

Linux CITC1333_P66

Project 2-1

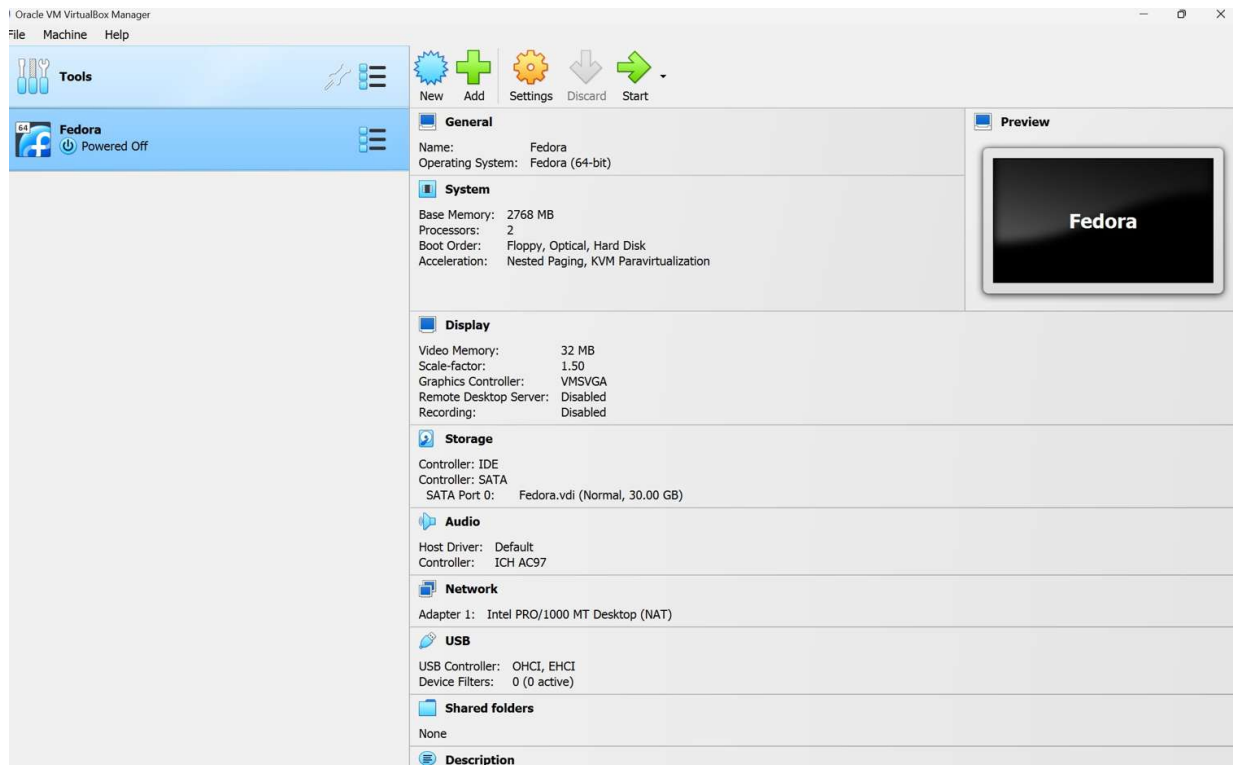
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Summary Paragraph of what is being done on this project

On this project I am setting up Fedora Linux to run on a virtual machine. This was done using VirtualBox by Oracle. This product is free and is a type 2 hypervisor which means it is loaded on an existing base operating system. I loaded Fedora Linux on VirtualBox by downloading the ISO file from the Fedora Project Website. I then set some basic memory and hard drive parameters, and it was set up to where I could load the image inside of the virtual system. Finally, I spent some time getting familiar with the operating system and ran a few terminal commands.

