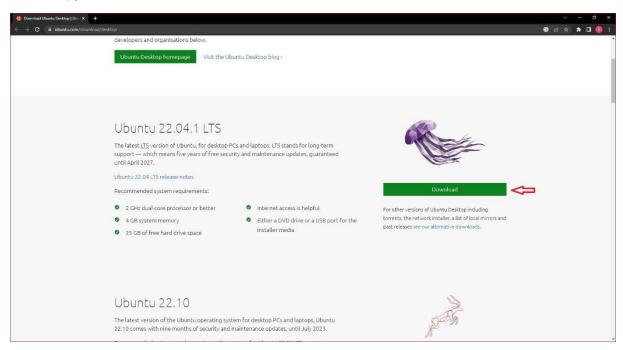
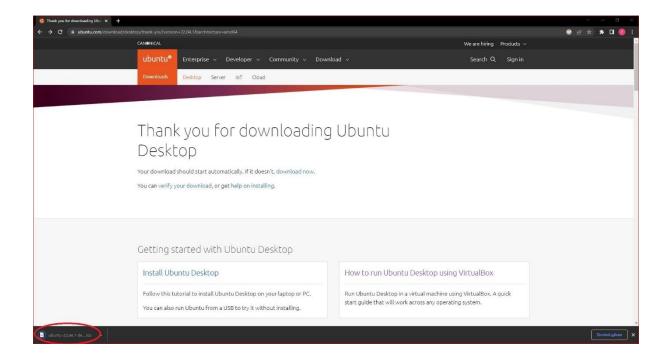


Virtual Box ve Ubuntu 22.04 Kurulumu

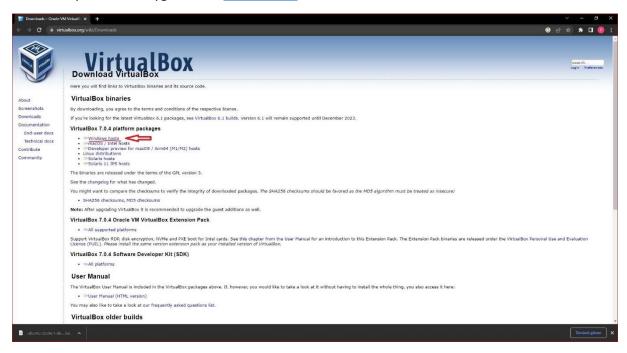
1- Ubuntu 22.04 imajını https://ubuntu.com/download/desktop adresinden veya CrocusPI uygulamalar klasöründen indirin.

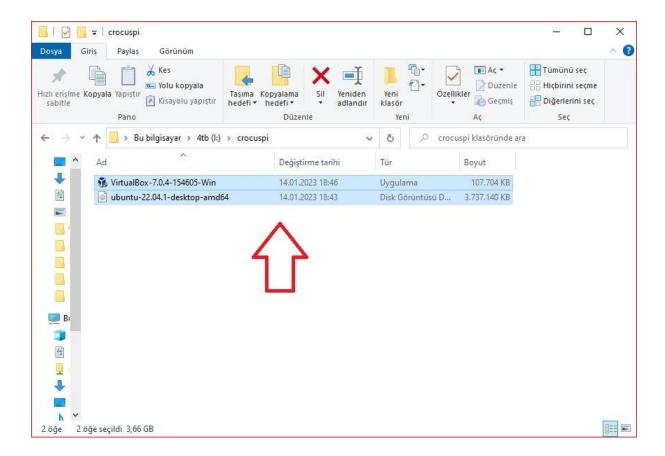






2- Oracle Virtual Box 7.0 yazılımını https://www.virtualbox.org/wiki/Downloads adresinden veya CrocusPI uygulamalar klasöründen indirin.

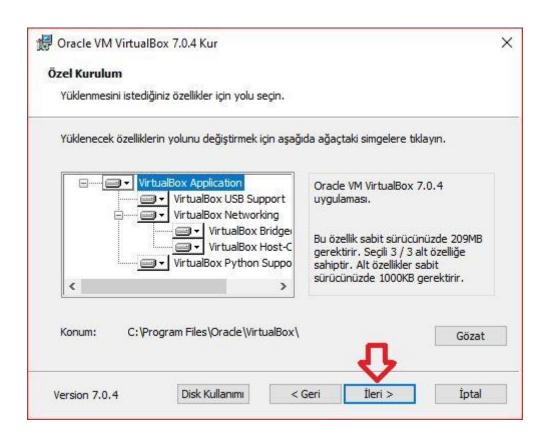






3- Virtual Box 'ı kurun.



