

# Unit II

- **Assemble PC**

Installation of OS on PC

Installation of Ubuntu

# Disk Partition

```
c:\ Administrator: Command Prompt - diskpart
Microsoft Windows [Version 10.0.18363.418]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>diskpart

Microsoft DiskPart version 10.0.18362.1

Copyright (C) Microsoft Corporation.
On computer: DESKTOP-UT8SFPN

DISKPART> list disk

Disk ### Status Size Free Dyn Gpt
----- -----
Disk 0 Online 50 GB 1024 KB *
DISKPART>
```

- \* Mark – partition type GPT
- No \* Mark - partition type MBR

# Disk Partition

```
Microsoft DiskPart version 10.0.18362.1
```

```
Copyright (C) Microsoft Corporation.
```

```
On computer: DESKTOP-CNOEM90
```

```
DISKPART> list disk
```

Disk #	Status	Size	Free	Dyn	Gpt
---	-----	-----	-----	-	-
Disk 0	Online	60 GB	0 B		

```
DISKPART> ■
```

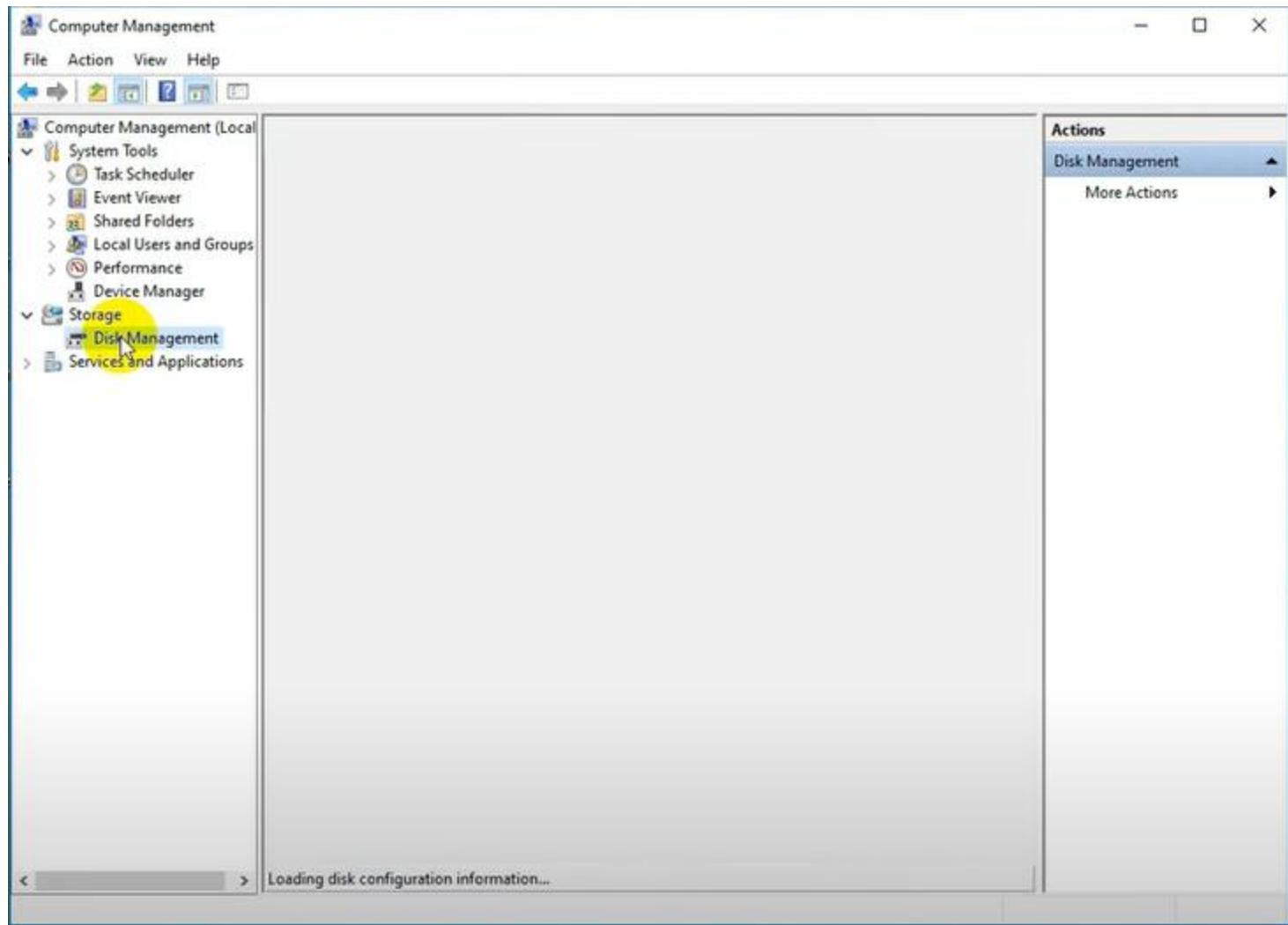
- \* Mark – partition type GPT
- No \* Mark - partition type MBR

