

Operating System Bonus Assignment

Muhammad Shafeen
Roll-No: 22P-9278

1 Ubuntu Installation

1.1 Step 1: GRUB Menu



Figure 1: GRUB menu offers options to try or install Ubuntu, alongside other useful choices.

1.2 Step 2: Booting into the Installer

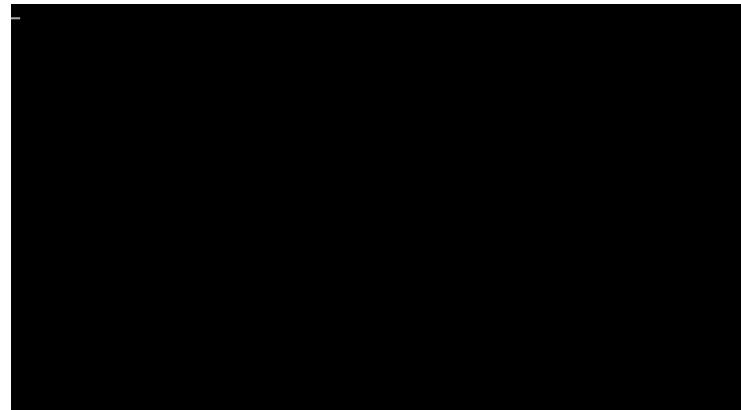


Figure 2: The system begins loading the Ubuntu installer.

1.3 Step 3: Ubuntu Splash Screen

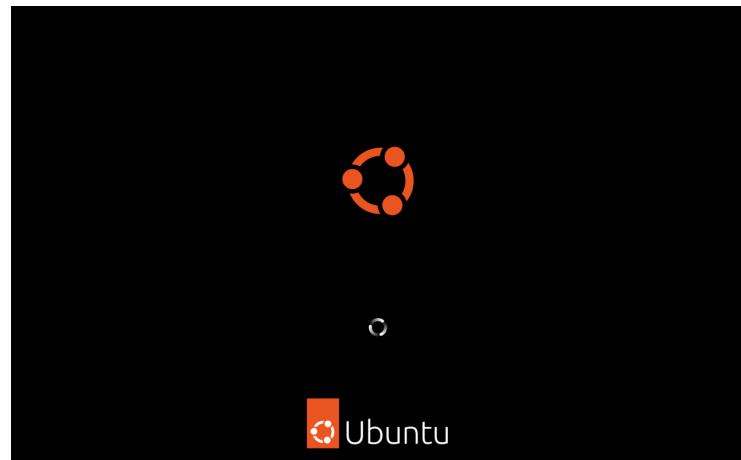


Figure 3: The Ubuntu splash screen with the logo indicates that components are loading.

1.4 Step 4: Verifying Installation Configuration

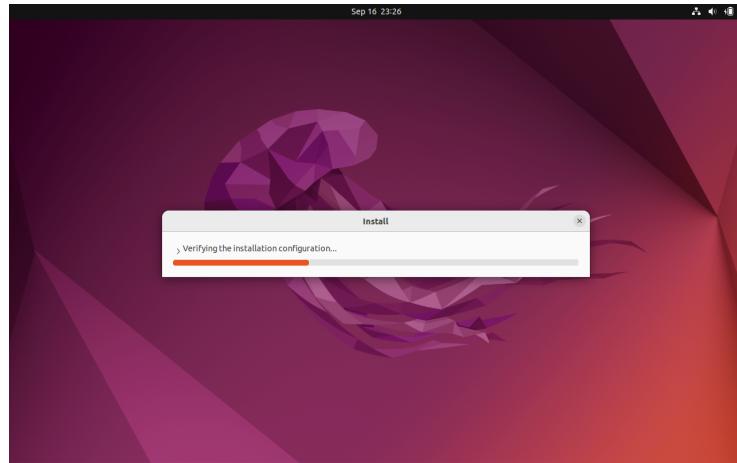


Figure 4: The installer verifies the system configuration to proceed.

