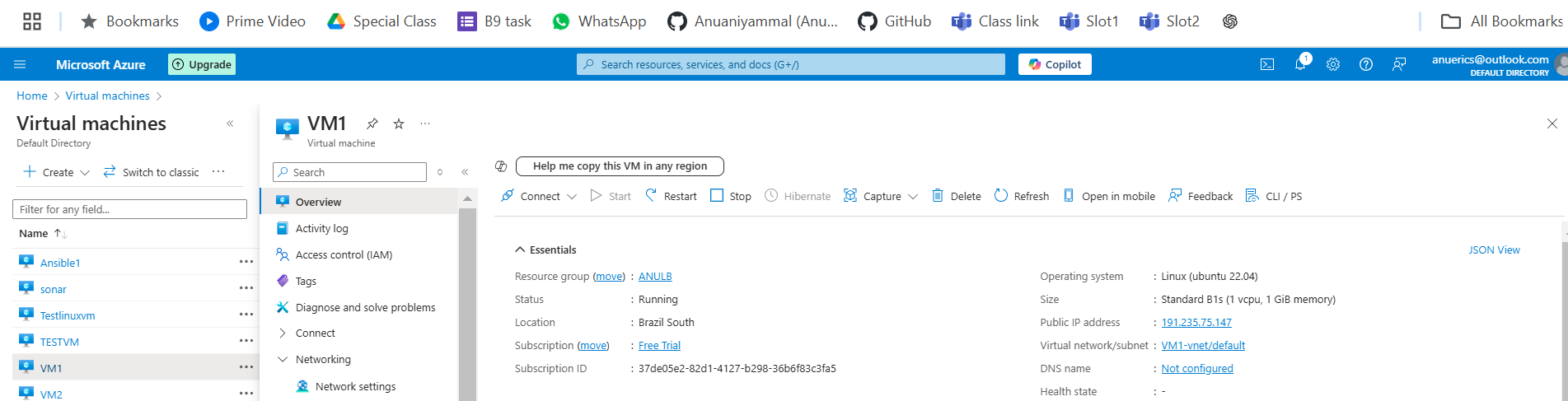
Name: Anu Aniyammal.S

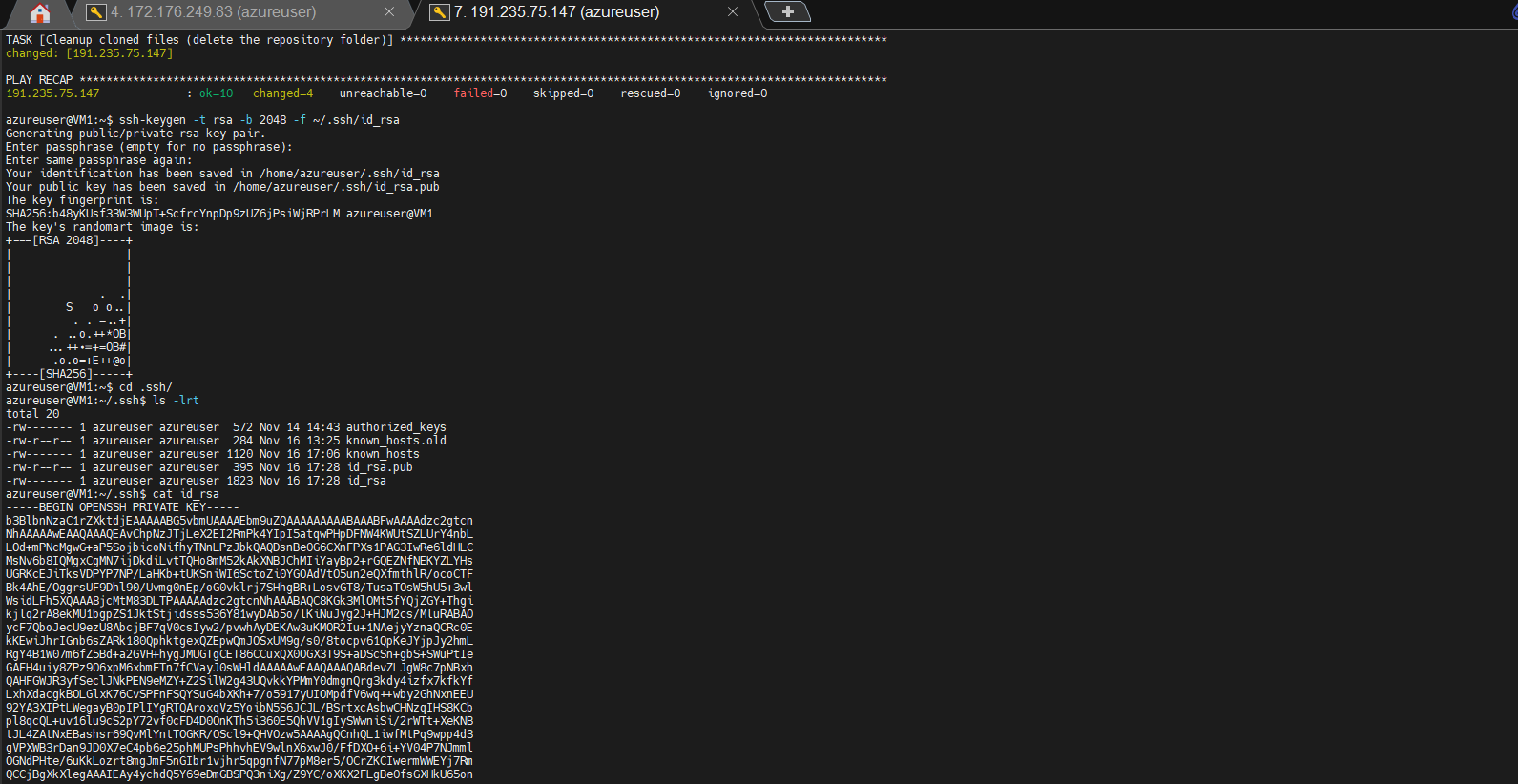
Date: 16/11/2024

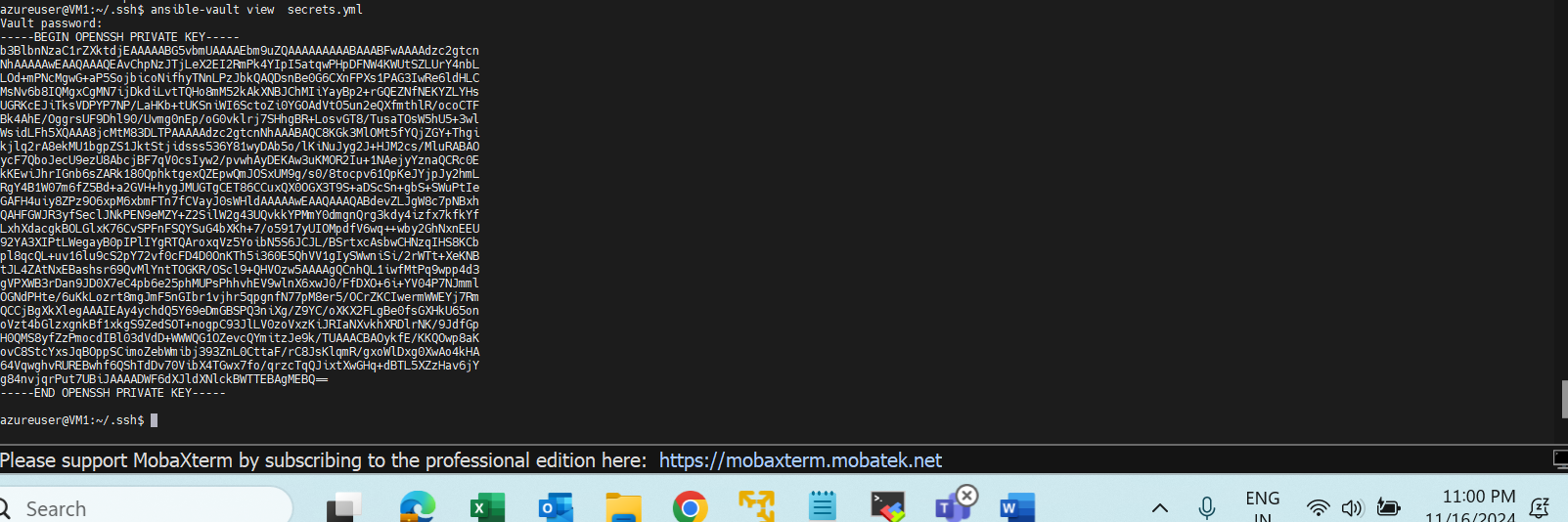