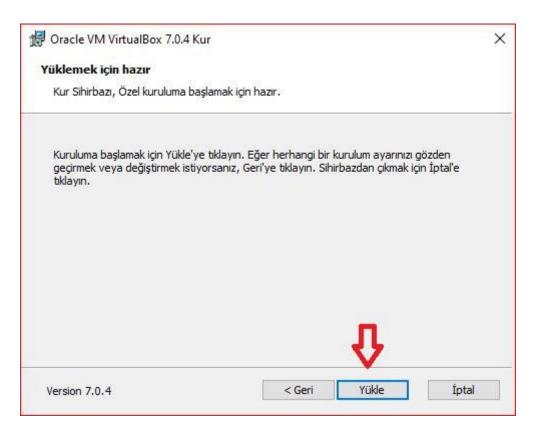


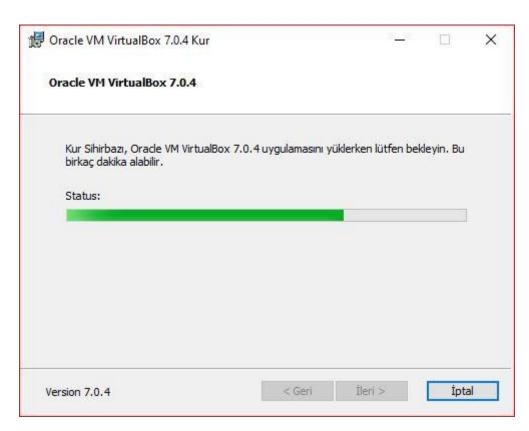








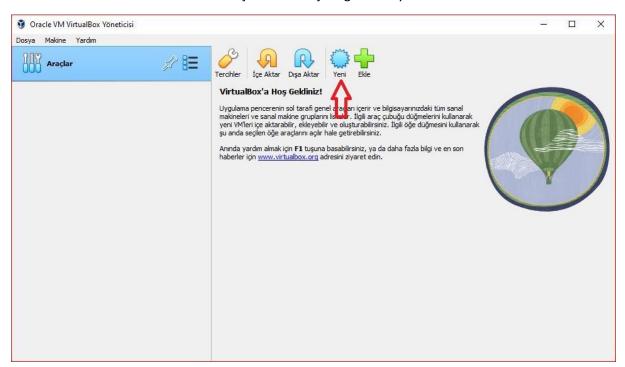






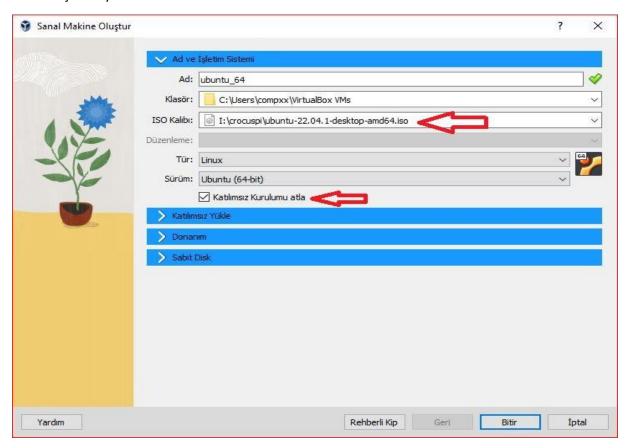


4- Yeni bir sanal makine kurmak için "Yeni" seçeneğine tıklayın.

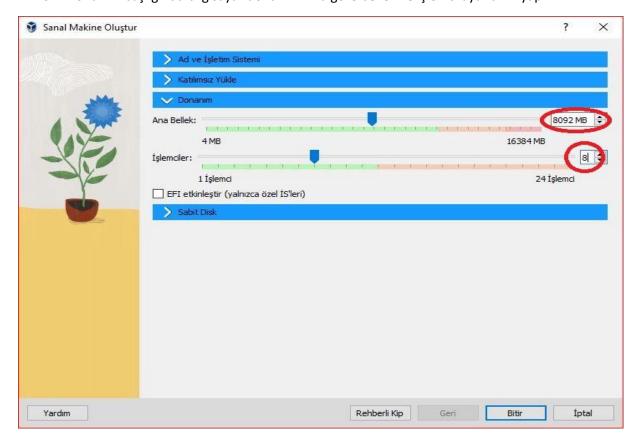




5- ISO kalıbı olarak indirilen Ubuntu imajını ekleyin. "Katılımsız kurulumu atla" seçeneğini işaretleyin.

