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Setting Up and Personalizing a Windows OS, on Oracle VirtualBox

Abstract;

This guide describes my experience with setting up and customizing a Windows operating system in Oracle VirtualBox. I cover the process of creating a machine installing Windows partitioning the drive and configuring key drivers like graphics, network and audio. Furthermore I touch on installing an office suite application within the environment. I provide aids and explanations to support each step.

Part 1; Setting Up and Customizing the Windows Operating System

Introduction;

The goal of this section is to install a Windows OS on a machine using Oracle VirtualBox to create an environment for office tasks.

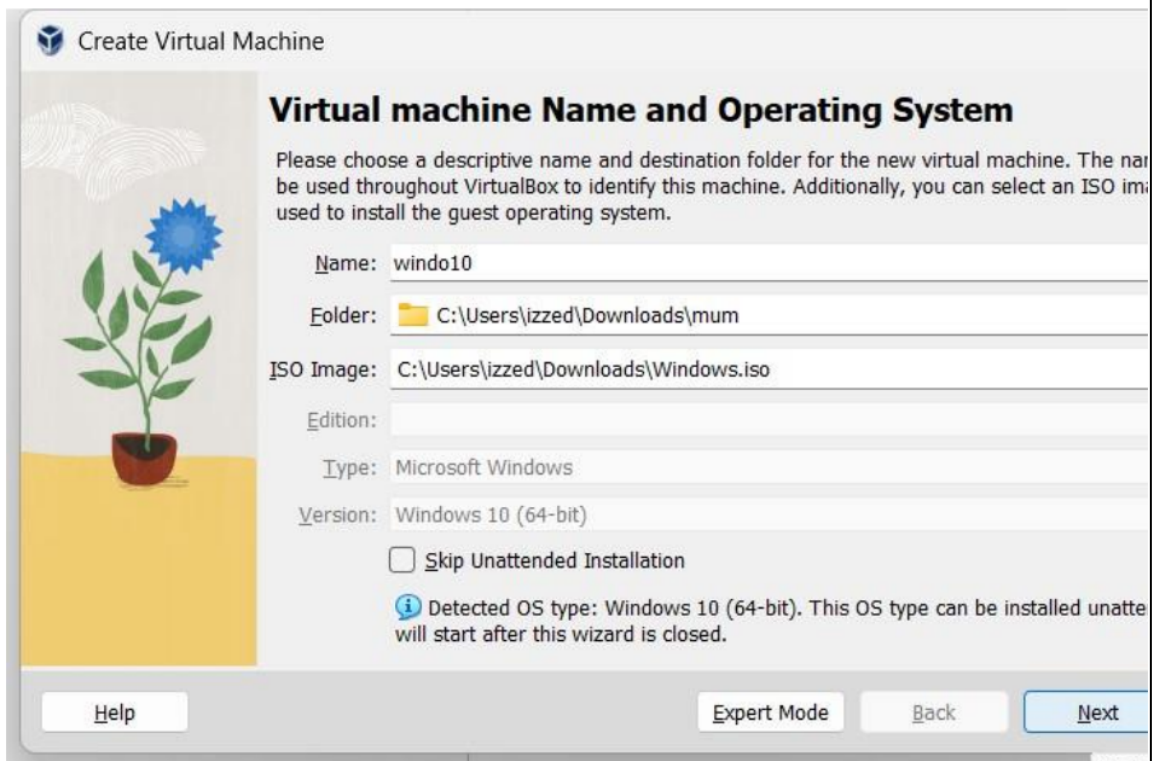
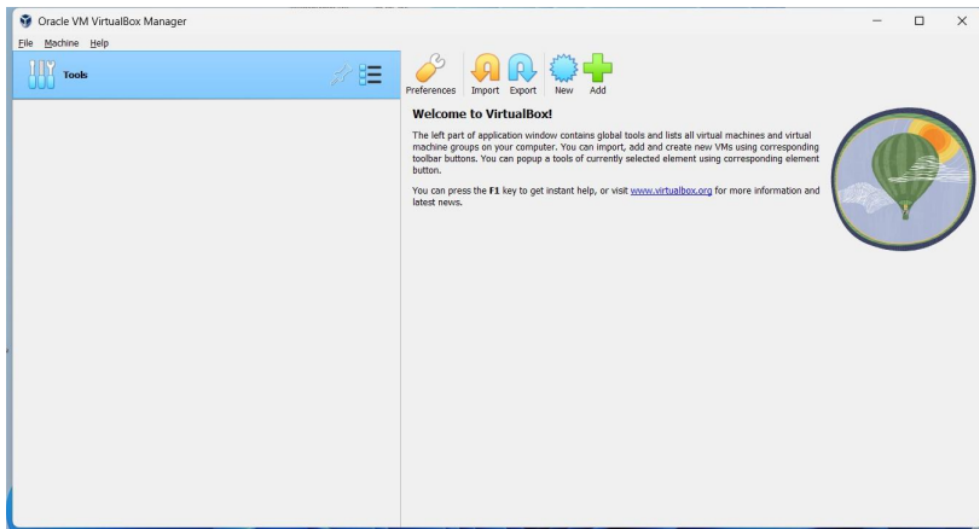
Installing Oracle VirtualBox;

