Project on Linux System Installation & Configuration
SUBMITTED TO - Mr. Rajat Patial

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1. Introduction

This project focuses on the installation and configuration of Linux operating systems on both virtual and physical machines. It includes system setup, manual partitioning, software package installation, and basic network configuration.

2. Objective

To install and configure Linux OS (Ubuntu/CentOS) on virtual or physical systems effectively.

3. Tasks / Description

The project involves the following key tasks:
- Performing manual disk partitioning during installation.
- Installing essential software packages.
- Configuring system network settings.
- Verifying connectivity and hostname setup.

4. Tools / Commands Used

• Ubuntu / CentOS – Linux distributions used for installation.
• ifconfig – Displays and configures network interfaces.
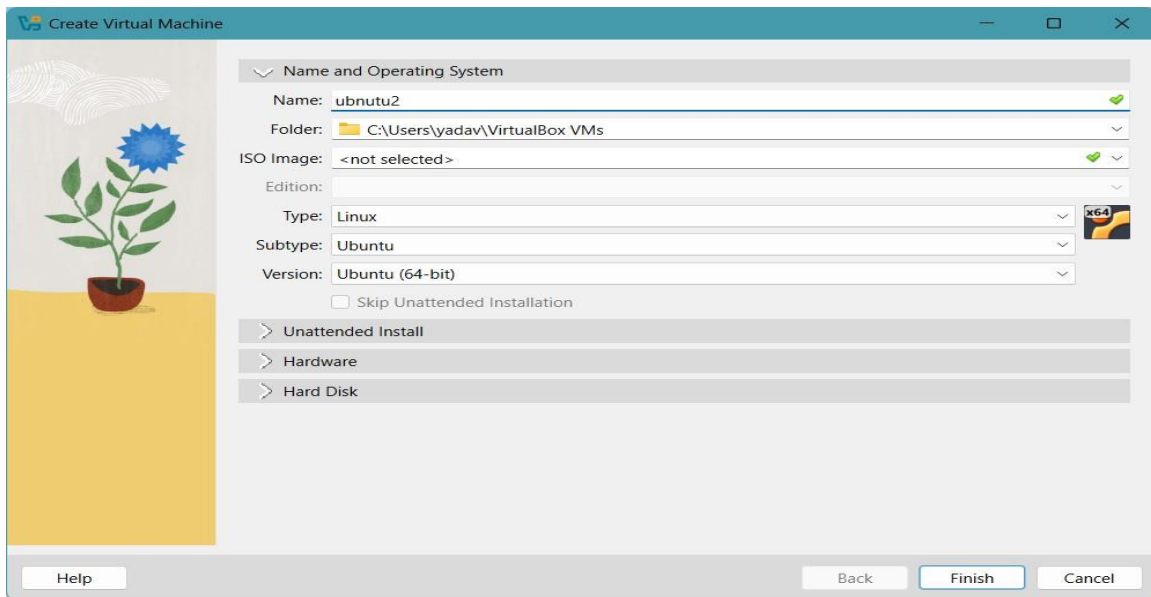• hostnamectl – Configures system hostname and related information.
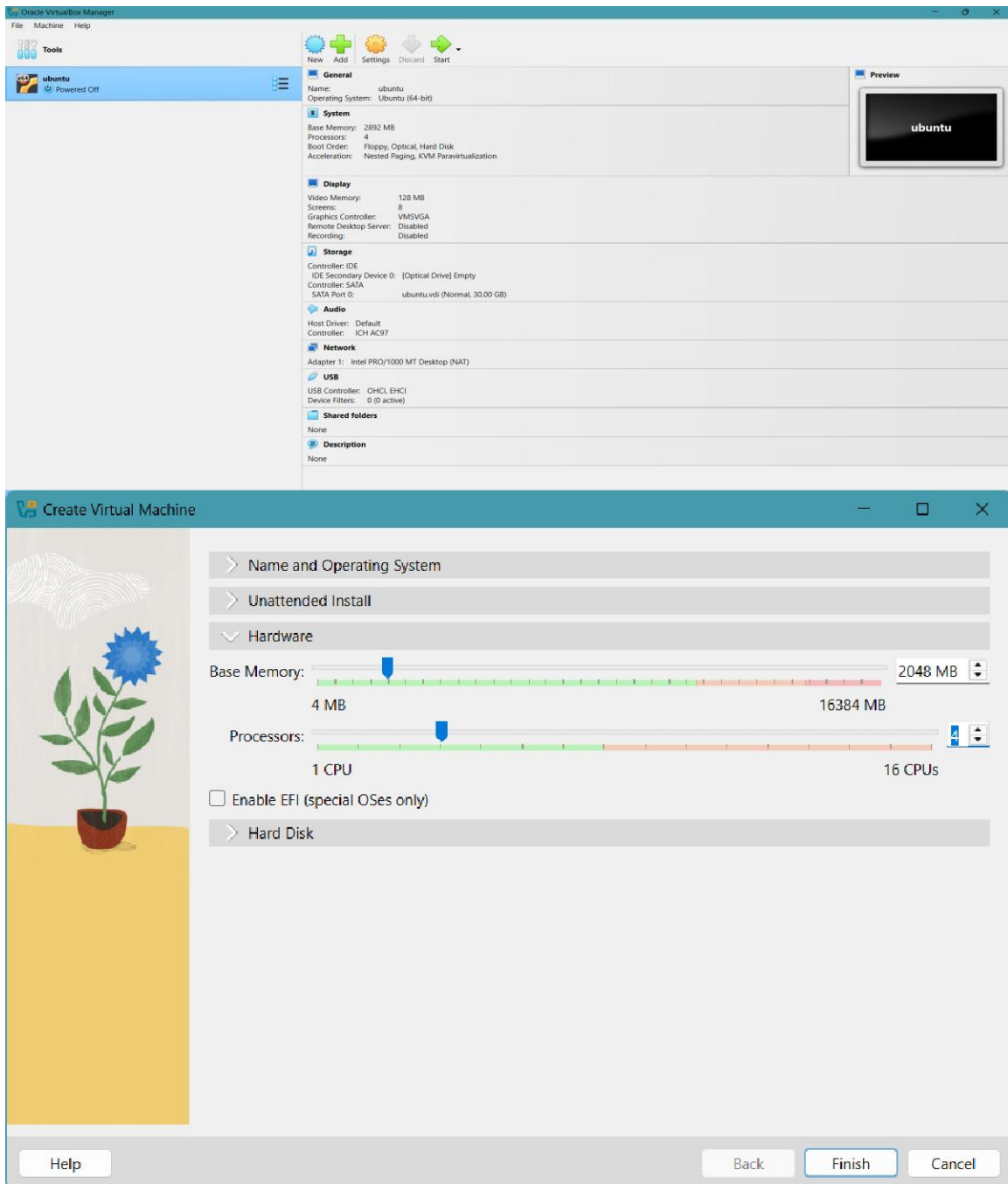
5. Implementation Steps

Steps involved in the project:

1. Boot system using Linux ISO (Ubuntu or CentOS).
2. Select installation type and create partitions manually.
3. Set root and user credentials.

4. Install base system and select required packages.

5. Configure network using ifconfig or GUI settings.

6. Set hostname using hostnamectl.

7. Reboot and verify installation.

6. Screenshots of Implementation

7. Conclusion

This project provides a clear understanding of how to install and configure Linux systems. By performing manual partitioning, installing necessary packages, and setting up

network configurations, students gain hands-on experience with essential Linux administration tasks.

Github : **https://github.com/pankajverma-2411/Linux-System-Installation-Configuration-**