1. **Created linux VM in azure with public key (listed below) and ip (191.235.75.147)**

****

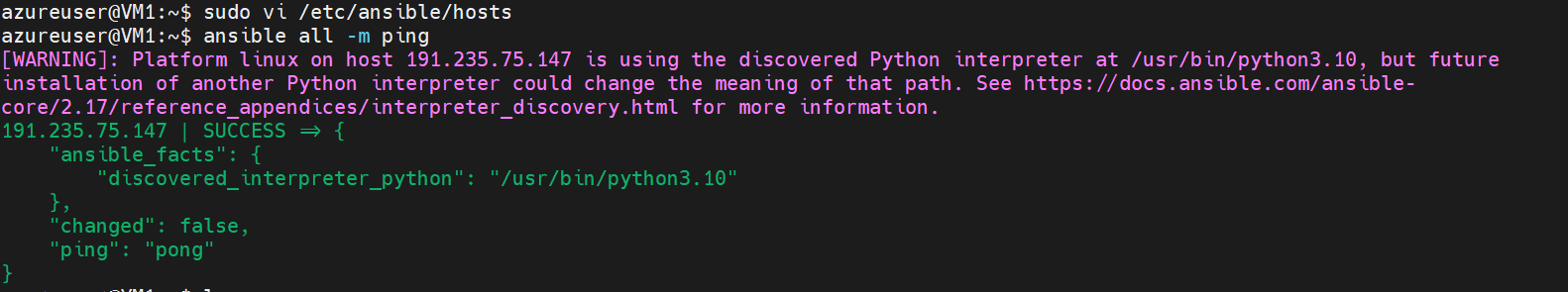
1. **. store the certificate in ansible vault.**