To begin I downloaded the version of Oracle VirtualBox from their official site. The installation was simple as I opted for the default settings to ensure integration, with my hardware configuration.

Setting Up a New Virtual Machine:

I set up a machine, in VirtualBox called "Windows 10 VM." I chose "Microsoft Windows" as the type and "Windows 10 (64 bit)" as the version. The VM was given 4GB of RAM. I made a 50GB VDI (Virtual Disk Image) for the hard drive that could expand based on need saving space on my main machine.

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Create Virtual Machine

Unattended Guest OS Install Setup

You can configure the unattended guest OS install by modifying username, password, and hostname. Additionally you can enable guest additions install. For Microsoft Windows guests it is possible to provide a product key.

Username and Password

Username: ✓

Password: ⓘ

Repeat Password: ⓘ

Additional Options

Product Key:

Hostname: ✓

Domain Name:

☐ Install in Background

☐ Guest Additions

Guest Additions ISO:

Help

Back

Next

Cancel



Create Virtual Machine

Virtual Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new disk file or select an existing one. Alternatively you can create a virtual machine without a virtual hard disk.

☒ Create a Virtual Hard Disk Now

Disk Size: 4.00 MB 2.00 TB

☐ Pre-allocate Full Size

☐ Use an Existing Virtual Hard Disk File

☐ Do Not Add a Virtual Hard Disk

Help

Back

Next

Create Virtual Machine



Summary

The following table summarizes the configuration you have chosen for the new virtual machine. When you are happy with the configuration press Finish to create the virtual machine. Alternatively you can go back and modify the configuration.

 Machine Name and OS Type

Machine Name	windo10
Machine Folder	C:/Users/izzed/Downloads/mum/windo10
ISO Image	C:/Users/izzed/Downloads/Windows.iso
Guest OS Type	Windows 10 (64-bit)
Skip Unattended Install	false

 Unattended Install

Username	vboxuser
Product Key	false
Hostname/Domain Name	windo10.myguest.virtualbox.org
Install in Background	false
Install Guest Additions	false