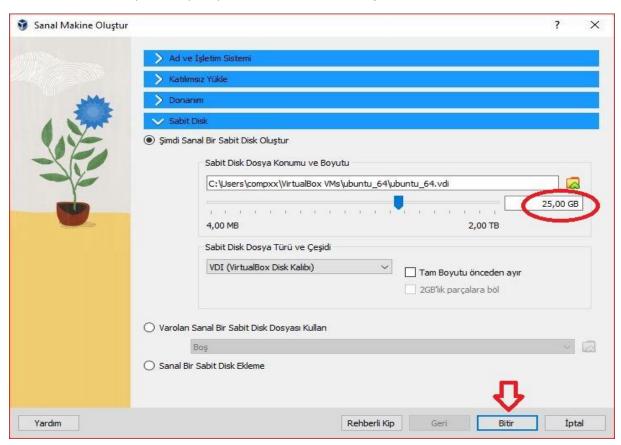


6- Donanım başlığında bilgisayar donanımınıza göre bellek ve işlemci ayarlarını yapın.

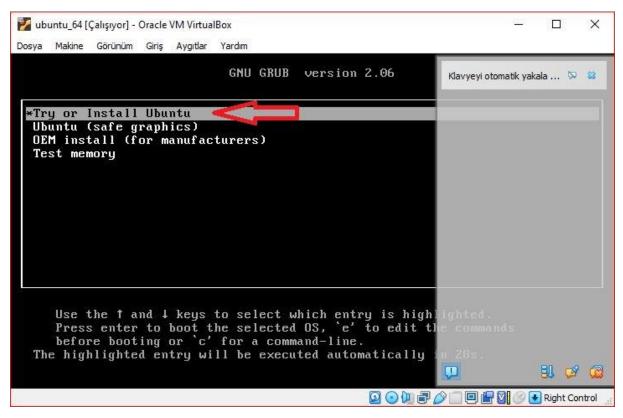




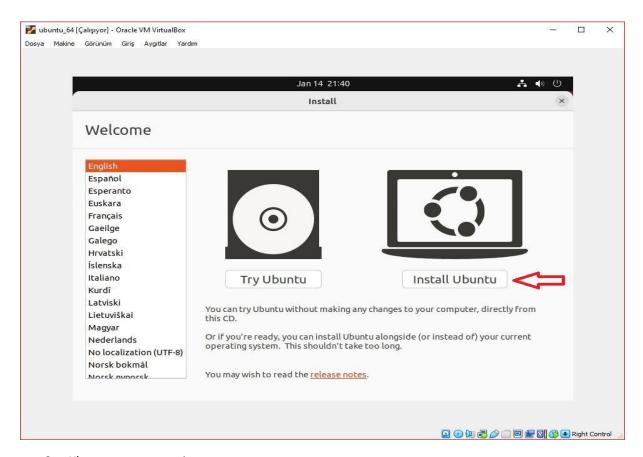
7- Sabit Disk boyutunu ayarlayın ve "Bitir" ile sistemi başlatın.



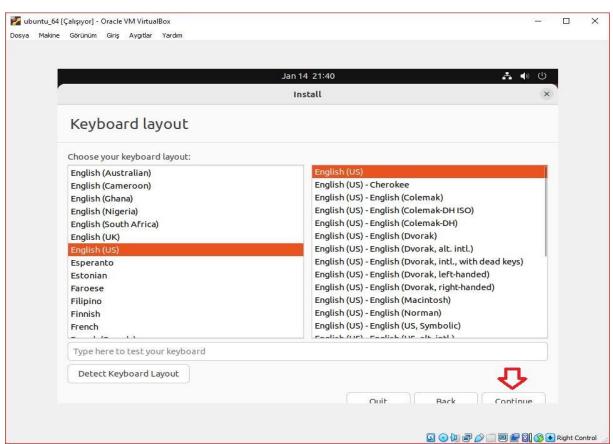
8- Ubuntu başlangıç seçeneklerinde Kurulumu seçin.



