

Ex No. 1

Date: 16.07.2024

VIRTUALIZATION

INSTALLATION OF VIRTUAL MACHINE IN VIRTUAL BOX

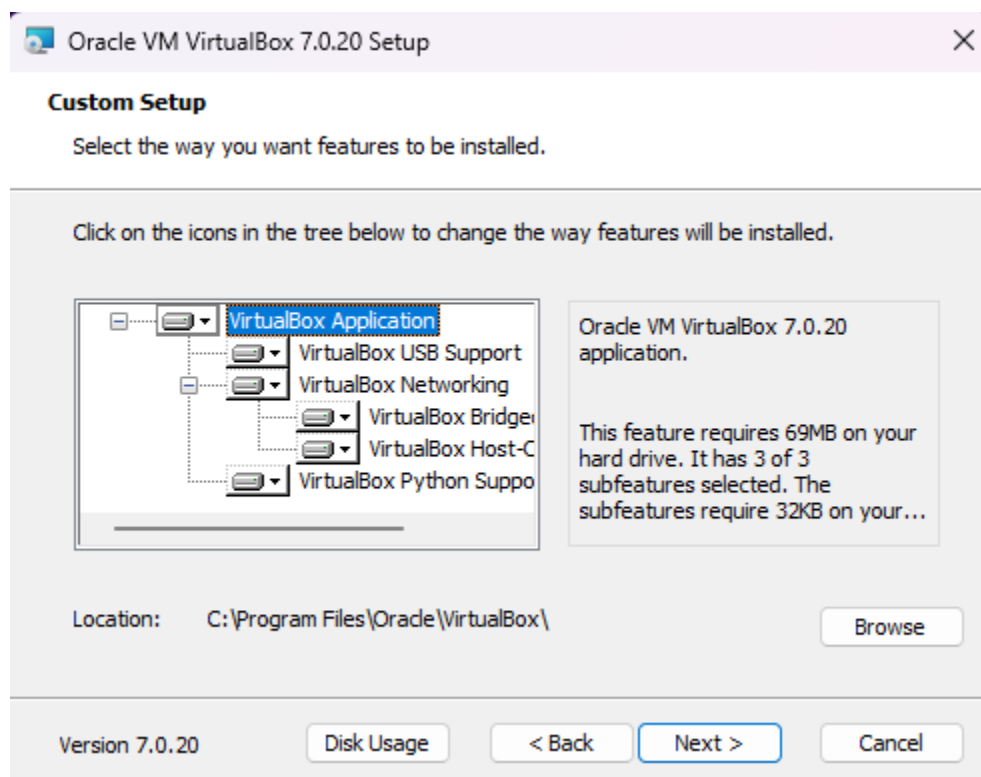
AIM:

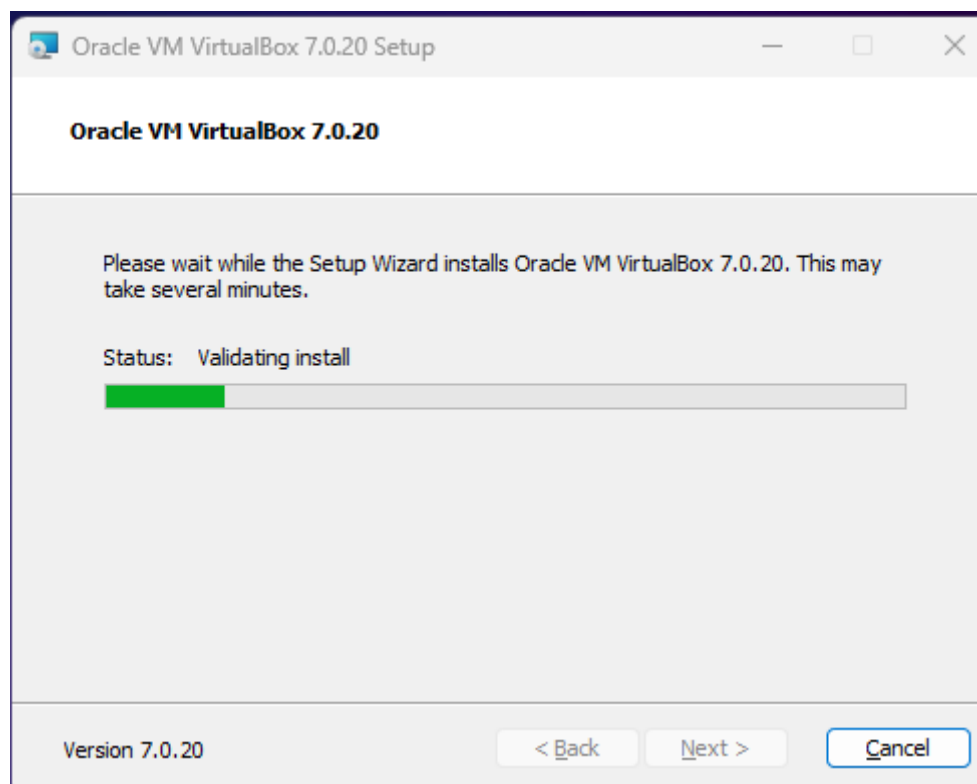
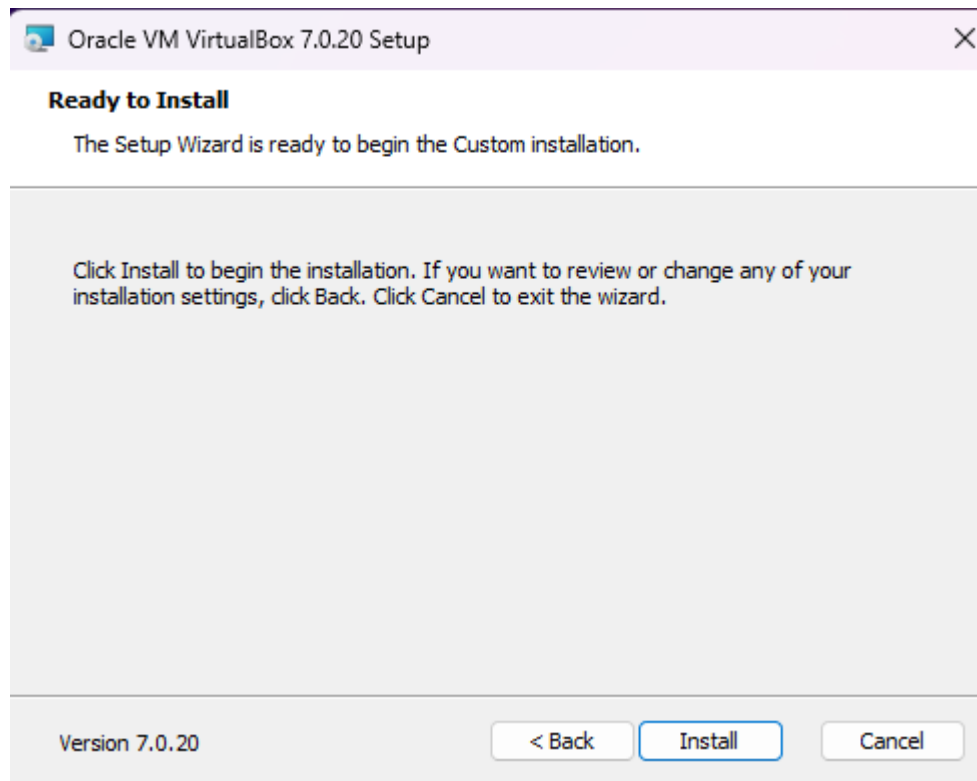
To configure a Virtual Machine using Virtual Box and Launch to execute a simple program using PYTHON.

PROCEDURE:

1. Launch a Virtual Box
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C or PYTHON OR JAVA Compiler and execute a simple program.

INSTALLATION:





```
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$ vi sum_of_digits.py
```

PROGRAM:

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~  
  
def sum_of_digits(n):  
    sum=0  
    while(n!=0):  
        rem=n%10  
        sum+=rem  
        n=n//10  
    return sum  
n=int(input("Enter a number: "))  
  
print("The sum of the digits is:",sum_of_digits(n))  
  
~  
~  
~  
~
```

OUTPUT:

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~  
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$ vi Sum_Of_Digits.py  
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$ python Sum_Of_Digits.py  
Enter a number: 123  
( 'The sum of the digits is:', 6)  
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$ █
```

RESULT:

The virtual machine of Ubuntu OS was created using a virtual box. Ubuntu virtual machine running in Virtual Box.