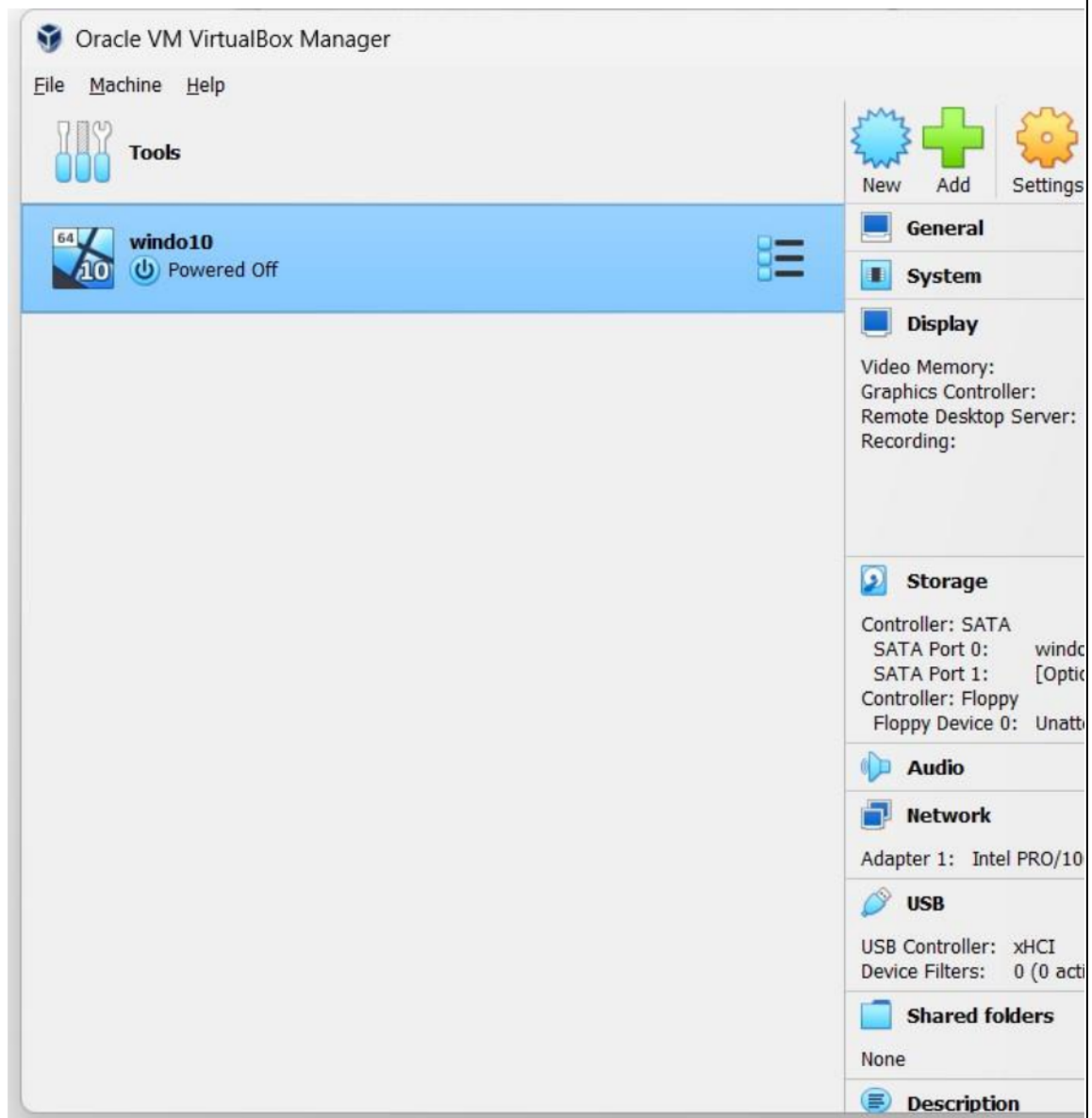
 Hardware

Help

Back

Finish

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Installing Windows

I attached the Windows 10 ISO file to the drive in the VMs storage settings and followed the installation instructions. Opted for a custom setup initially creating one partition. I documented each step with screenshots for reference.

Hard Drive Partitioning

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Post OS installation I used Windows Disk Management tool to partition the drive. I resized the C; drive to free up space and then set up an E; partition for data storage ensuring my system files are kept separate, from data.

Record. Screenshots

I took screenshots at stages of setting up focusing on important setup screens.