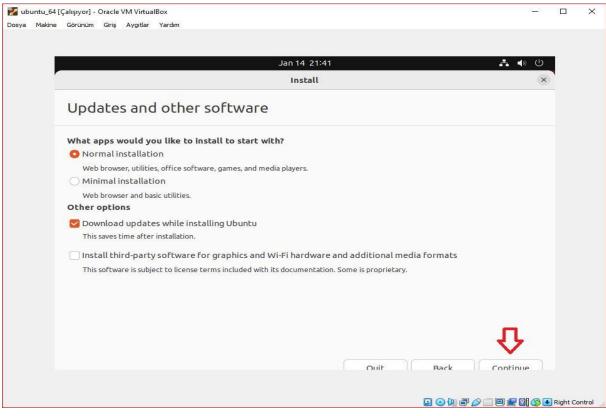


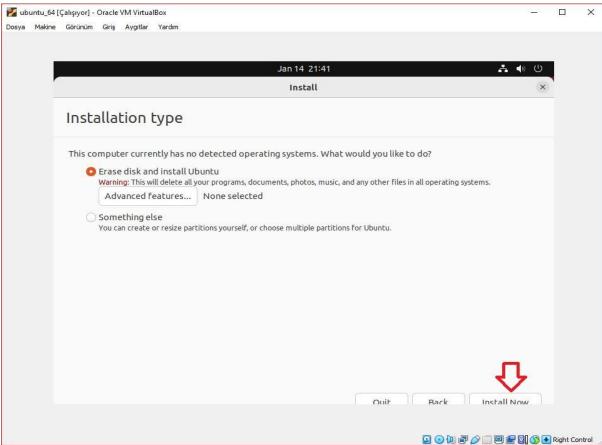


9- Klavye ayarınızı seçin.

