Got it.
 You want a **full, clean, professional guide** for:

✔ **File transfer between two VirtualBox VMs using Shared Folder**
✔ **Using Windows 11 host**
✔ **Including all necessary commands and error handling**

I'll give it to you **clearly step-by-step**   — with **commands + reasons + error fixes**.

📚 Full Procedure to Transfer Files Between Two VirtualBox VMs (Using Shared Folders)

0. Requirements

- You are using **Windows 11** as **Host OS**.
- Two Virtual Machines (VM1 and VM2) running (example: Ubuntu inside VMs).
- VirtualBox is installed.
- VirtualBox Guest Additions ISO is available.

STEP 1: Install VirtualBox Guest Additions in Both VMs

Guest Additions are necessary to support **Shared Folders**.

Inside **each VM** (Ubuntu):

a) Update and install necessary packages:

```
sudo apt update
sudo apt install build-essential dkms linux-headers-$(uname -r)
```

This installs tools needed to compile Guest Additions.

b) Insert Guest Additions CD Image:

In VirtualBox window (for each VM):

☞ Menu → Devices → Insert Guest Additions CD Image

A virtual CD should now appear in Ubuntu.

c) Install Guest Additions manually:

```
cd /media/$USER/VBox_GAs*
```

```
sudo sh VBoxLinuxAdditions.run
```

This installs Guest Additions drivers.

d) Reboot the VM:

```
sudo reboot
```

Common Errors during installation:

Error	Reason	Fix
`Could not find gcc`	Compiler missing	Run: `sudo apt install build-essential`
`Permission denied`	Not root	Use `sudo sh VBoxLinuxAdditions.run`

STEP 2: Create Shared Folder in VirtualBox Settings

Now on Windows Host (before starting VMs):

1. Open **VirtualBox Manager**.
2. Select **VM1 → Settings → Shared Folders → Add (+) New Folder**.
3. Fill the details:
   - **Folder Path**: Select the folder you want to share (Example: `C:\Users\anshu\OneDrive\Desktop\aissms`)
   - **Folder Name**: `shared_folder` (you will use this name inside Linux).
   - **Auto-mount**:   Check it
   - **Make Permanent**:   Check it
1. Repeat the same for **VM2**.

Now both VMs will have access to the **same shared folder**.

STEP 3: Create a Mount Point (Directory) Inside the VM

Inside each Ubuntu VM:

```
sudo mkdir -p /mnt/shared_folder
```

This creates the directory where shared folder will be mounted.

`-p` means create parent directories if not existing.

Common Errors and Fix:

Error	Reason	Solution
`mkdir: cannot create directory`	Directory already exists	Ignore or use `-p` option

STEP 4: Mount the Shared Folder

Inside each Ubuntu VM:

```
sudo mount -t vboxsf shared_folder /mnt/shared_folder
```

Now the shared folder from Windows will be accessible inside `/mnt/shared_folder`.

Explanation:

- `shared_folder` = Folder Name you set in VirtualBox settings.
- `/mnt/shared_folder` = Your Ubuntu path to access it.

STEP 5: Check Files

Go to:

```
cd /mnt/shared_folder

ls
```

You should now see files from Windows folder!

If not:

Problem	Reason	Solution
`mount: unknown filesystem type 'vboxsf'`	Guest Additions not properly installed	Reinstall Guest Additions
`No such file or directory`	Wrong folder name	Check VirtualBox → Shared Folders → Correct folder name

STEP 6: Make it Permanent (Optional - Auto Mount)

If you want the folder mounted automatically on reboot:

1. Edit `/etc/fstab`:

```
sudo nano /etc/fstab
```

1. Add at the bottom:

```
shared_folder   /mnt/shared_folder   vboxsf   defaults   0   0
```

Now it will auto-mount after reboot.

Quick Command Sheet (Summary)

Step	Command
Update packages	`sudo apt update`
Install tools	`sudo apt install build-essential dkms linux-headers-$(uname -r)`
Mount Guest Additions CD	Devices → Insert Guest Additions CD Image
Install Guest Additions	`cd /media/$USER/VBox_GAs*` → `sudo sh VBoxLinuxAdditions.run`
Reboot VM	`sudo reboot`
Create mount point	`sudo mkdir -p /mnt/shared_folder`
Mount shared folder	`sudo mount -t vboxsf shared_folder /mnt/shared_folder`
Auto-mount (optional)	Add line in `/etc/fstab`

🛠 Example

You are using:

Field	Value
Windows Host Folder	`C:\Users\anshu\OneDrive\Desktop\aissms`
Folder Name in VirtualBox	`shared_folder`
Mount Point inside VM	`/mnt/shared_folder`

Done!

⚡ Bonus Tip (Permission Fix):

Sometimes you will see you cannot **write** into the shared folder.
Fix it with:

```
sudo usermod -aG vboxsf $USER

newgrp vboxsf
```

This adds your user into `vboxsf` group (VirtualBox Shared Folder group).

Final Result:

Now both your VMs can share files easily between each other through `/mnt/shared_folder`, no network needed!

Would you also like me to give a **simple Bash script** that auto-creates mount point and mounts shared folder on boot?
(You just need to run it once!)
Would you like it?