# Disk Partition



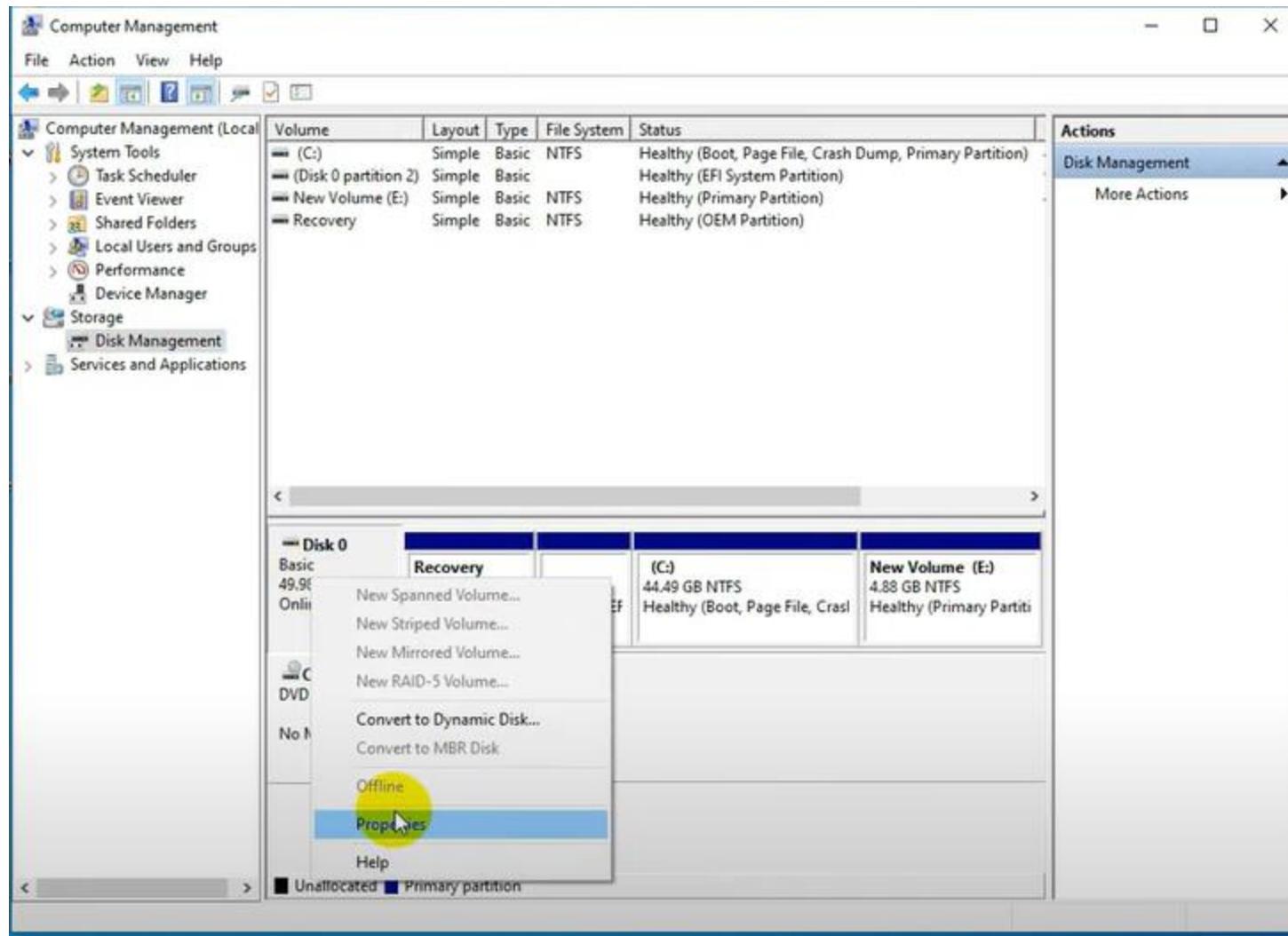
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# Disk Partition



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# Disk Partition



- \* Mark – partition type GPT
- No \* Mark - partition type MBR

# Disk Partition

VMware, VMware Virtual S SCSI Disk Device Properties X

General Policies Volumes **Driver** Details Events

Disk Information

Disk:	Disk 0
Type:	Basic
Status:	Online
Partition style:	GUID Partition Table (GPT)
Capacity:	51184 MB
Unallocated space:	3 MB
Reserved space:	99 MB