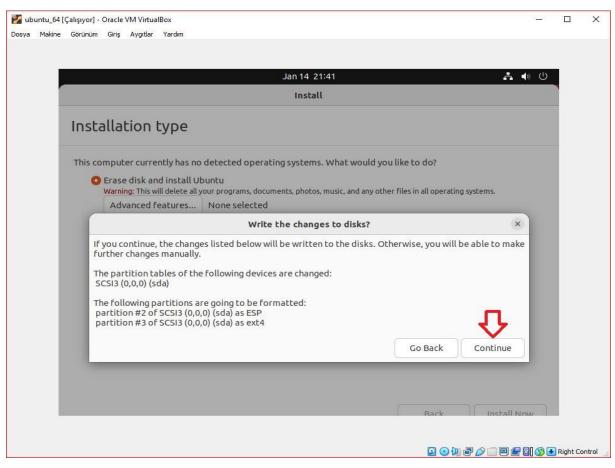


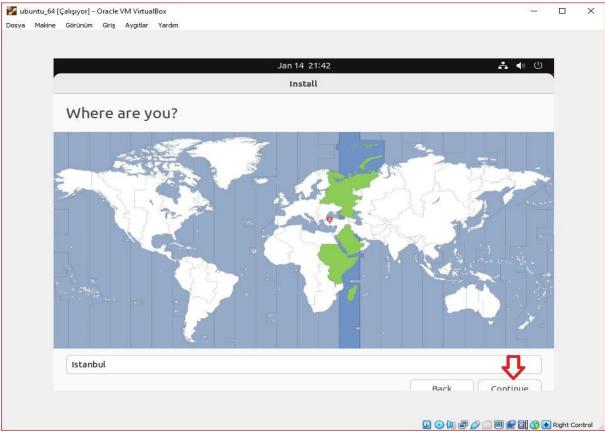






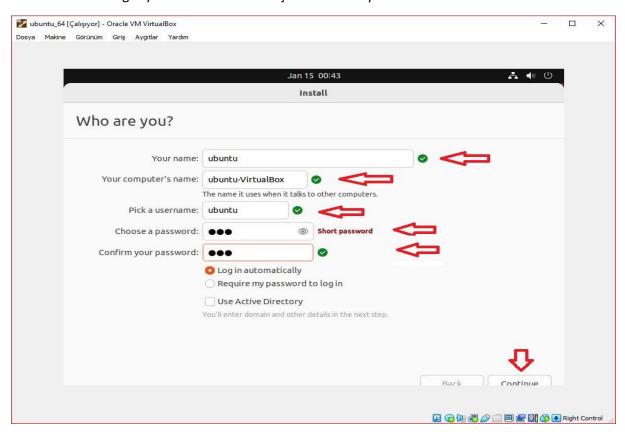




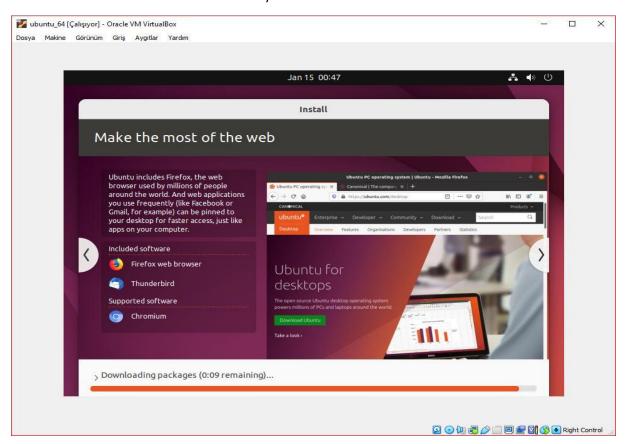




10- Ubuntu bilgisayar adı ve kullanıcı adı şifrenizi belirleyin.

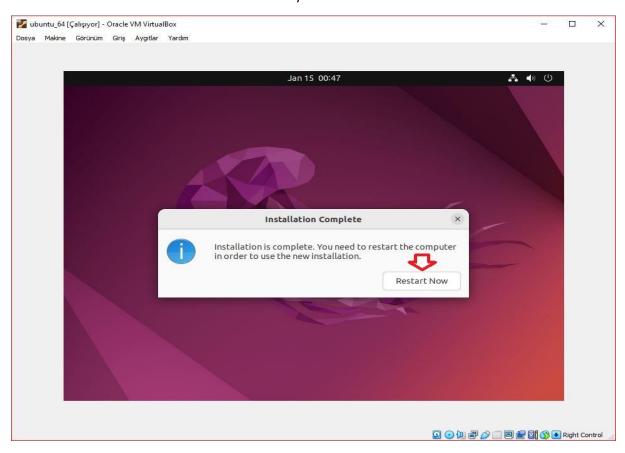


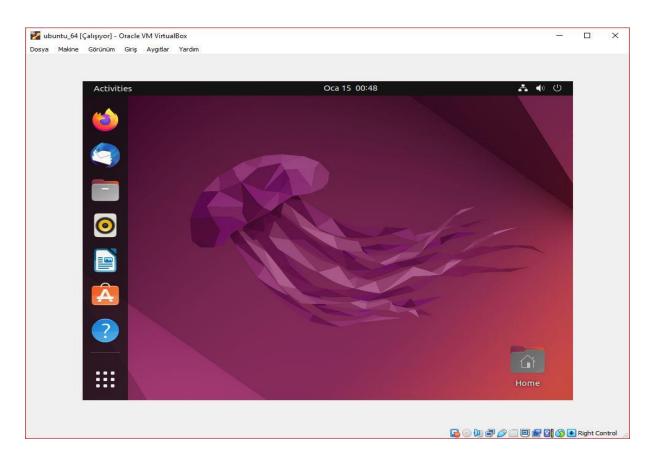
11- Kurulumun tamamlanmasını bekleyin.





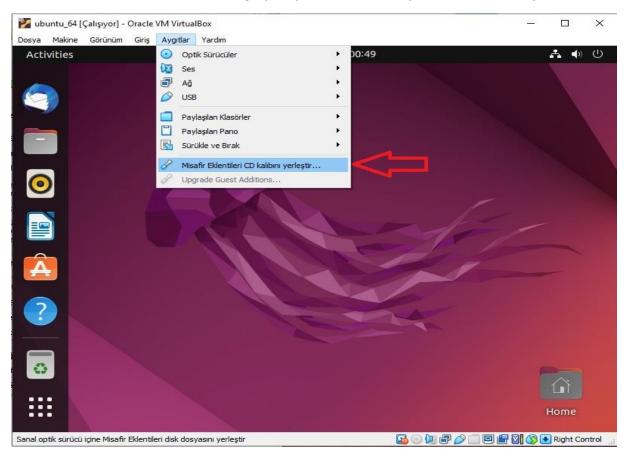
12- Kurulum tamamlandıktan sonra makineyi restart edin.