1.5 Step 5: Installation Logs

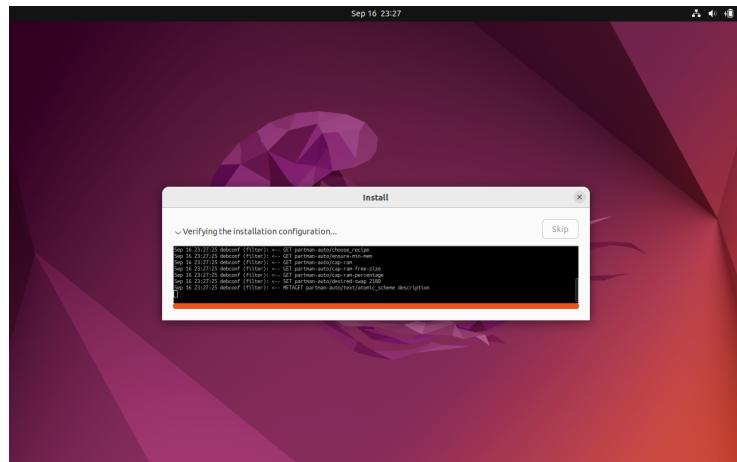


Figure 5: Detailed output logs during the installation process.

1.6 Step 6: User Creation

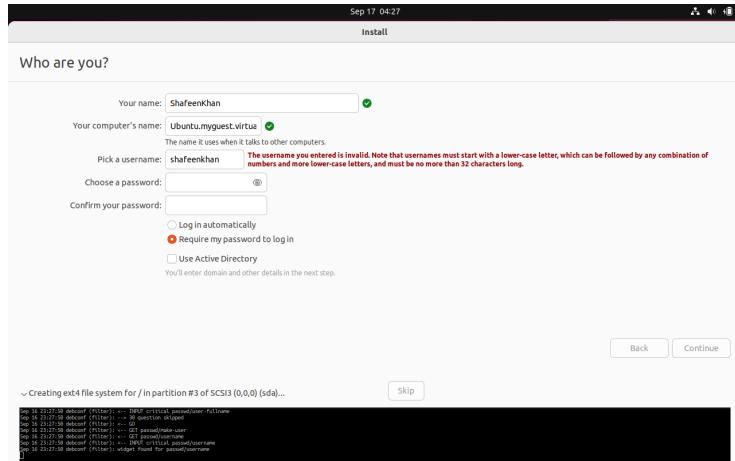


Figure 6: Prompt to create a user account with a username and password.

1.7 Step 7: Copying Files

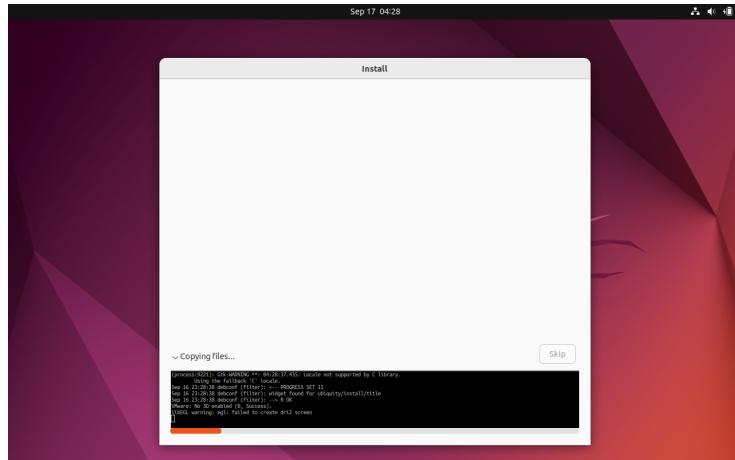


Figure 7: The installer begins copying files to the hard drive.