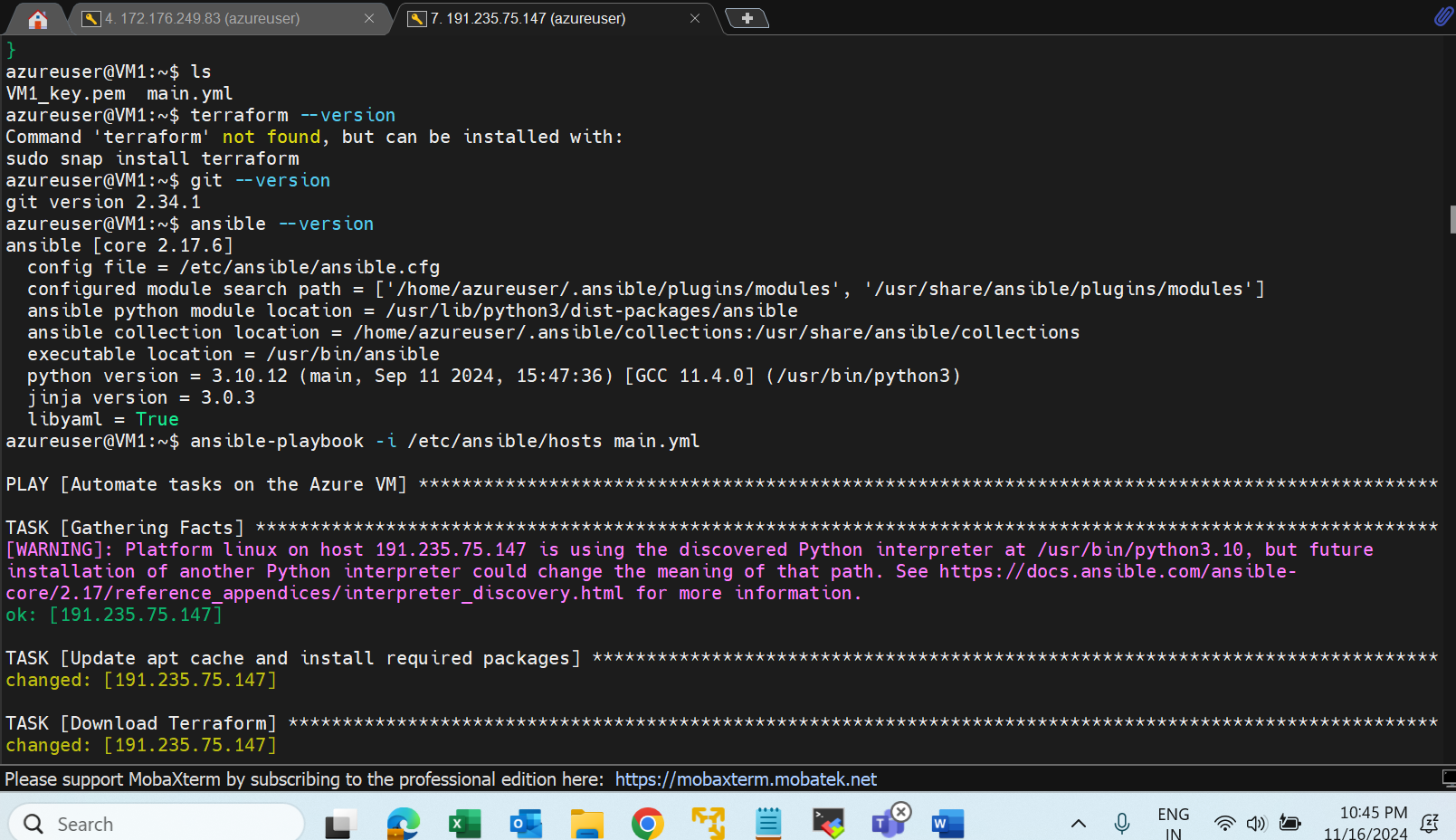
Created ssh key using ssh-keygen -t rsa -b 2048 -f ~/.ssh/id\_rsa and **placed private key stored in secrets.yml ansible vault.**