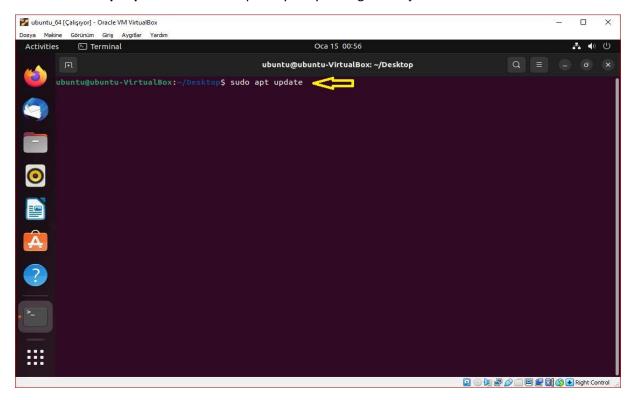




13- Misafir eklentileri kurulumunu gerçekleştirin. Kurulum bu işlem ile tamamlanmış olacak.

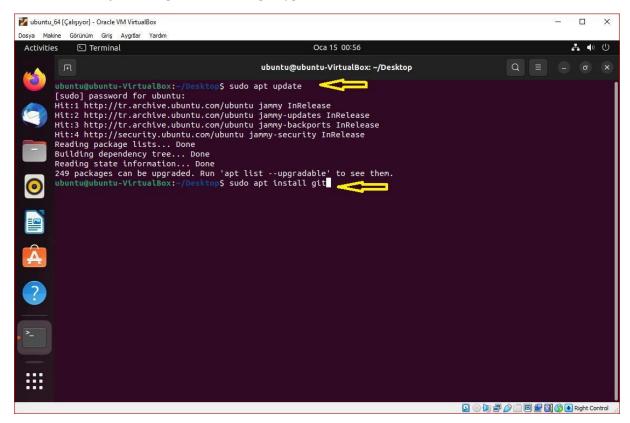


14- "sudo apt update" komutu ile paket yükleyicisini güncelleştirin.

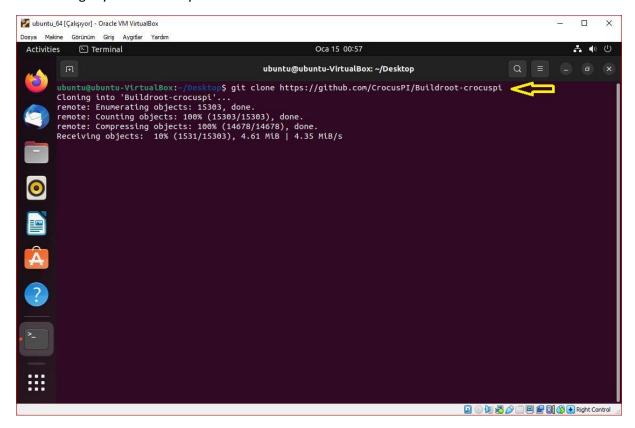




15- "sudo apt install git" komutu ile git uygulamasını kurun.

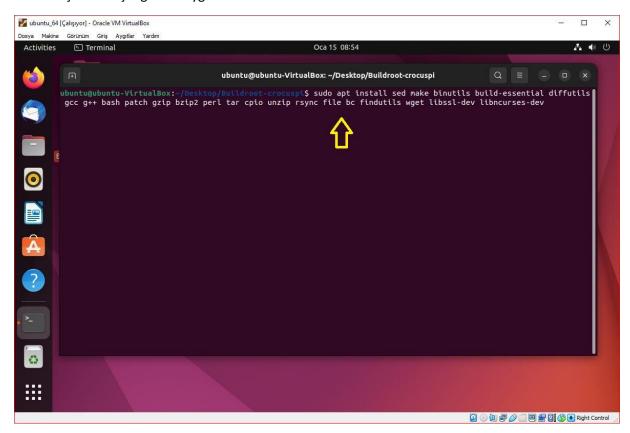


16- "git clone https://github.com/CrocusPI/Buildroot-crocuspi" komutu ile github deposunu bilgisayarınıza klonlayın.