1.8 Step 8: Installing Additional Software

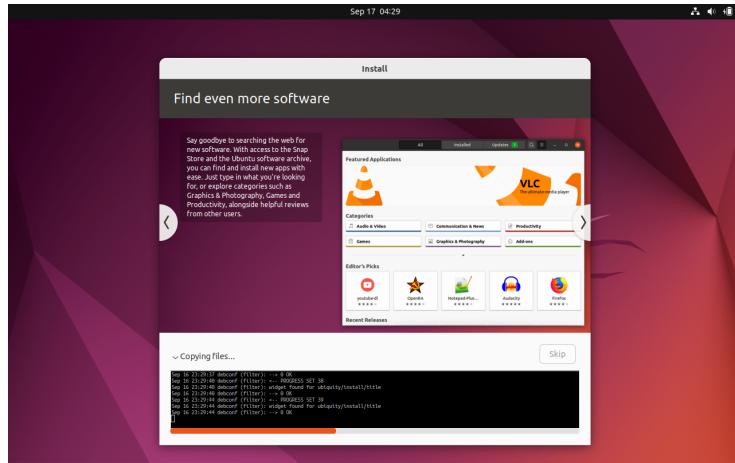


Figure 8: The installer showcases software available in the Ubuntu Software Center.

1.9 Step 9: Application Showcase



Figure 9: Showcase of Shotwell Photo Manager and other applications during installation.

1.10 Step 10: Web Browsing Tools

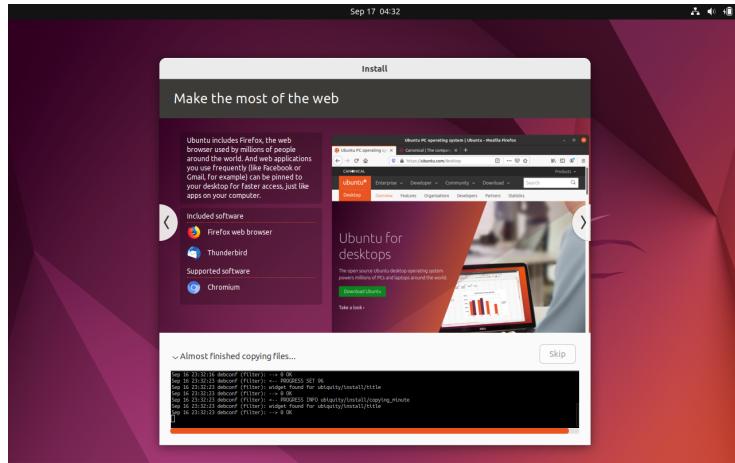


Figure 10: Showcase of web browsers like Firefox and Thunderbird.

1.11 Step 11: Accessibility Options

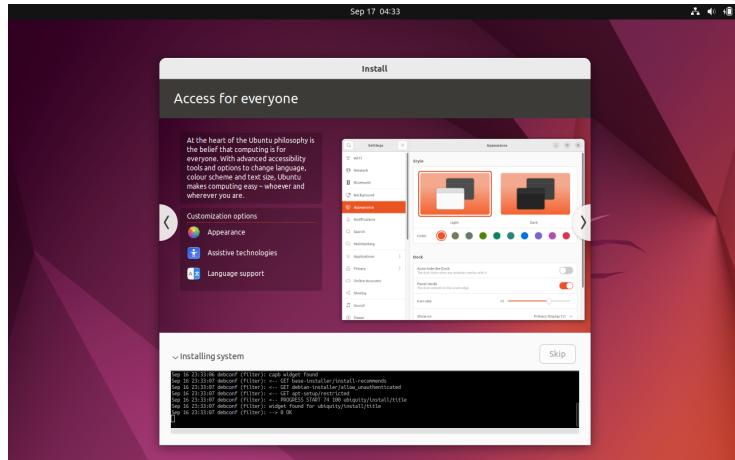


Figure 11: Ubuntu highlights accessibility options such as appearance, assistive technologies, and language support.

1.12 Step 12: Help and Support

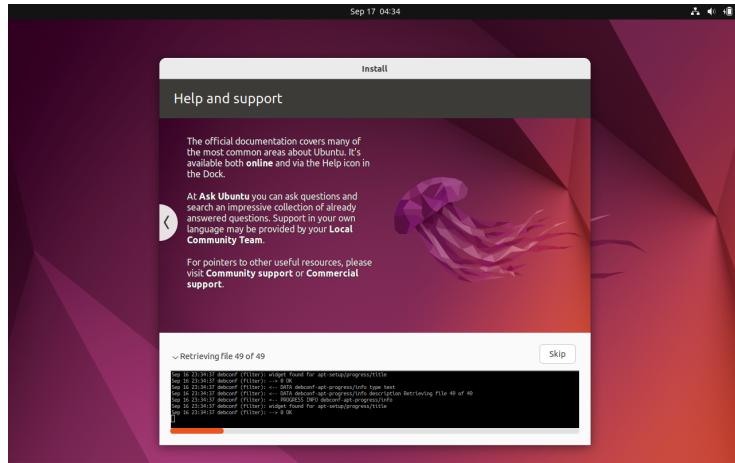


Figure 12: Ubuntu provides help and support channels, including the "Ask Ubuntu" community.

