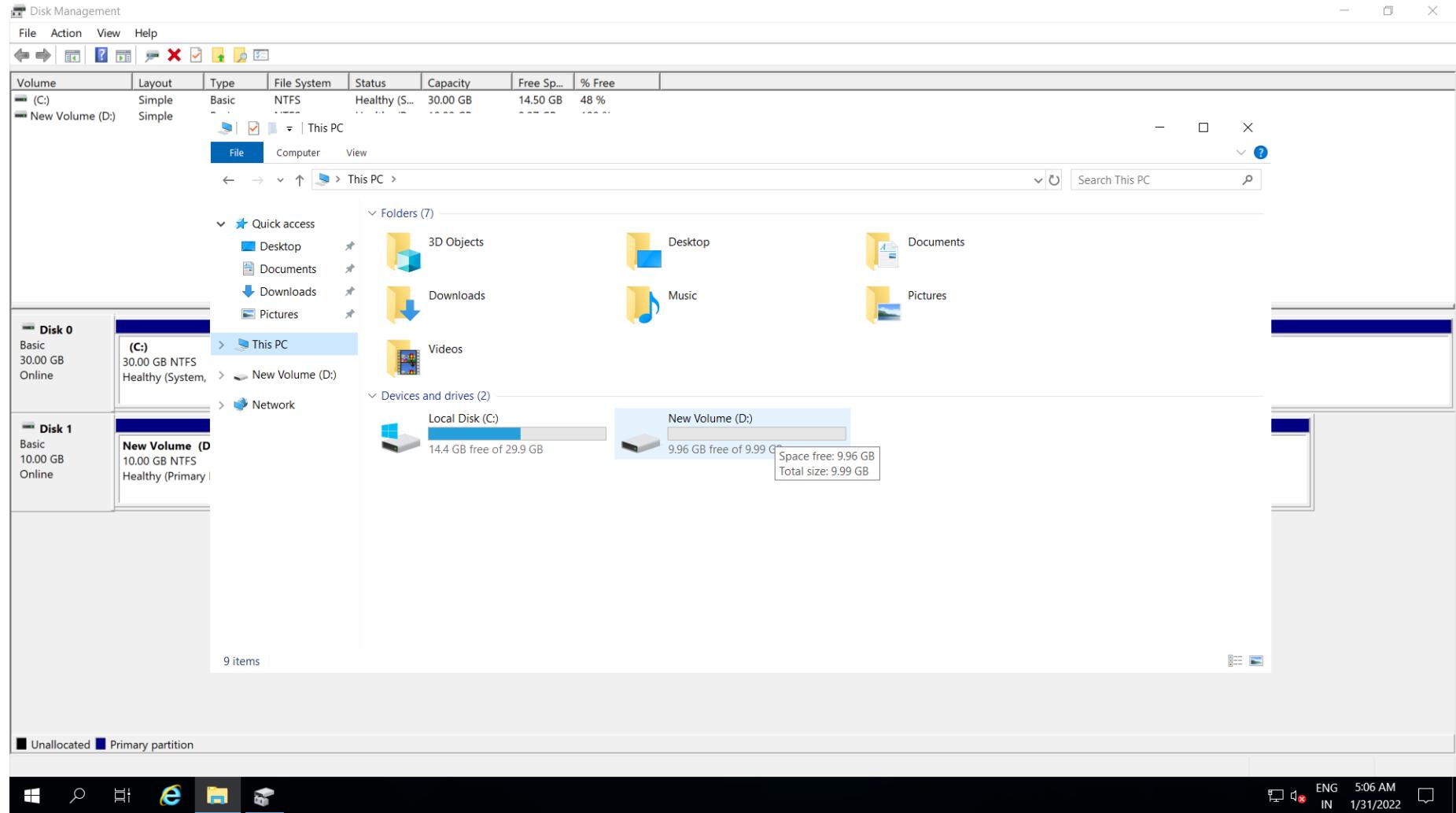
- Click on Next



- Click on Finish



- As you can see volume is increased by 5gb an converted into 10gb.



- Now 10GB is ready to use in Virtual Machine

Thanks you for doing practical with us.