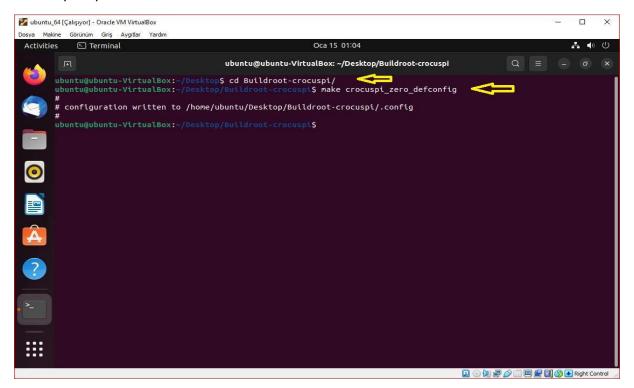




17- "sudo apt install sed make binutils build-essential diffutils gcc g++ bash patch gzip bzip2 perl tar cpio unzip rsync file bc findutils wget libssl-dev libncurses-dev" komutu ile derleme işlemleri için gerekli uygulamaları kurun.

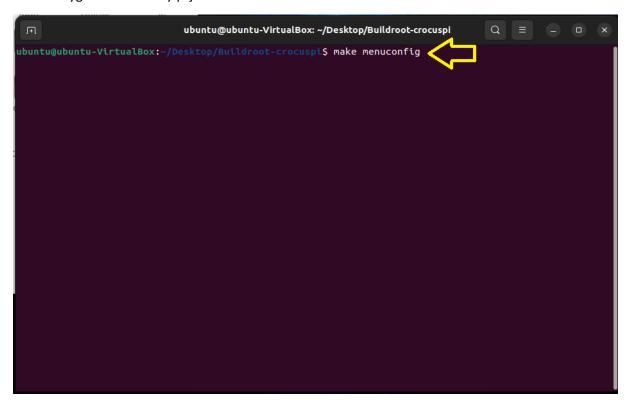


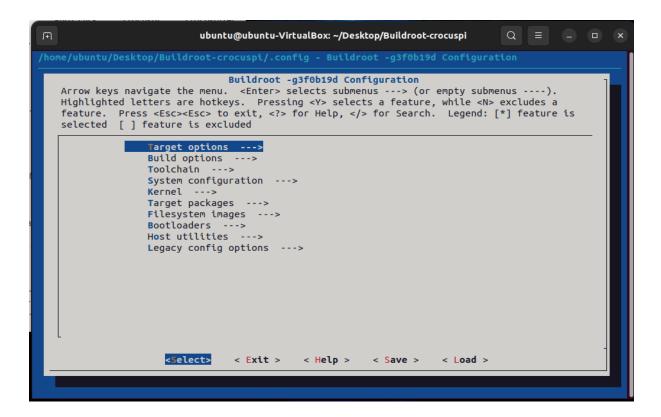
18- Buildroot klasöründe iken "make crocuspi_zero_defconfig" komutu ile CrocusPI ayarlarını yükleyin.





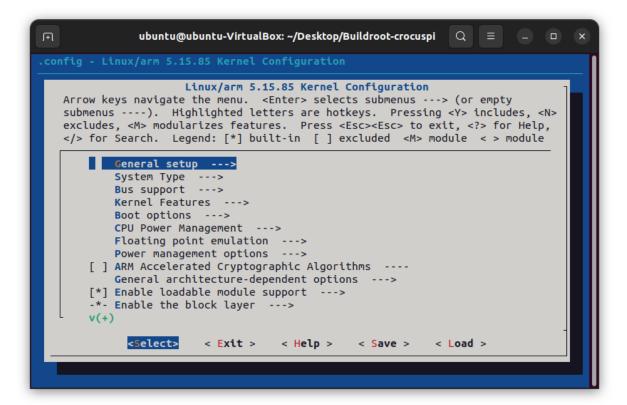
19- "make menuconfig" komutu ile Buildroot paketlerini özelleştirebilirsiniz. İstediğiniz uygulamaları ekleyip çıkarabilirsiniz.