1.13 Step 13: Loading USB Storage Modules

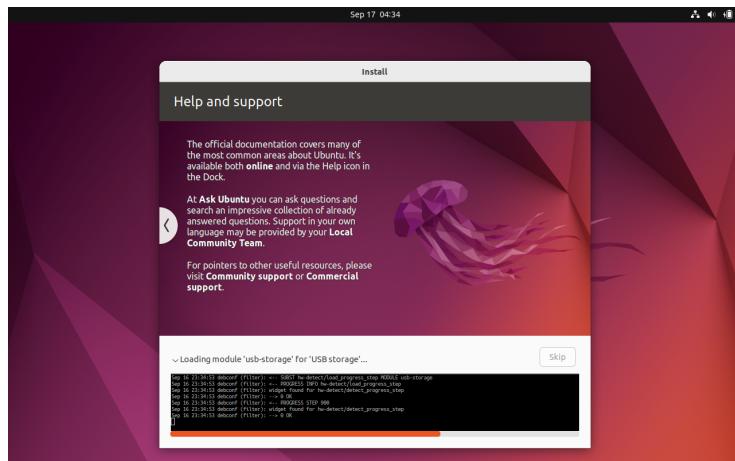


Figure 13: The installer loads modules for USB storage as part of the final installation process.

1.14 Step 14: GRUB Installation

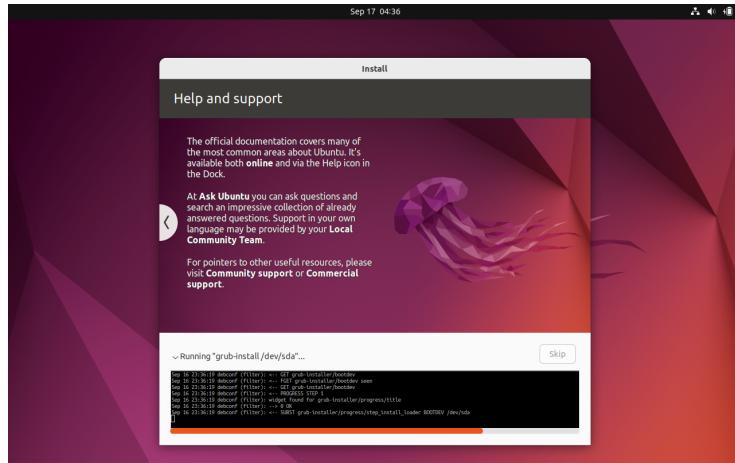


Figure 14: The system installs GRUB, the bootloader, onto the main storage device.

1.15 Step 15: Running dpkg

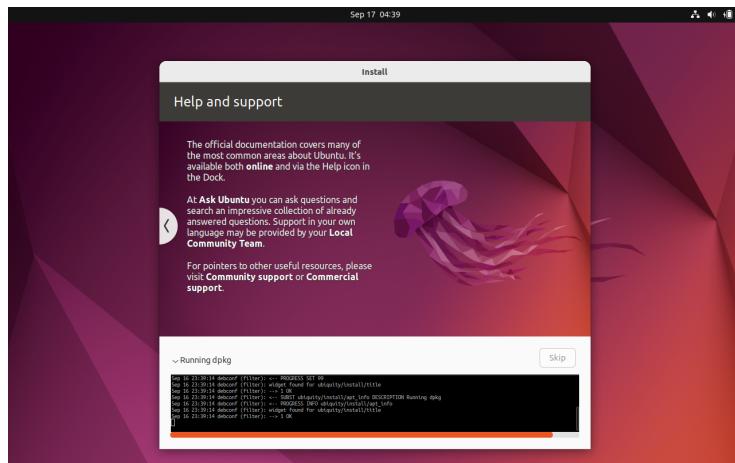


Figure 15: The system runs `dpkg` to manage and configure packages.

