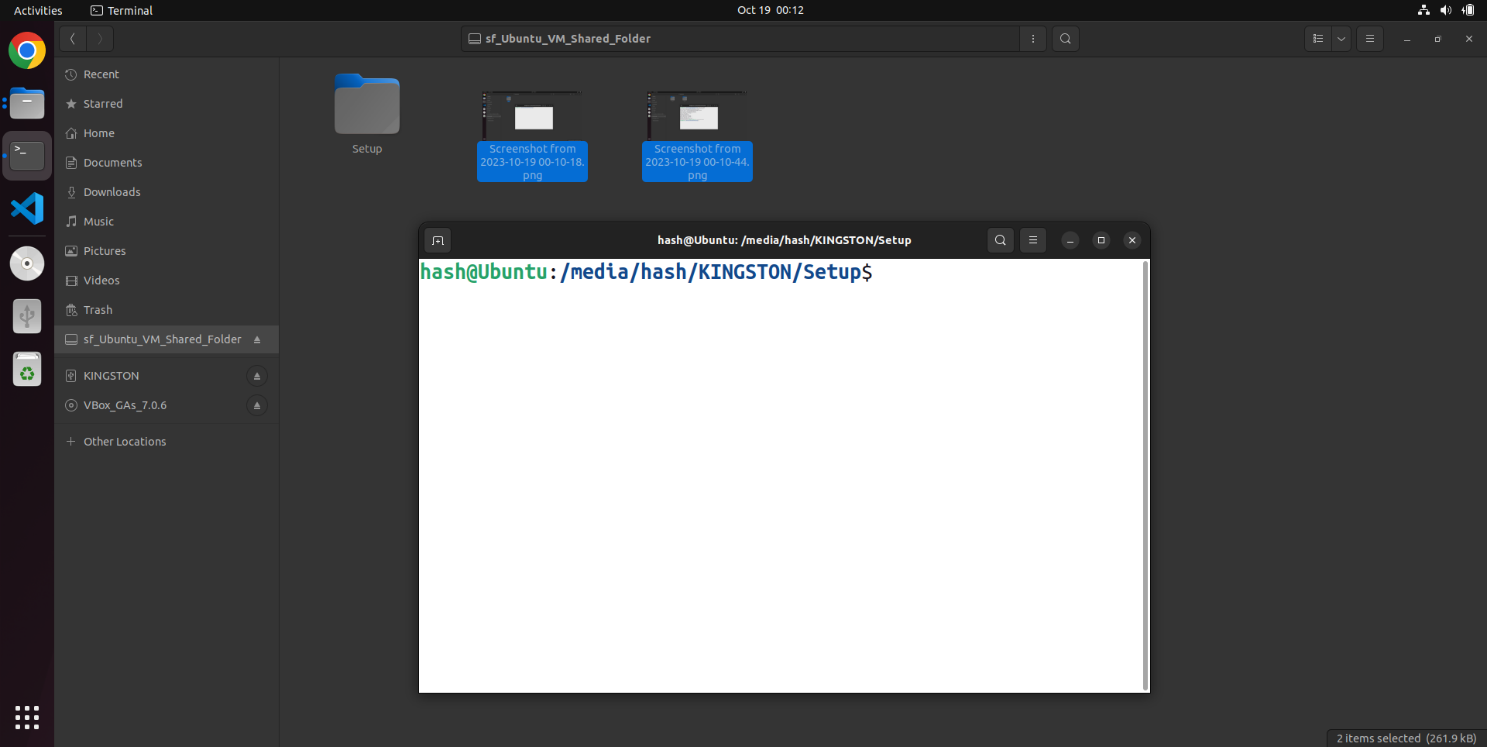
**Secure and Automated Air-Gapped Data Transfer with Rsync for Linux PCs**

Setting up the environment:

Step 1: Save the “Setup” folder in the USB drive with the directory as below

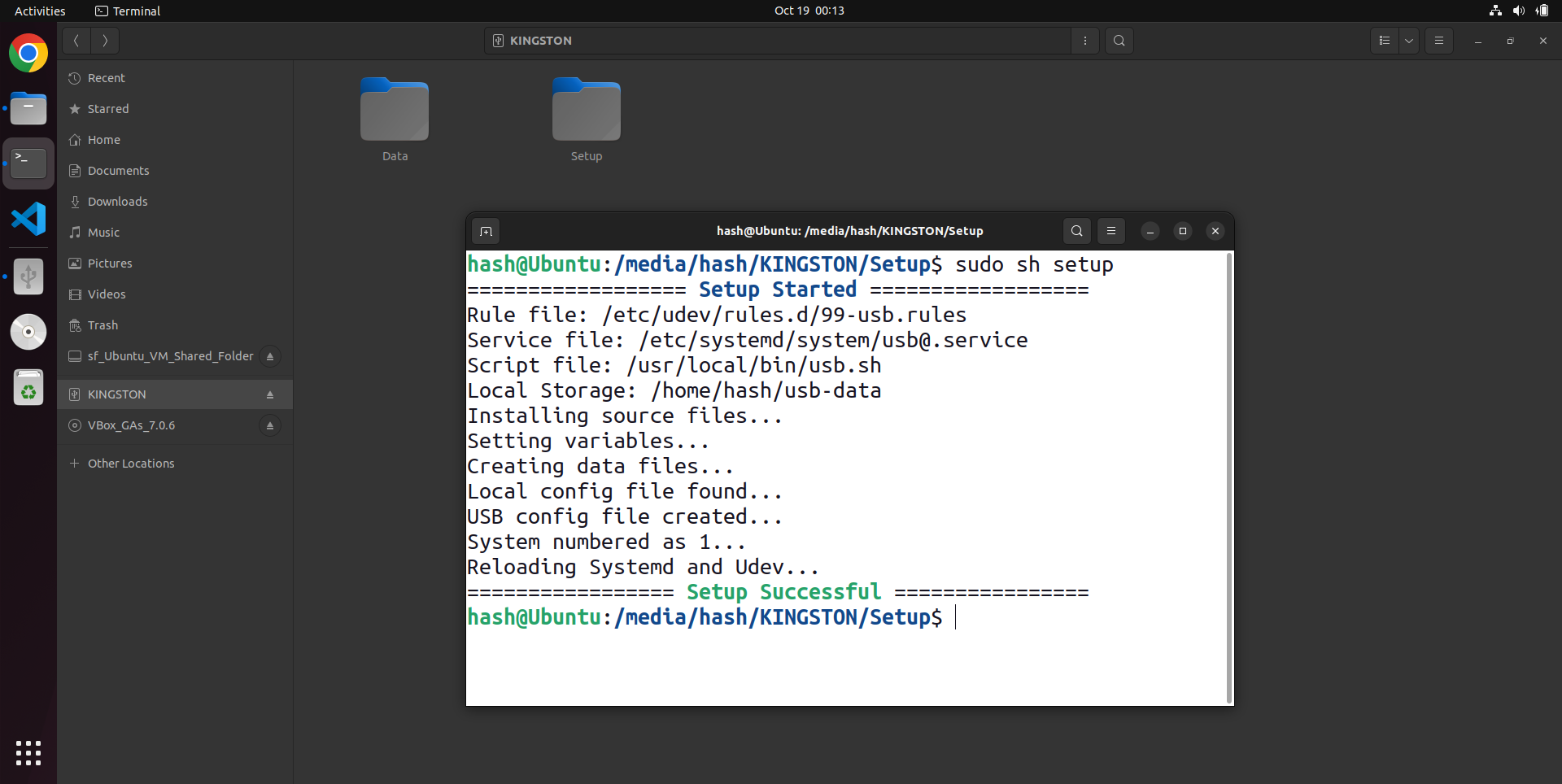
/media/user/USB-drive-name/Setup

Step 2: Open the “Setup” folder in a Terminal.



Step 3: Run the script “setup” with root privileges.

sudo sh setup



Step 4: From the next time whenever the same USB drive is connected again, the transfer automatically takes place.