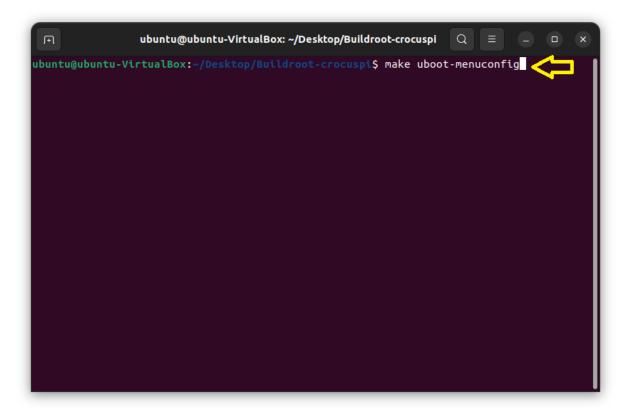


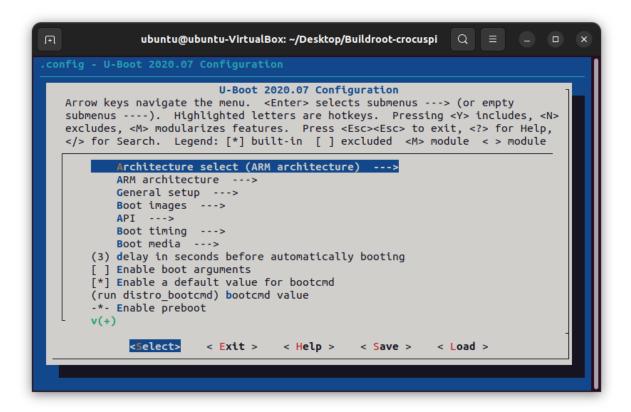
20- "make linux-menuconfig" komutu ile Linux Kernel i özelleştirebilirsiniz.





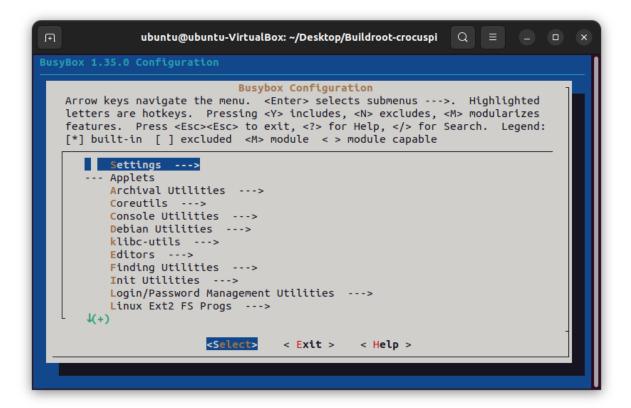
21- "make uboot-menuconfig" komutu ile Uboot 'u özelleştirebilirsiniz.





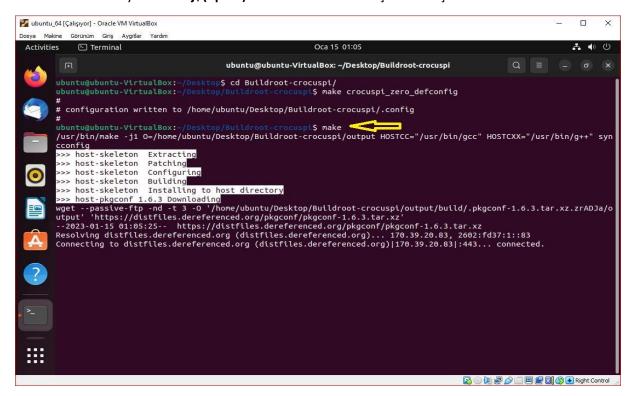


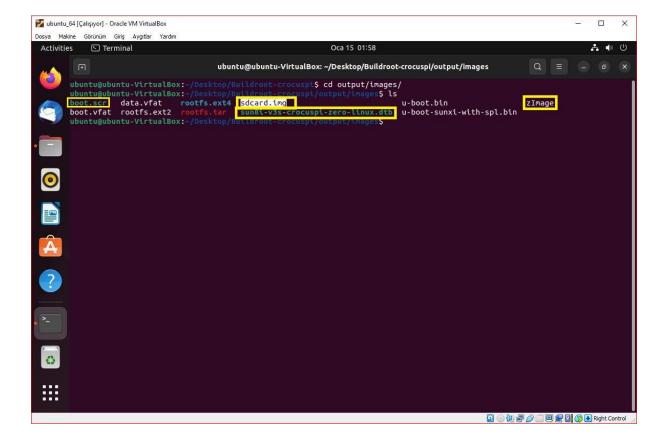
22- "make busybox-menuconfig" komutu ile Busybox 'ı özelleştirebilirsiniz.





23- "make" veya "make -j\$(nproc)" komutu ile derleme işlemini başlatabilirsiniz.







24- Derleme işlemi tamamlandıktan sonra "output/images" klasörünün içinde gerekli dosyalar oluşacaktır. İmaj dosyasını mikroSD kartınıza yükleyip, CrocusPI Zero' yu çalıştırabilirsiniz.