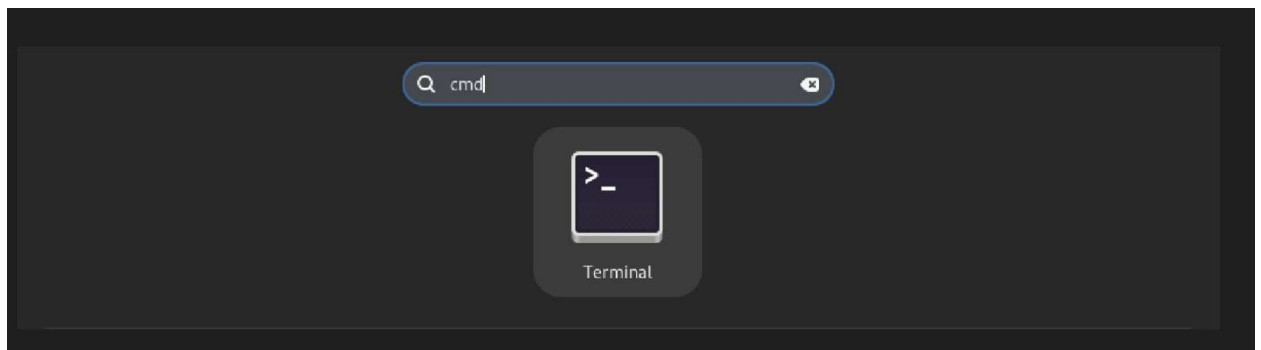
Screenshots

1, **Oracle VM VirtualBox Manager showing your Fedora VM**

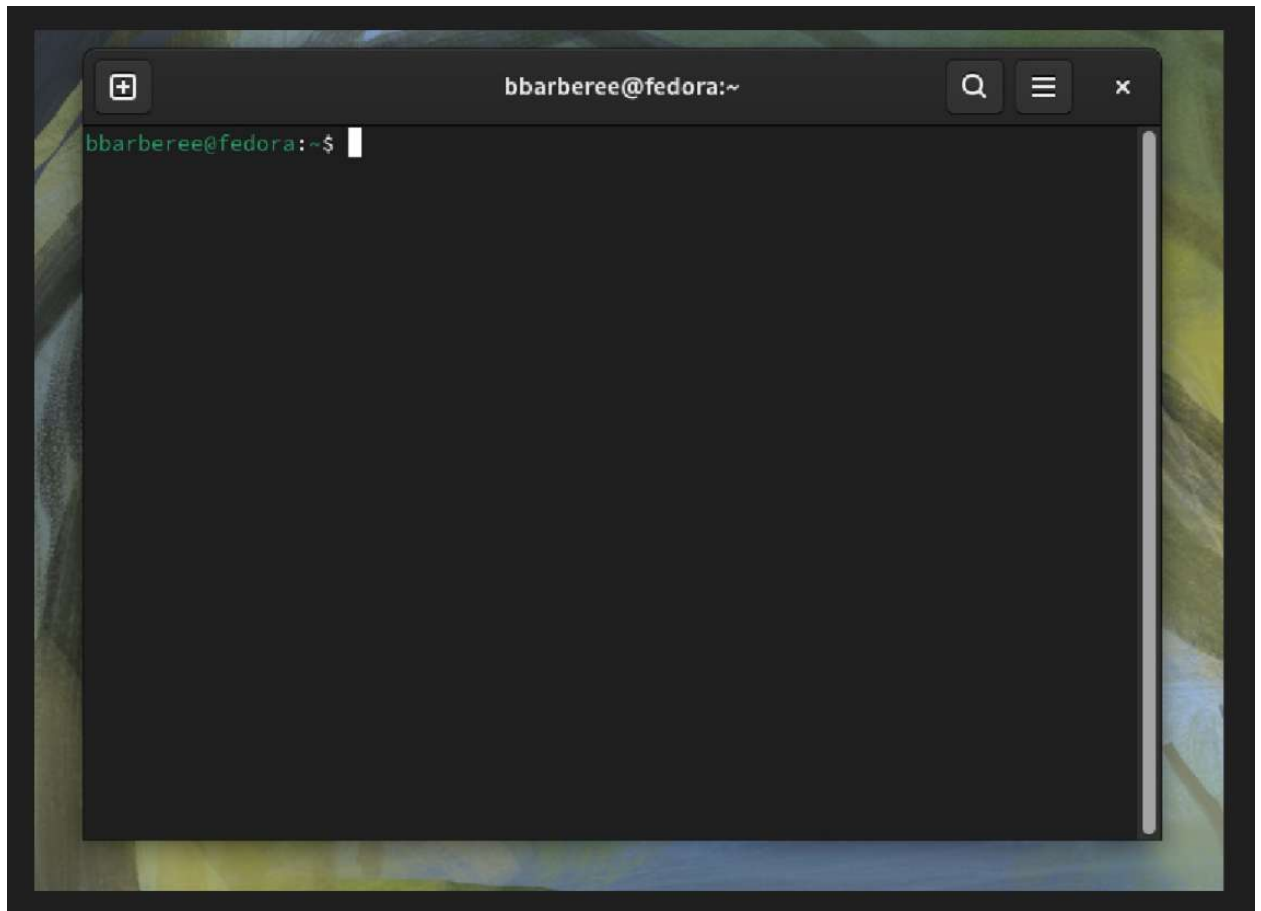


2, Command Line interface displaying username and command used to get it.

