Vagrant VM to access EC2 Instance

To ensure the public key is in the ~/.ssh/authorized_keys file on the EC2 instance for the user shashi, follow these steps:

SSH into the EC2 Instance:

1. Use SSH with the .pem key to access the EC2 instance as the user shashi:

   ssh -i /path/to/your-aws-key.pem shashi@13.232.31.26

   Replace /path/to/your-aws-key.pem with the path to your private key file.

2. Navigate to the .ssh Directory:

   Once logged in, go to the .ssh directory:

   cd ~/.ssh

   If .ssh doesn't exist, create it:

   mkdir ~/.ssh

   chmod 700 ~/.ssh

3. Edit or View authorized_keys:

   Use a text editor like nano or vim to open the authorized_keys file:

   nano authorized_keys

   If the file doesn't exist, create it by running:

   touch authorized_keys

   chmod 600 authorized_keys

4. Add the Public Key:

   Copy the contents of your public key (usually found in the id_rsa.pub file on your Vagrant VM or another location) and paste it into the authorized_keys file.

   To paste the key, ensure it's in the following format:

   ssh-rsa AAAAB3NzaC1yc2EAAAABIwAAAQEA... your_key_comment

To copy the public key from your Vagrant VM and add it to the authorized_keys file on the EC2 instance, you can follow the below:

Display the Public Key on Vagrant VM

Open the Public Key File on your Vagrant VM. Assuming it's located in ~/.ssh/id_rsa.pub, run:

cat ~/.ssh/id_rsa.pub

Copy the Output: This command will display your public key. Copy the entire output, including the ssh-rsa or ecdsa prefix.

If you get this Error:

cat: /home/vagrant/.ssh/id_rsa.pub: No such file or directory

The error indicates that there is no public key file (id_rsa.pub) in the ~/.ssh directory on your Vagrant VM. This can happen if the SSH key pair has not been generated yet. You can create a new SSH key pair by following these steps:

Step 1: Generate an SSH Key Pair on Vagrant VM

Generate the Key Pair:

Run the following command on your Vagrant VM:

ssh-keygen -t rsa -b 2048

Press Enter to accept the default location (/home/vagrant/.ssh/id_rsa) and to proceed without a passphrase (or add a passphrase for extra security).

Locate the Public Key:

Once the key pair is generated, the public key should be saved as id_rsa.pub in the ~/.ssh directory.

Step 2: Display and Copy the Public Key

Show the Public Key:

cat ~/.ssh/id_rsa.pub

Copy the output to use on your EC2 instance.

5. Save and Exit:

In nano, press Ctrl + O,Enter to save and then Ctrl + X, to exit.

6. Verify Permissions

Ensure .ssh has 700 permissions and authorized_keys has 600 in the EC2 VM

chmod 700 ~/.ssh
chmod 600 ~/.ssh/authorized_keys

Your Vagrant VM's public key is now on the EC2 instance, allowing you to authenticate using it.