#!/bin/bash

# Function to run a command and handle errors

run\_command() {

echo -e "\n$1"

eval $2

if [ $? -ne 0 ]; then

echo "Warning: The command encountered an error, but continuing with the script."

fi

}

# Function to pause before closing

pause() {

read -p "Press any key to continue or Ctrl+C to exit..."

}

# Step 1: Install Dependencies

install\_dependencies() {

echo "Step 1: Installing necessary dependencies..."

run\_command "sudo apt update" "Updating package lists..."

run\_command "sudo apt upgrade -y" "Upgrading system packages..."

run\_command "sudo apt install -y cmake gcc g++ git build-essential libpng-dev wget curl" "Installing build tools and dependencies..."

}

# Step 2: Install Box64

setup\_box64() {

echo "Step 2: Setting up Box64..."

run\_command "git clone https://github.com/ptitSeb/box64.git" "Cloning Box64 repository..."

run\_command "cd box64 && mkdir build && cd build && cmake .. -DCMAKE\_BUILD\_TYPE=RelWithDebInfo && make" "Building Box64 from source..."

run\_command "cd box64/build && sudo make install" "Installing Box64..."

run\_command "sudo ldconfig" "Refreshing library paths for Box64..."

}

# Step 3: Install Box86

setup\_box86() {

echo "Step 3: Setting up Box86..."

run\_command "git clone https://github.com/ptitSeb/box86.git" "Cloning Box86 repository..."

run\_command "cd box86 && mkdir build && cd build && cmake .. -DCMAKE\_BUILD\_TYPE=RelWithDebInfo && make" "Building Box86 from source..."

run\_command "cd box86/build && sudo make install" "Installing Box86..."

run\_command "sudo ldconfig" "Refreshing library paths for Box86..."

}

# Step 4: Install Wine

setup\_wine() {

echo "Step 4: Installing Wine..."

run\_command "sudo mkdir -pm755 /etc/apt/keyrings" "Creating keyrings directory..."

run\_command "sudo wget -O /etc/apt/keyrings/winehq-archive.key https://dl.winehq.org/wine-builds/winehq.key" "Downloading WineHQ key..."

run\_command "echo 'deb [signed-by=/etc/apt/keyrings/winehq-archive.key] https://dl.winehq.org/wine-builds/ubuntu/ noble main' | sudo tee /etc/apt/sources.list.d/winehq-noble.list" "Setting up Wine repository..."

run\_command "sudo apt update" "Updating package list after adding Wine repository..."

run\_command "sudo apt install --install-recommends winehq-stable -y" "Installing Wine Stable version..."

# Check for unmet dependencies and install them if necessary

run\_command "sudo apt-get install -f -y" "Fixing broken dependencies..."

}

# Step 5: Install DXVK

setup\_dxvk() {

echo "Step 5: Installing DXVK..."

run\_command "wget https://github.com/doitsujin/dxvk/releases/download/v2.3/dxvk-2.3.tar.gz" "Downloading DXVK package..."

run\_command "tar -xvf dxvk-2.3.tar.gz" "Extracting DXVK package..."

run\_command "cd dxvk-2.3 && sudo ./setup\_dxvk.sh install" "Installing DXVK..."

}

# Step 6: Download Steam for Windows

download\_steam() {

echo "Step 6: Downloading Steam for Windows..."

run\_command "wget https://steamcdn-a.akamaihd.net/client/installer/SteamSetup.exe" "Downloading Steam setup executable..."

}

# Step 7: Run Steam with Wine

run\_steam() {

echo "Launching Steam with Wine..."

run\_command "wine SteamSetup.exe" "Running Steam..."

}

# Main function

main() {

echo "Starting installation process..."

pause # Pause before starting the installation

install\_dependencies

setup\_box64

setup\_box86

setup\_wine

setup\_dxvk

download\_steam

run\_steam

echo "Installation complete!"

pause # Pause before closing

}

main