This is done by typing “cmd.”

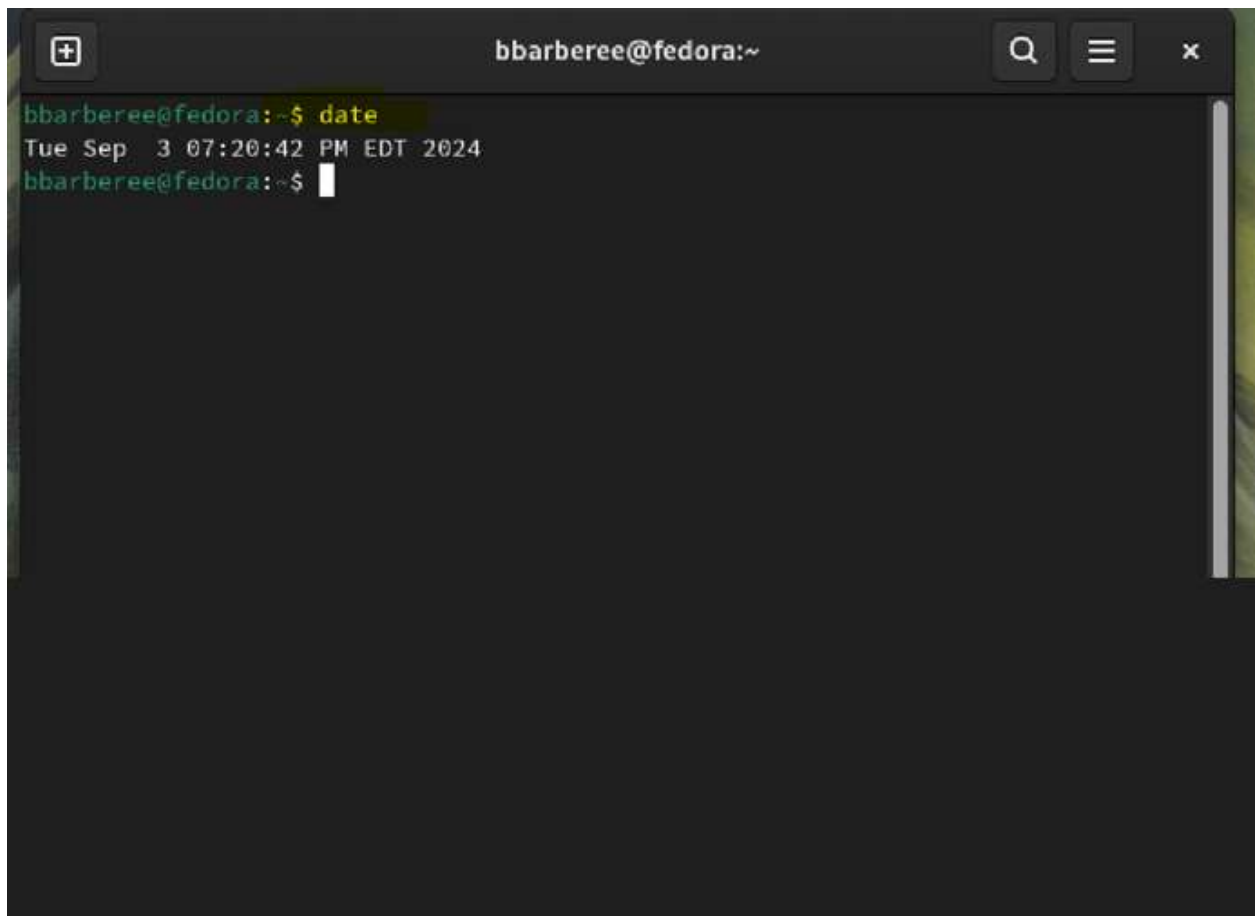


Then “Enter.”



3, Command Line interface displaying system date and command used to get it.