1.16 Step 16: Copying Installation Logs

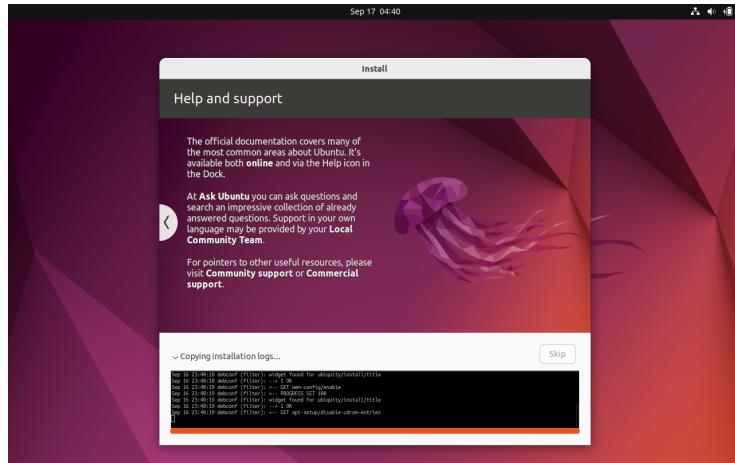


Figure 16: The installer copies logs as the installation process nears completion.

1.17 Step 17: Rebooting

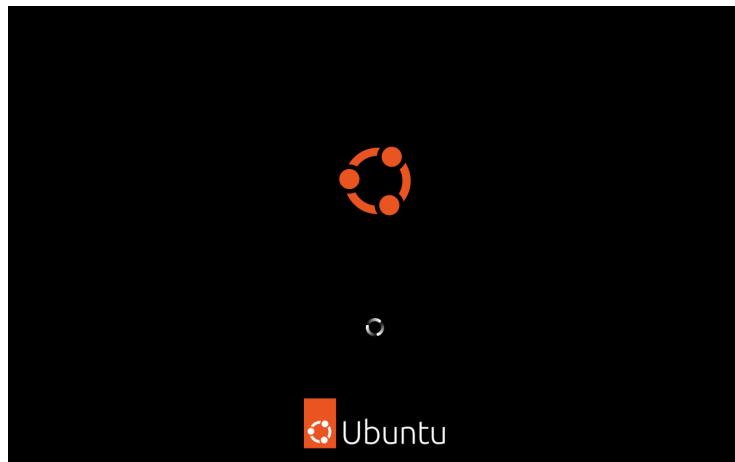


Figure 17: The Ubuntu splash screen reappears as the system reboots after installation.

1.18 Step 18: Final Desktop

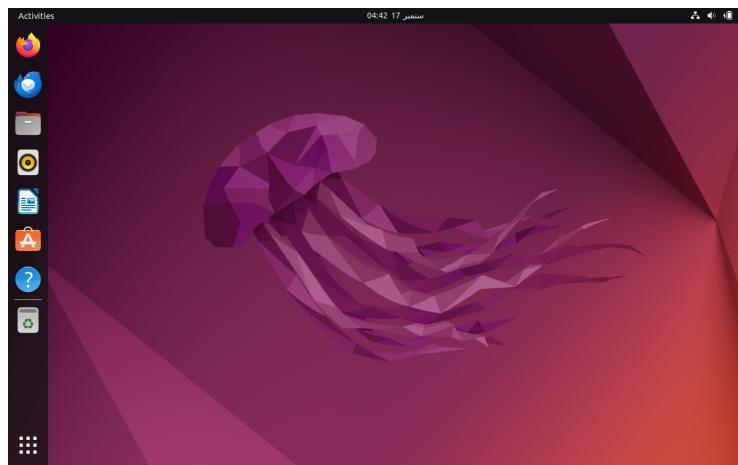


Figure 18: The Ubuntu desktop is displayed after successful installation, with key applications visible in the sidebar.