Office Applications:

I decided to download OpenOffice and opted to install it on my E; drive of the C; drive where the system files are located. This helps me keep my installation files separate, for data management and system organization. I also took screenshots throughout the installation process to document where the setup files were stored and the exact location of the program files, after installation.

Setting Up Process

1. Finding the Setup File

After the download finished I located the setup file in the VMs default download folder. It's essential to remember where your browser saves files to avoid any confusion on.

2.Executing the Setup

I double clicked on the setup file to start it. The installation of OpenOffice is simple. It provides customization options that I made use of;

Choosing Components;I decided to install all components like Writer, Calc, Impress, Draw, Base and Math. This ensures that I have all the tools needed for working with types of documents.

Setup Location;I opted to install OpenOffice on drive E; which is a partition I set up earlier. Installing applications on a partition from the system drive can enhance system performance. Simplify data management. This separation is particularly helpful, in an environment where disk space and performance're limited.

In conclusion:

Throughout this project I successfully tackled the challenges of setting up an environment using Oracle VirtualBox. This involved installing a Windows operating

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system customizing its settings and configuring system drivers. This hands on experience deepened my knowledge of virtualization technology. How it can be applied practically to create a tailored computing setup.

My journey began with the installation and setup of Oracle VirtualBox followed by creating and fine tuning a machine. The meticulous process of installing Windows OS gave me insights, into the nuances of OS installation in a virtualized setting. By documenting each step from setup to final tweaks I crafted a detailed guide that can be referenced for future projects.

Setting up drivers for components like sound and network cards was crucial to ensure operation and full functionality of the machine. Installing VirtualBox Guest Additions further boosted performance and usability.

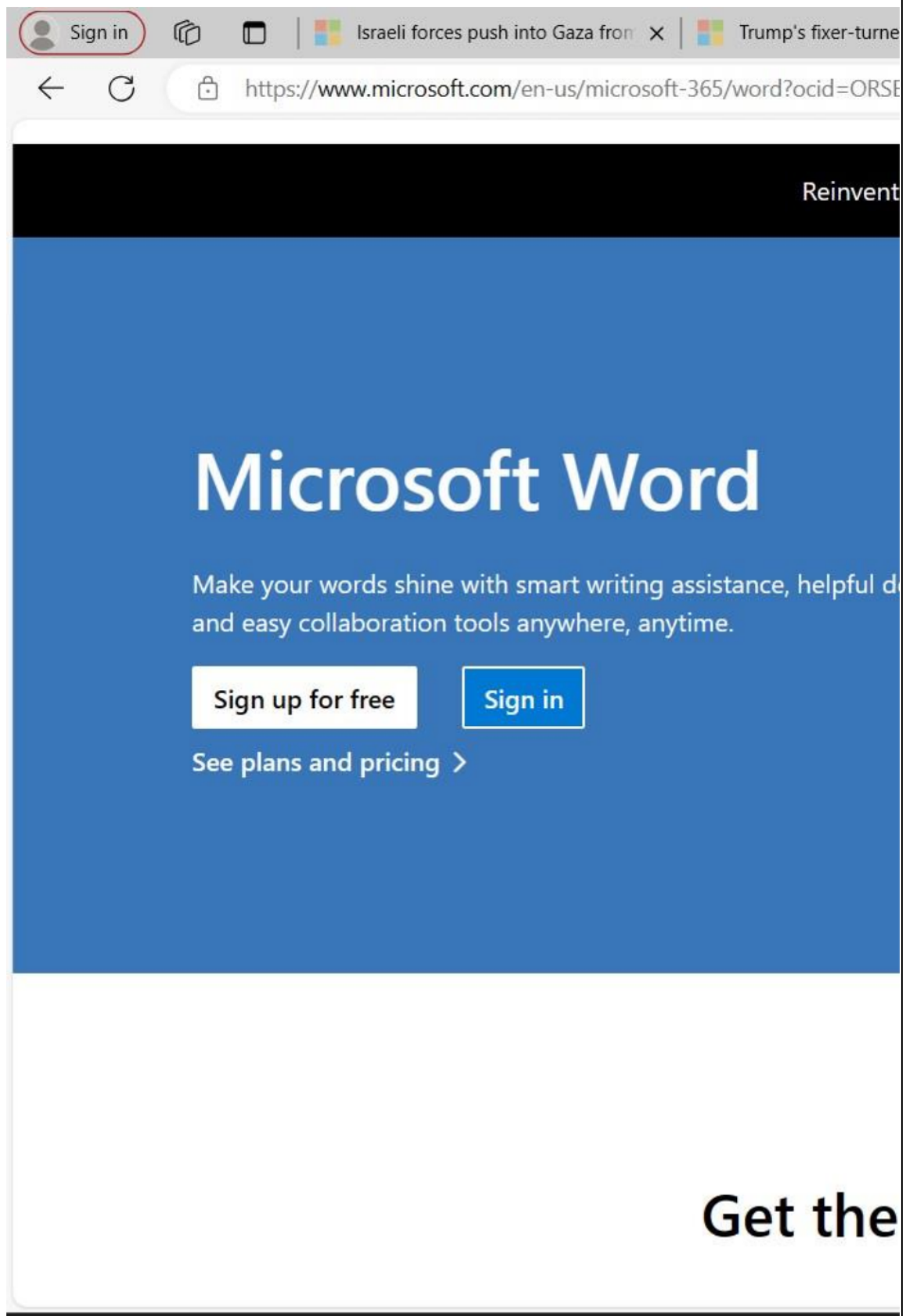
Partitioning the drive was a task that improved my grasp, on storage management in a virtual environment. By creating partitions I organized data storage effectively and optimized system performance overall.