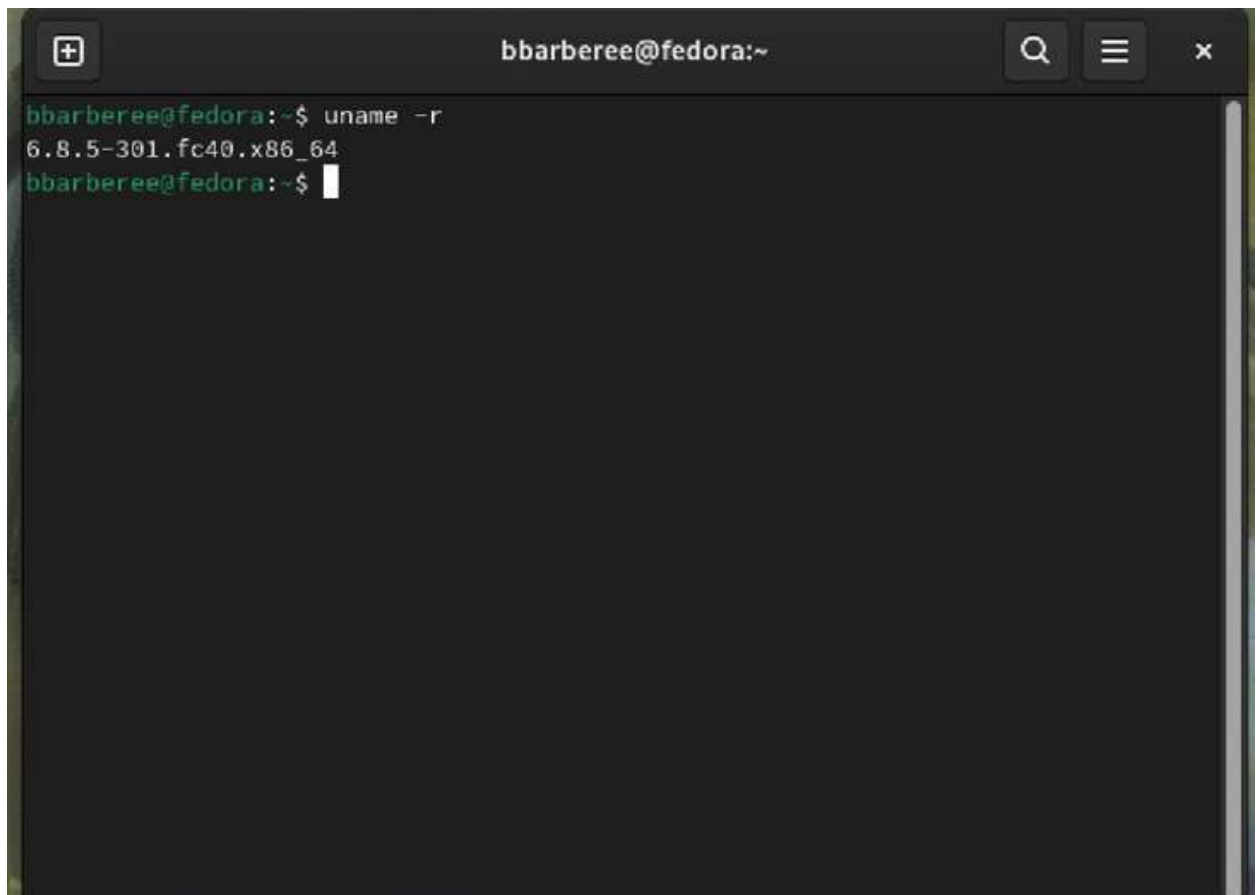
This is done by typing “date” in the command line interface.

A terminal window titled 'bbarberee@fedora:~' with search, menu, and close icons. The prompt 'bbarberee@fedora:~\$' is followed by the command 'date' in yellow. The output is 'Tue Sep 3 07:20:42 PM EDT 2024'. The prompt 'bbarberee@fedora:~\$' is followed by a white cursor.

```
bbarberee@fedora:~$ date
Tue Sep 3 07:20:42 PM EDT 2024
bbarberee@fedora:~$
```

4, Command Line interface displaying kernel version and command used to get it.