****

****

1. **Installing ansible on host machine through commands**

****



**3. Using the host created above perform the below operation using ansible playbook**

1. **Install terraform and git on the machine**
2. **Clone the git repo which has tf scripts:**
3. **Execute the tf script (https://github.com/Anuaniyammal/Terraform-tasks/tree/e146610819adf82cc94f34cafacab85c4511d13d/Windows%20VM)**

**and capture the output:**

**Playbook script:**

---

- name: Automate tasks on the Azure VM

hosts: all

become: yes

tasks:

- name: Update apt cache and install Git

apt:

name:

- git

state: present

update\_cache: yes

- name: Install required packages (unzip and curl)

apt:

name:

- unzip

- curl

state: present

- name: Download Terraform

get\_url:

url: "https://releases.hashicorp.com/terraform/1.0.2/terraform\_1.0.2\_linux\_amd64.zip"

dest: /tmp/terraform.zip

- name: Unzip Terraform

unarchive:

src: /tmp/terraform.zip

dest: /tmp

remote\_src: yes

- name: Move Terraform binary to /usr/local/bin

command: mv /tmp/terraform /usr/local/bin/terraform

- name: Clone the Terraform GitHub repository

git:

repo: "https://github.com/Anuaniyammal/Terraform-tasks.git"

dest: /tmp/Terraform-tasks

version: main

- name: Change directory to "Windows VM" folder and execute Terraform scripts

shell: |

cd /tmp/Terraform-tasks/Windows\ VM

terraform init

terraform apply -auto-approve

register: terraform\_output

- name: Capture the Terraform output

debug:

msg: "{{ terraform\_output.stdout }}"

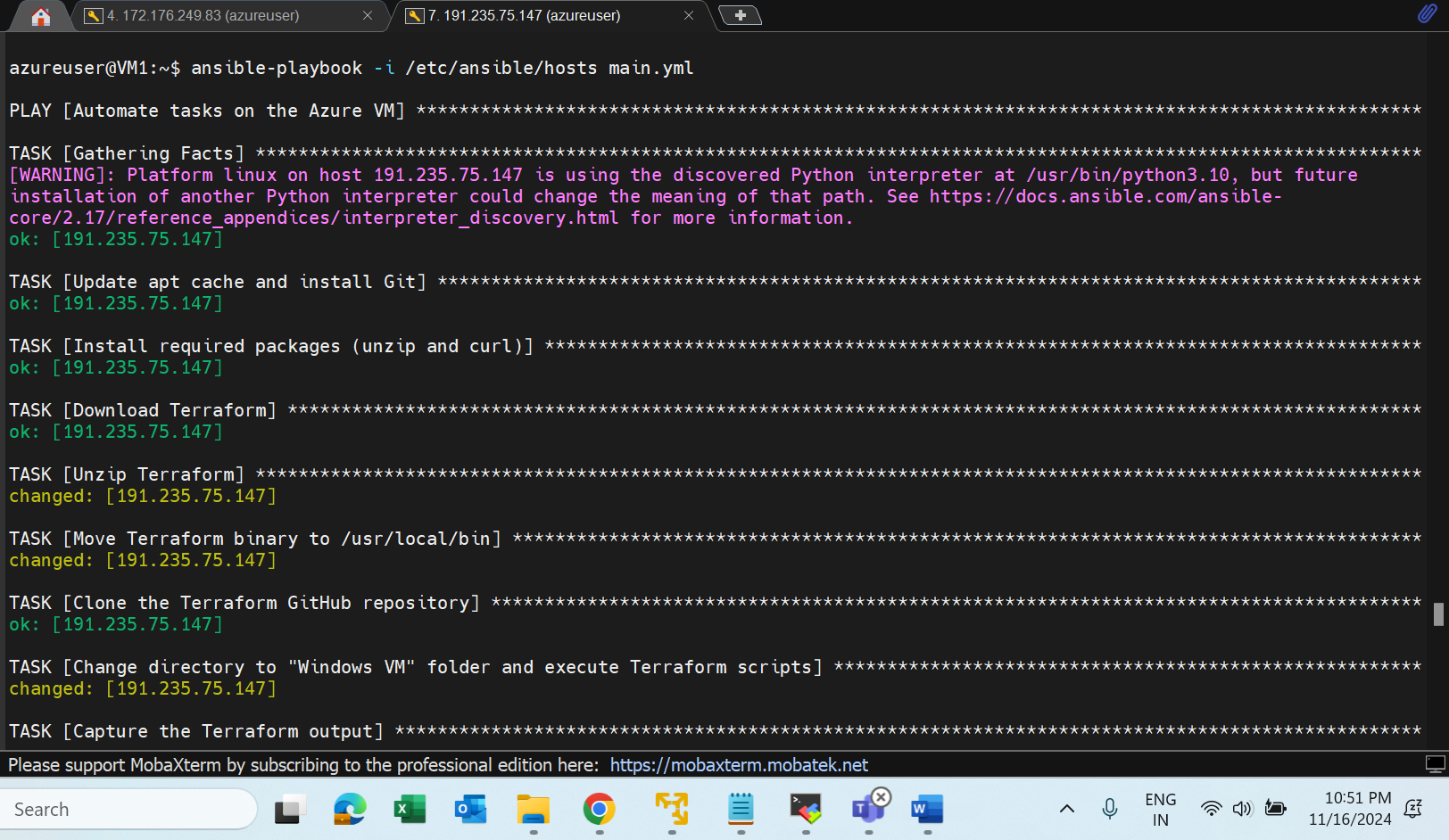
- name: Cleanup cloned files (delete the repository folder)

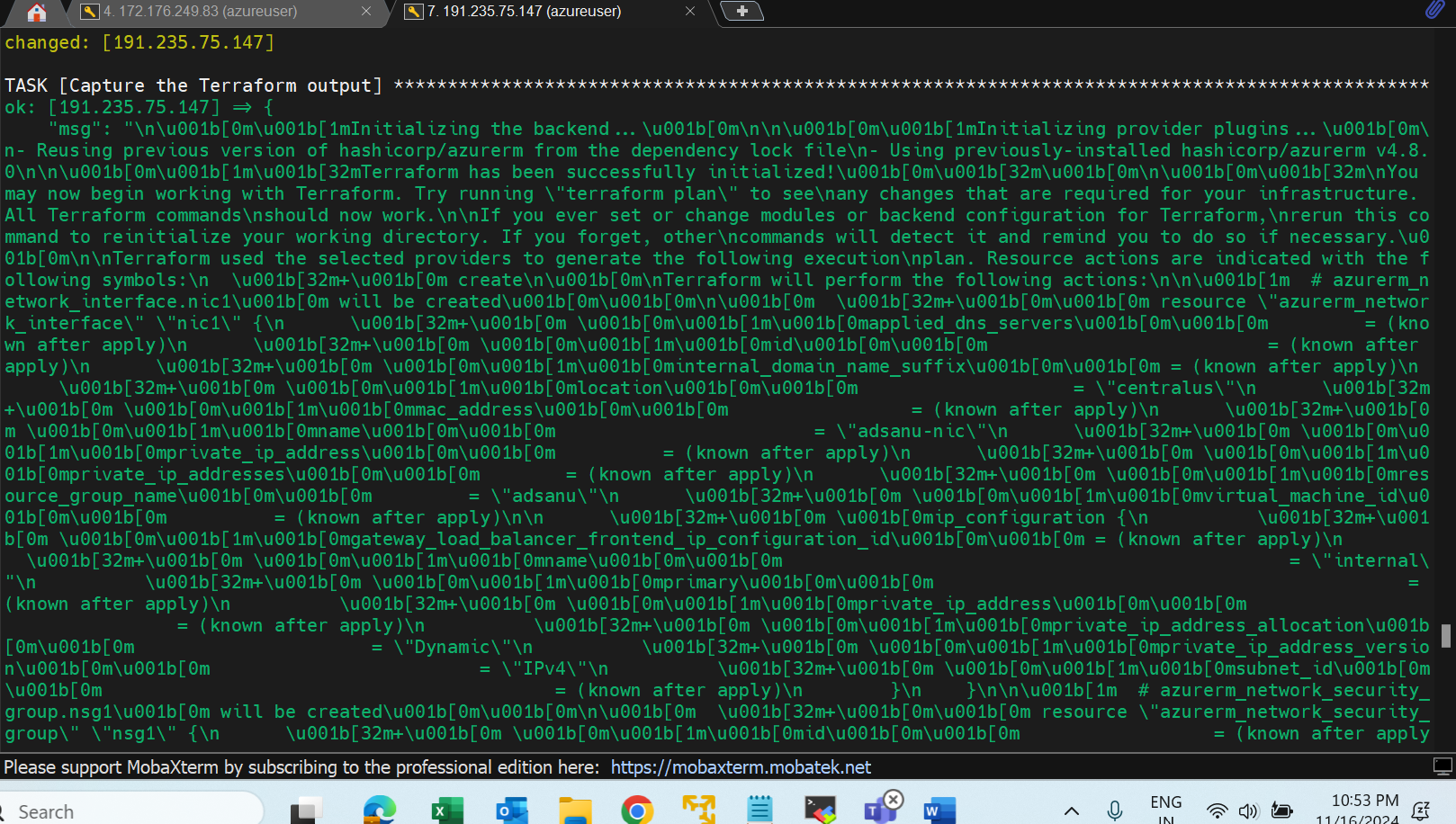
file:

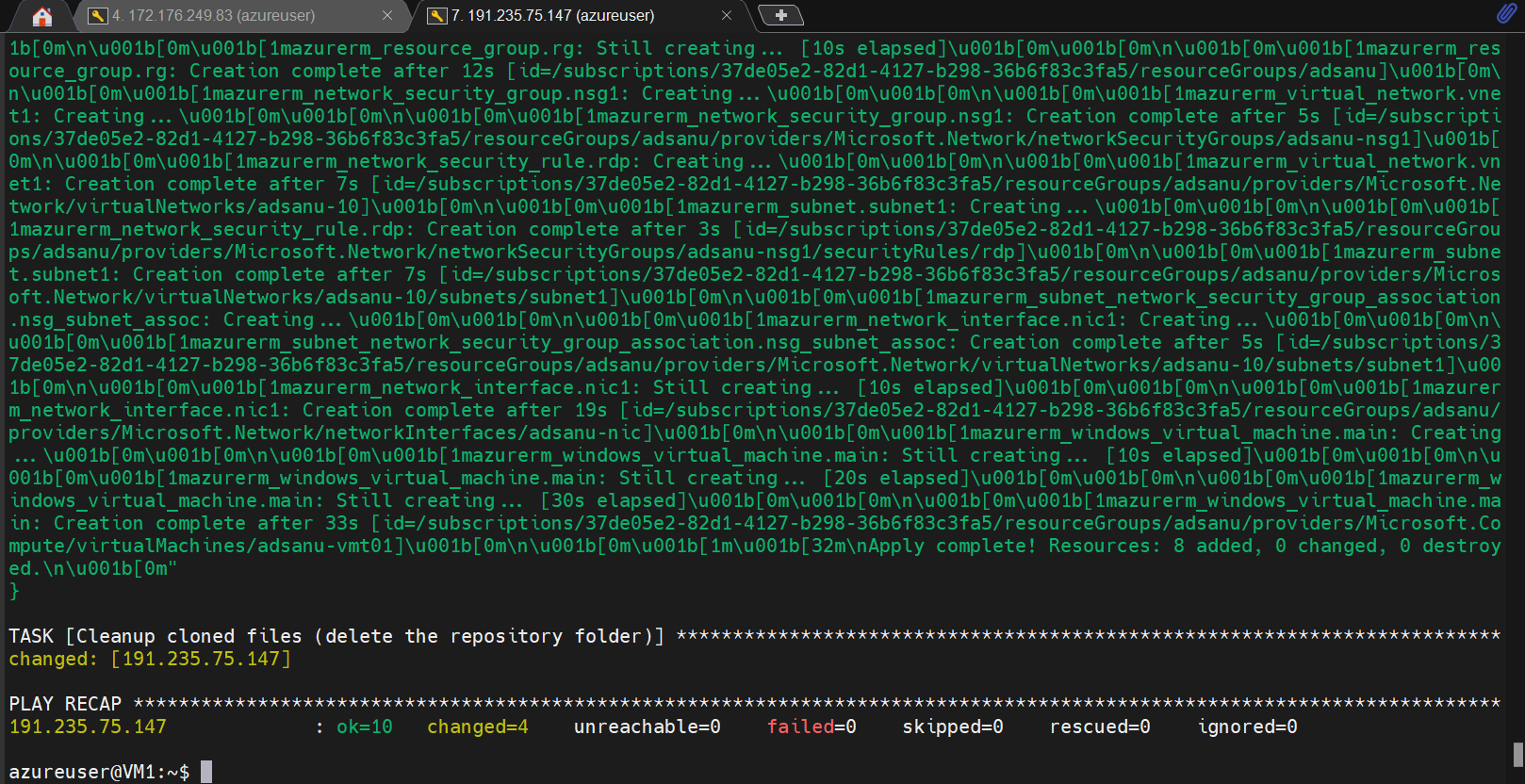
path: /tmp/Terraform-tasks

state: absent

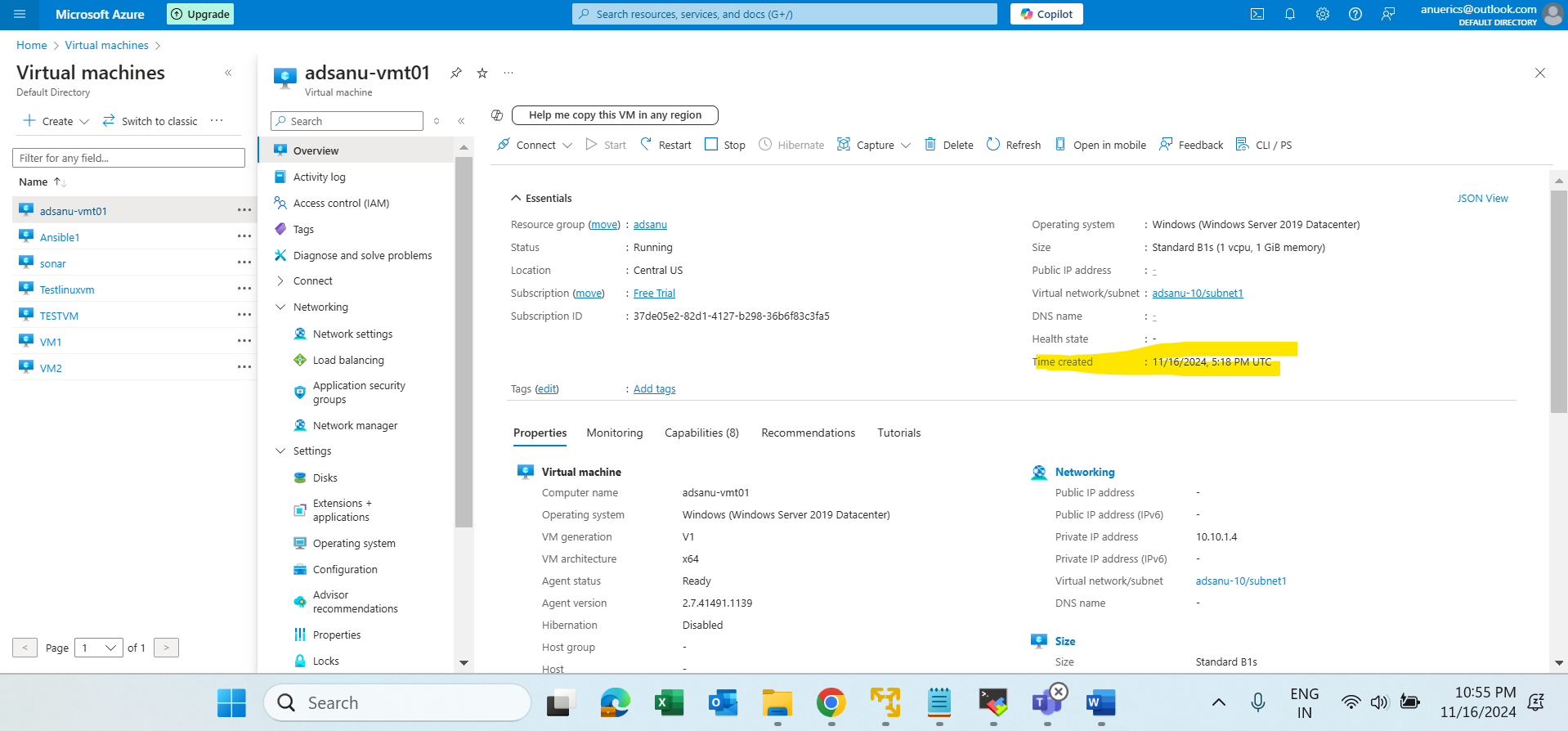