Transferring files:

Sending: Put the files need to be sent in the “Send” folder with the directory

Home/usb-data/Send

Receiving: Files received from the other PC are stored in the “Recv” folder with the directory

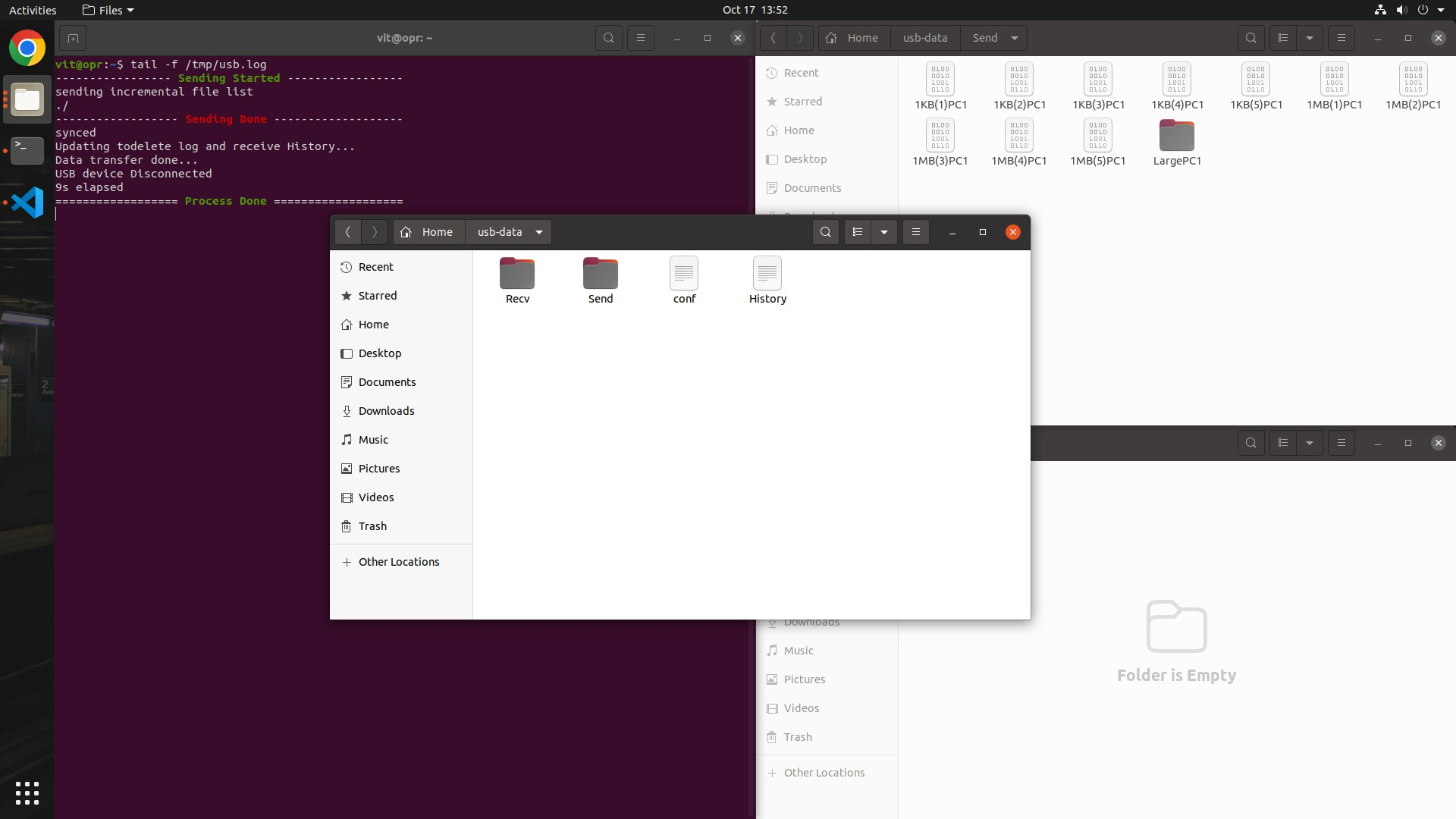
Home/usb-data/Recv

Transfer Control: In the “conf” file with the directory “Home/usb-data/conf”, set the “doTransfer” option to 0 to stop the transfer and to 1 (default) to let the transfer happen.

Note: Effect takes place only for the next tranfer.

History: The Send and Recv logs are stored in the “History” file with the directory

Home/usb-data/History



Debugging:

Log file: All the process log is stored in the directory “/tmp/usb.log”

Reset: To reset all the system files and data files related to the transfer, run the “reset” present in the directory

/media/user/USB-drive-name/Setup/reset

Note: “Setup” folder should always remain in the directory “/media/user/USB-drive-name/Setup” while running “setup” or “reset” scripts.