Moreover setting up OpenOffice, on the machine demonstrates how capable it is of running software programs making it a versatile tool for academic and professional use. Choosing the installation path carefully and documenting the process in detail not enhanced the machines functionality but also highlighted my skills in managing and configuring software in a virtual environment.

This project has been crucial in honing my abilities and deepening my understanding of how virtual machines work with software and hardware components. The knowledge and skills acquired are assets for both my endeavors and future career in IT laying a strong foundation for effectively managing and deploying virtual environments.

In summary completing this project successfully not met its requirements. Also significantly boosted my technical expertise equipping me better to handle intricate computing challenges ahead. This experience emphasized the importance of documentation, thoughtful setup and practical application of knowledge essential, for excelling in the IT industry.

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The image is a screenshot of a web browser displaying the Microsoft Word product page. The browser's address bar shows the URL <https://www.microsoft.com/en-us/microsoft-365/word?ocid=ORSE>. The page features a blue background with the Microsoft Word logo at the top right. The main heading is "Microsoft Word" in large white text. Below it, a subheading reads: "Make your words shine with smart writing assistance, helpful d and easy collaboration tools anywhere, anytime." There are two buttons: "Sign up for free" and "Sign in". Below these buttons is a link that says "See plans and pricing >". At the bottom right, the text "Get the" is visible.

Sign in

Israeli forces push into Gaza from X | Trump's fixer-turne

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FINAL GRADE

GENERAL COMMENTS

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TARIQ DEWAT

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ENGAGEMENT WITH LITERATURE



There do not seem to be any reference sources cited

0

KNOWLEDGE AND UNDERSTANDING



The K&U is very limited. Just describing WHAT has been done, instead of WHY various things were chosen, does not contribute to this part of the marking

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COGNITIVE AND INTELLECTUAL

PRACTICAL APPLICATION



While it does appear that VM has been run up, that is the sole extent of screengrabs showing evidence.

You need to provide evidence of checking the drivers, partitioning the disks, installing some software.

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TRANSFERABLE SKILLS



No cover page.

No Table of contents.

Needs better formatting and a more professional layout in line with the guidance provided in the academic skills module studies last semester.

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