Open control panel

A screenshot of a computer

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Click on turn window features on or off

A computer screen shot of a computer screen

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Enable Hyper-v and SBM 1.0

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Description automatically generated

Running command

Enable-WindowsOptionalFeature -Online -FeatureName Microsoft-Hyper-V -All

Enable-WindowsOptionalFeature -Online -FeatureName "SMB1Protocol" -All

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Download Vagrant and install it

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vagrant box add hashicorp/bionic64

and select hyperv

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A screenshot of a computer screen

Description automatically generated

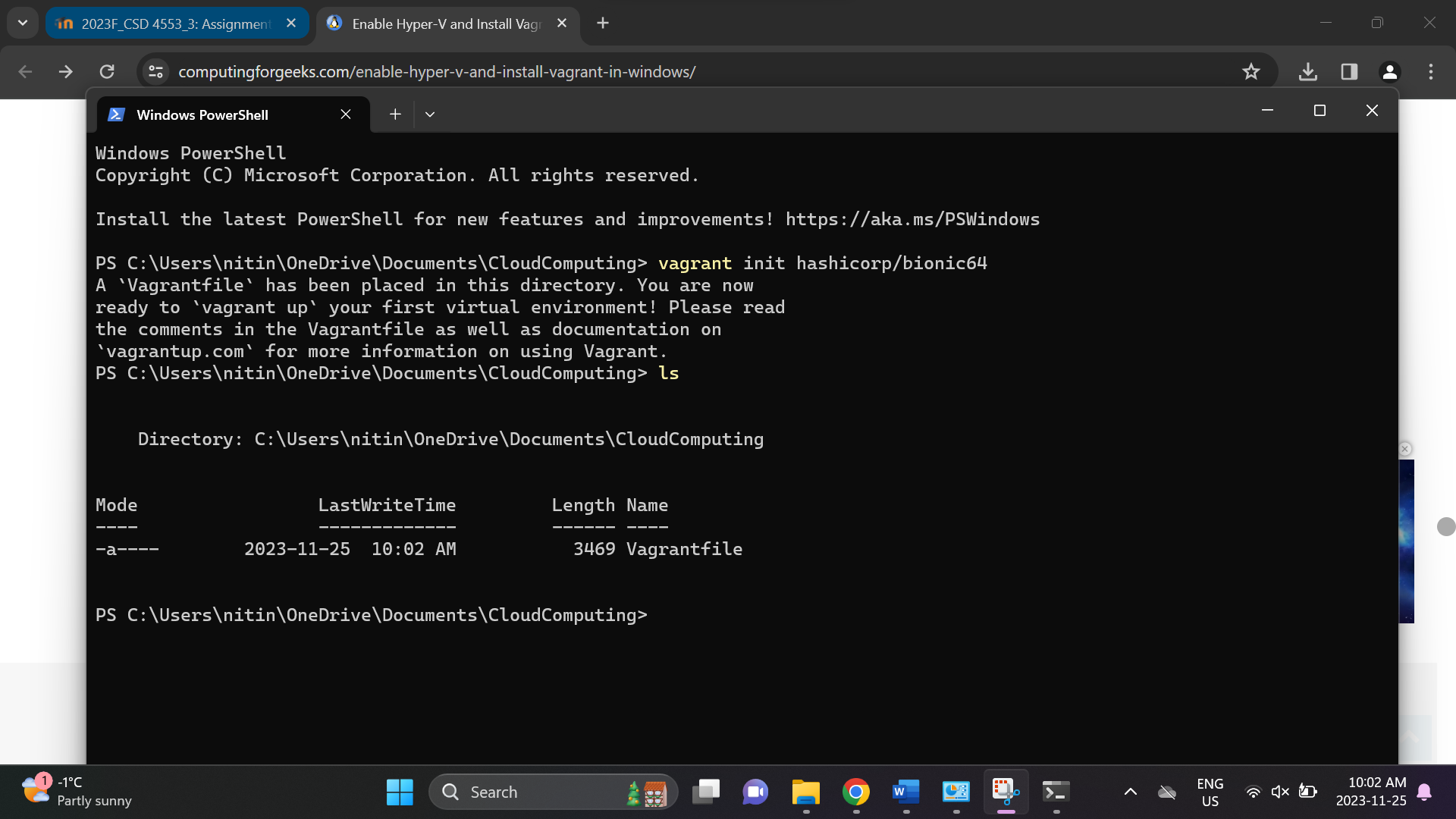
vagrant box list to check if installed

A screenshot of a computer

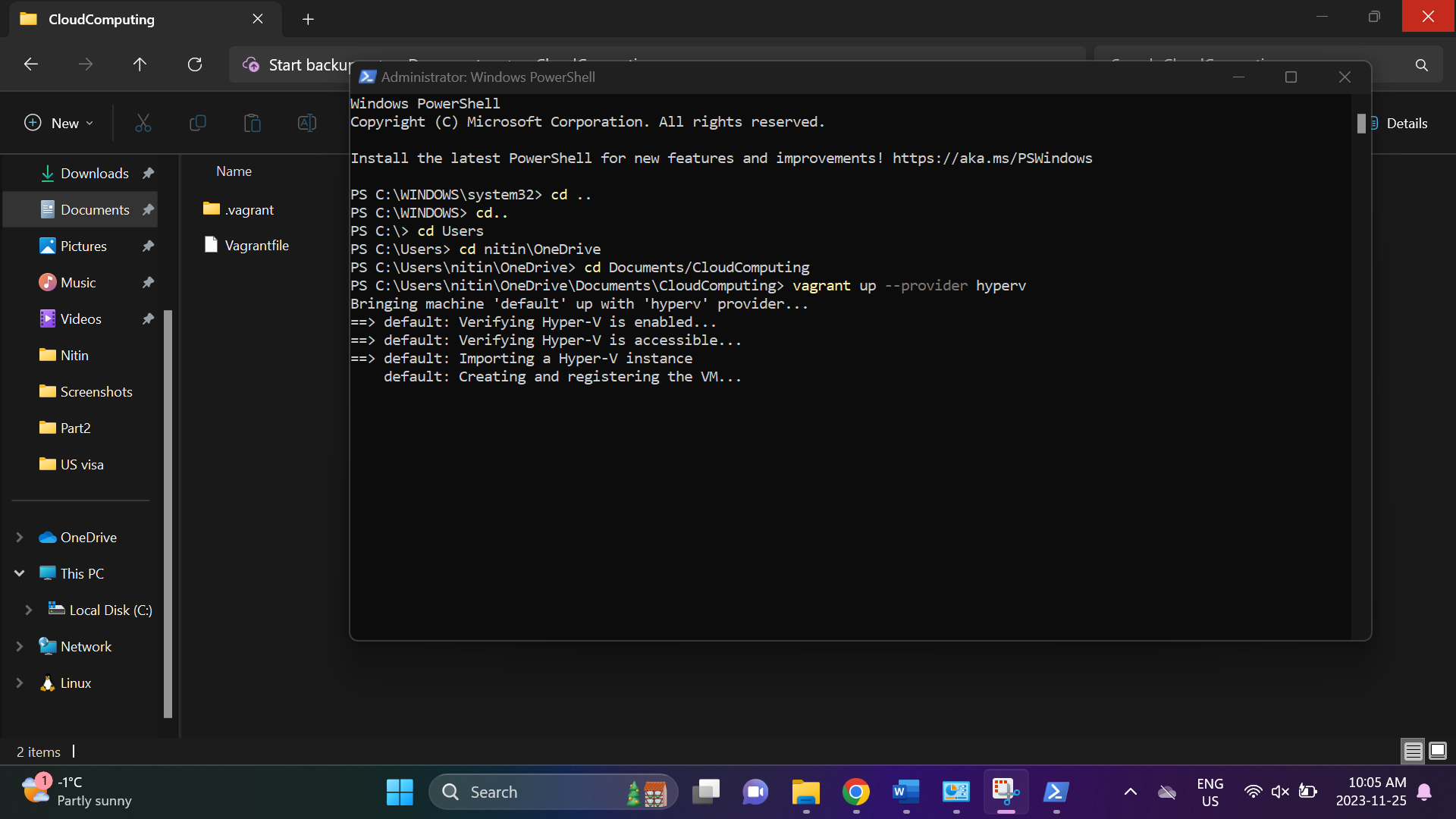
Description automatically generated

Locate to wish your folder and initialize it

vagrant init hashicorp/bionic64



vagrant up --provider hyperv



vagrant ssh

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A screenshot of a computer

Description automatically generated

A computer screen shot of a black screen

Description automatically generated

Creating a playbook in Ansible that installs Docker on a Ubuntu VM, pulls an image, and deploys it:

|  |