**and capture the output:**

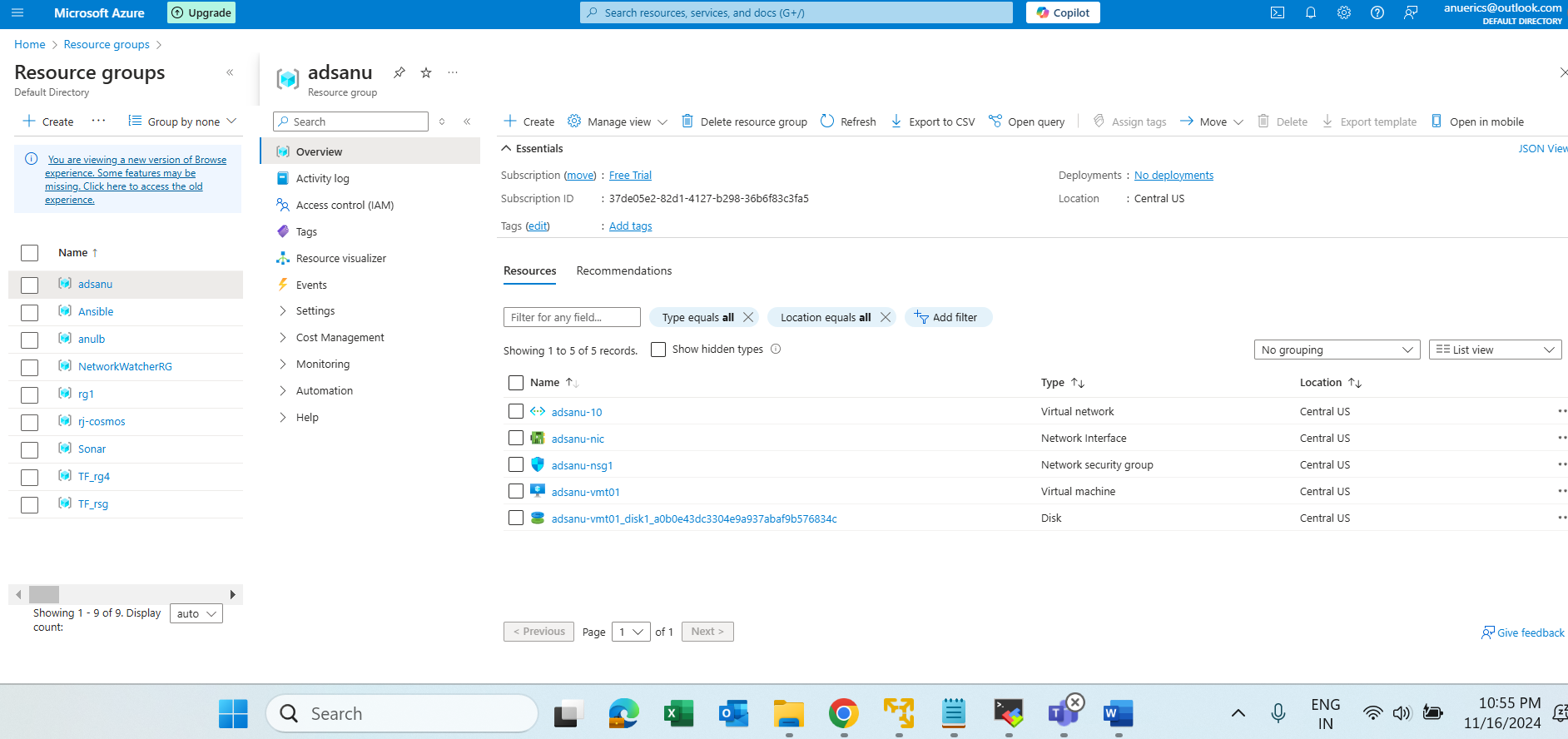




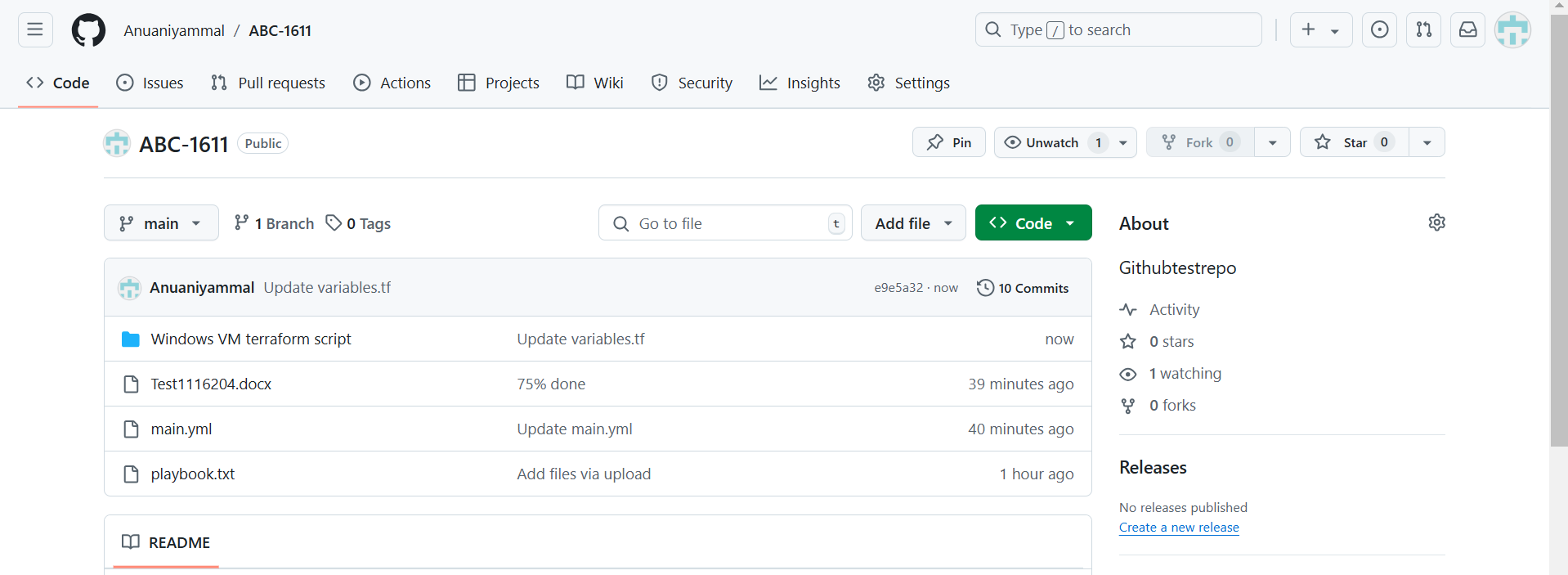


**Resources created and Portal snaps:**





**4. create a github repository with name ABC-1611**



**5. push the playbook configuration to the repo**

