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Setting Up an Ubuntu Linux Virtual Machine on Windows 10/11 Using VMware Workstation

A Guide for it students

March 23, 2025

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Dear Kathleen,

Enclosed is our Report, titled "How to Set Up an Ubuntu Linux Virtual Machine on a Windows 10/11 OS Using VMware Workstation." This report provides a comprehensive guide on installing and configuring an Ubuntu virtual machine using VMware Workstation, highlighting its importance in industry applications, ease of use, and potential benefits for students and professionals.

We appreciate your time in reviewing our work and look forward to your feedback.

Sincerely,

Kyootee Puhtootee

Dareen Njatou & Jingyuan Wu  
Computer Engineering Technology  
  
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Enclosure: Report – How to Set Up an Ubuntu Linux Virtual Machine on a Windows 10/11 OS Using VMware Workstation

Executive Summary

This report provides a step-by-step guide on setting up an Ubuntu Linux virtual machine on a Windows 10/11 operating system using VMware Workstation. The report covers the installation process, system requirements, configuration settings, and the benefits of using virtualization for IT professionals and students. By following this guide, users will be able to efficiently set up and use Ubuntu Linux for testing, development, and educational purposes.

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# Introduction

## Purpose

The purpose of this report is to provide a detailed guide on setting up an Ubuntu Linux virtual machine using VMware Workstation on a Windows 10/11 system.

## Scope

This report focuses on the installation and configuration of an Ubuntu virtual machine for users with a basic understanding of virtualization and operating systems.

## Limitations

The guide is limited to VMware Workstation as the virtualization software and Ubuntu as the guest operating system. Other software and OS options are not covered.

## Assumptions

It is assumed that users have access to a Windows 10/11 computer with sufficient system resources and administrative privileges.

## Methods

This report is based on secondary research and direct testing of the installation process.

# Background

## Context

Virtualization is widely used in IT for software development, testing, and server management. This report focuses on setting up a virtual environment for Ubuntu Linux.

## Overview of Virtualization

Virtualization allows multiple operating systems to run on a single physical machine, improving flexibility and resource utilization. VMware Workstation is a popular tool for creating and managing virtual machines.

# Description and Function

## Overview

This section provides a step-by-step guide on installing VMware Workstation and setting up an Ubuntu Linux virtual machine.

## Installing VMware Workstation

Users must download and install VMware Workstation from the official website before proceeding with the virtual machine setup.

## Setting Up Ubuntu Linux VM

Here

### Configuring Virtual Machine Settings

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### Installing Ubuntu on the Virtual Machine

Continue your paragraph.

### Post Installation Configuration

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Figure : I'm an Image Caption!

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## Summary

This section covered the installation of VMware Workstation, setup of an Ubuntu virtual machine, and essential configurations for smooth operation.

# Positive Impacts

## Overview

Virtualization offers numerous benefits, including cost efficiency and ease of use.

## Benefits of Virtualisation

Using virtual machines allows users to assess different operating systems without affecting their primary system.

## Use Cases for IT Students

Students can use virtual machines for coursework, while IT professionals can use them for testing and development.

## Summary

Virtualization enhances productivity, flexibility, and system security.

# Conclusion

Setting up an Ubuntu Linux virtual machine using VMware Workstation is an essential skill for IT students and professionals. This report provided a step-by-step guide to the installation and configuration process, highlighting the benefits of virtualization.

# References

* VMware. (2025). *VMware Workstation User Guide*…
* Ubuntu. (2025). *Ubuntu Installation Guide*…

# Appendices

**Appendix A: System Requirements**  
To install and run VMware Workstation and Ubuntu efficiently, a system should have:

* At least 8GB RAM
* 4-core processor
* 20GB free disk space
* Virtualization enabled in BIOS.

Appendix A: Description here