| --- |
| ---  - name: Install Docker dependencies  apt:  name:  - apt-transport-https  - ca-certificates  - curl  - software-properties-common  state: present  - name: Add Docker GPG key  apt\_key:  url: https://download.docker.com/linux/ubuntu/gpg  state: present  - name: Add Docker repository  apt\_repository:  repo: deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable  state: present  - name: Update apt package cache after adding Docker repo  apt:  update\_cache: yes    - name: Install Docker  apt:  name: docker-ce  state: present    - name: Ensure Docker service is running  systemd:  name: docker  state: started  enabled: yes  - name: Deploy Docker Container  hosts: localhost  become: true  vars:  docker\_image: nitinnema/classarr:1.0.1  container\_name: classarr  host\_port: 3000  tasks:  - name: Pull Docker Image  docker\_image:  name: "{{ docker\_image }}"  state: present  - name: Run Docker Container  docker\_container:  name: "{{ container\_name }}"  image: "{{ docker\_image }}"  state: started  ports:  - "{{ host\_port }}:3000"  - name: Wait for the container to be reachable  wait\_for:  host: "http://localhost:{{ host\_port }}"  state: started  timeout: 60 |

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Description automatically generated

Forwarding the port 3000 from Ubuntu VM to my local machine using the following command:

curl 10.51.227.72:3000

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated