To send images from a virtual machine (VM) to an Azure Data Lake Storage (ADLS) Gen2 container using SFTP (Secure File Transfer Protocol), you can follow these general steps. Please note that the specific commands and configurations might vary based on your operating system, and you should adapt them accordingly.

**Prerequisites:**

1. Azure Data Lake Storage (ADLS) Gen2:

Ensure you have an ADLS Gen2 account set up with a container to which you want to upload the images.

1. SFTP Server on VM:

Set up an SFTP server on your VM. You can use OpenSSH or any other SFTP server of your choice.

**Steps:**

1. Configure SFTP on VM:

* Install and configure an SFTP server on your VM. For example, if you're using OpenSSH on a Linux VM, you can install it with:
* sudo apt-get update
* sudo apt-get install openssh-server
* Configure SSH to allow SFTP-only access.

1. Generate SSH Key Pair:

* On the VM, generate an SSH key pair:
* ssh-keygen -t rsa

1. Configure ADLS Gen2 Access:

* Set up Azure Storage Explorer or Azure Storage Explorer to obtain the connection string for your ADLS Gen2 account.

1. Copy Public Key to ADLS Gen2:

* Copy the public key generated on the VM (~/.ssh/id\_rsa.pub) to your ADLS Gen2 account. You can add it to the authorized keys in the storage account's settings.

1. SFTP Transfer:

* Use an SFTP client to connect to your VM and upload images to the ADLS Gen2 container.
* sftp -i ~/.ssh/id\_rsa <username>@<VM-IP-Address>
* Once connected, navigate to the local directory containing the images and upload them to the ADLS Gen2 container.
* put image.jpg /<ADLS-Gen2-Container>/path/

1. Verify in ADLS Gen2:

* Use Azure Storage Explorer or another tool to verify that the images have been successfully uploaded to the specified ADLS Gen2 container.