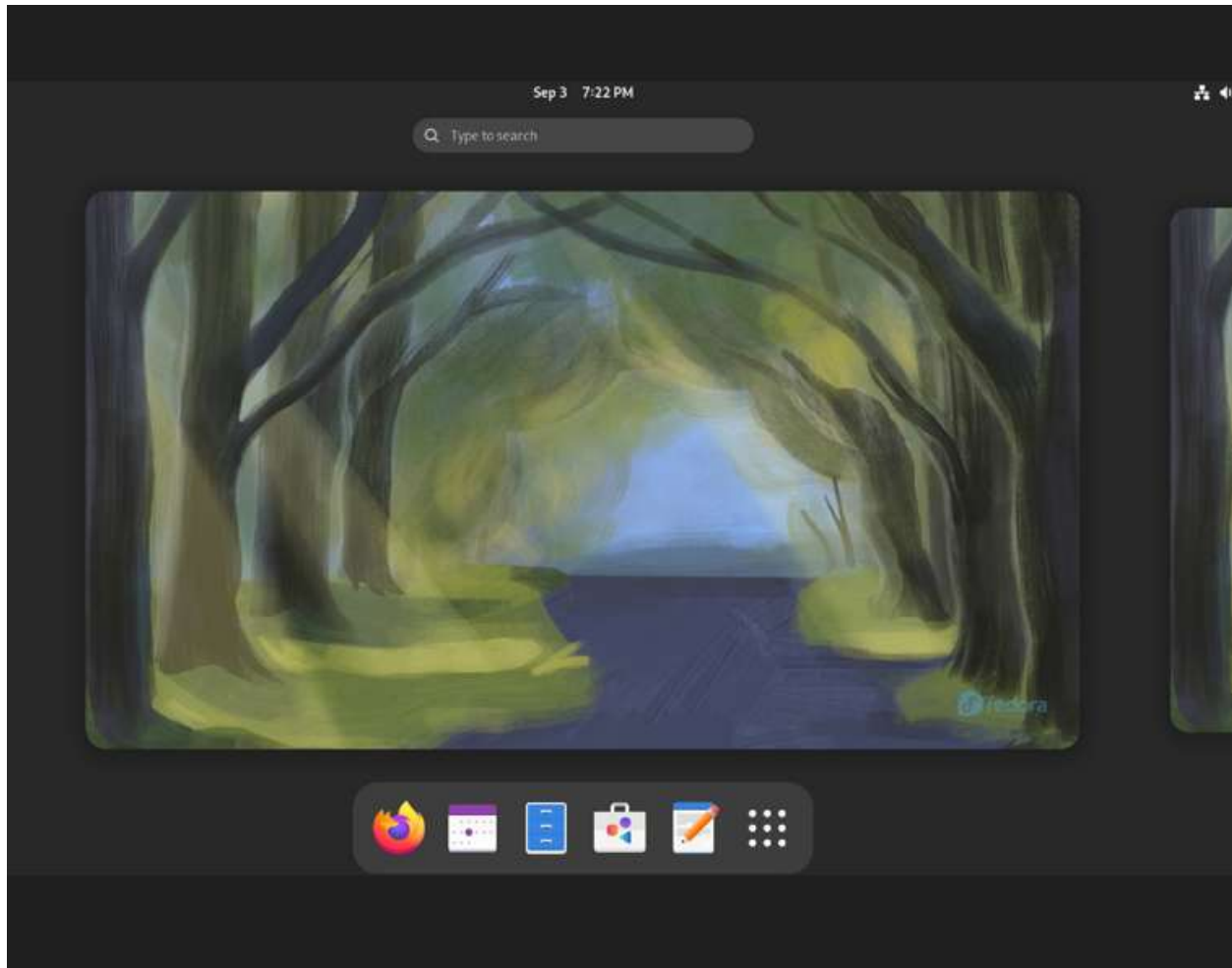
This is done by typing “uname -r” in the command line interface

A terminal window with a dark background. The title bar at the top shows 'bbarberee@fedora:~' and standard window controls (search, menu, close). The terminal content shows the command 'uname -r' being executed, with the output '6.8.5-301.fc40.x86_64' displayed on the next line. The prompt 'bbarberee@fedora:~\$' is visible at the end of the line.

```
bbarberee@fedora:~$ uname -r
6.8.5-301.fc40.x86_64
bbarberee@fedora:~$
```

5, After pressing Fedora Super Key.

The Super Key in Fedora is the same key the "Windows Logo" Key. The following happens after pressing it:



Major Components of Kernel Version being used

This Linux Kernel is used to interact between the hardware and the software of a computer. I am using Kernel version 6.8.5-301. The major component I am using is dealing with improvements to virtualization. In addition, this version has broadened the hardware compatibility along with memory, and power management.