Volumes

Volume	Capacity
(C:)	45554 MB
New Volume (E:)	4999 MB
Recovery	529 MB

  Properties

# Disk Partition

## VMware, VMware Virtual S SCSI Disk Device Properties

X

General Policies Volumes Driver Details Events

### Disk Information

Disk:	Disk 0
Type:	Basic
Status:	Online
Partition style:	Master Boot Record (MBR)
Capacity:	61439 MB
Unallocated space:	1 MB
Reserved space:	0 MB

# Download Ubuntu

The image shows a screenshot of the Canonical Ubuntu website. At the top, there's a navigation bar with the Canonical logo, a search bar, and dropdown menus for 'Products', 'Enterprise', 'Developer', 'Community', and 'Download'. Below the navigation, a large banner features a dark background with a blue circular icon containing a white cursor arrow. The text on the banner reads: '200 billion requests per day, 6 data centres... 5 people'. To the right of the banner is the Ubuntu logo with the text 'Masters Conference'. Below the banner, there's a green button labeled 'Watch the keynote' and a link to 'Read more about our Ubuntu Masters event'.

CANONICAL

Products

ubuntu® Enterprise ▾ Developer ▾ Community ▾ Download ▾

Search

200 billion requests per day, 6 data centres... 5 people

Ubuntu Masters Conference

Watch the keynote

Read more about our Ubuntu Masters event

# Download Ubuntu

The screenshot shows the homepage of Pendrivelinux.com. At the top, there's a banner featuring a penguin holding a USB drive, with the text "Pendrivelinux.com" and "Easily run Linux® from a Portable USB Device". Below the banner is a navigation bar with links for HOME, DISCLAIMER, PRIVACY POLICY, and CONTACT, along with a search bar and an RSS feed icon.

A prominent red banner in the center-left says "The First Model is Free" and "So are all the rest." Below it is a "Search Now" button. To the right of the search bar are icons for a USB drive, a microchip, and a smartphone, followed by a link to "Ultra Librarian".

On the left side, there's a sidebar with "Portable Linux Categories" including links for Flash drive installs using Live CD, Windows, USB Virtual Machine Emulation, and Using and Configuring Linux. Another sidebar titled "USB Linux Help" lists links for USB Boot compatibility test, USB Help and Tools, Boot Cheatcodes, BIOS USB Boot Options, Restoring your USB Key, and Mount a NTFS Partition in Linux. A small image of a computer monitor with a penguin logo is shown, with the text "Anticipate the future skills your business needs." and a "Download now" button.

The main content area features a heading "Boot and Run Linux from a USB flash memory stick" and a sub-heading "Take your Favorite Portable Linux Desktop with you! Install, Boot, and Run Linux from USB. Your Portable Linux OS toolkit." It highlights "Most Popular Tool YUMI – Your Universal Multiboot Installer" and "2nd most Popular UUI – Universal USB Installer". A yellow callout box points to the "UUI - Universal Bootable USB Creator - Installer" link. To the right of this text is a screenshot of a computer screen showing the UUI software interface. The text continues to describe how YUMI allows users to create a bootable USB key or flash drive containing a Linux operating system, which can then be taken with them and run from any computer that boots from a USB flash device. It also mentions that YUMI can be used to create a custom pocket diagnostic toolkit.

# Download Ubuntu

CANONICAL

ubuntu® Enterprise ▾ Developer ▾ Community ▾ Download ▾ Products ▾

Search 

[Ubuntu Desktop](#) >

Download Ubuntu desktop and replace your current operating system whether it's Windows or Mac OS, or, run Ubuntu alongside it.

[18.04 LTS](#)  [19.10](#)

[Ubuntu Server](#) >

The most popular server Linux in the cloud and data centre, you can rely on Ubuntu Server and its five years of guaranteed free upgrades.

[18.04 LTS](#) [19.10](#)

[Use the traditional installer](#)

[ARM](#)

[IBM Power](#)

[s390x](#)

[Ubuntu for IoT](#) >

Are you a developer who wants to try snappy Ubuntu Core or classic Ubuntu on an IoT board?

[Raspberry Pi 2, 3 or 4](#)

[Raspberry Pi Compute Module 3](#)

[Intel NUC](#)

[KVM](#)

[Intel Joule](#)

[Qualcomm Dragonboard 410c](#)

[Samsung Artik 5 or 10](#)

[UP² IoT Grove](#)

[Intel IEI TANK 870](#)

[Ubuntu Cloud](#) >

Use Ubuntu optimised and certified server images on most major clouds.

[Get started on Amazon AWS, Microsoft Azure, Google Cloud Platform and more...](#)

[Download cloud images for local development and testing](#)

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[TUTORIALS](#)

If you are already running Ubuntu - you can upgrade with the Software Updater

Burn a DVD on Ubuntu, macOS, or Windows. Create a bootable USB stick on Ubuntu, macOS, or Windows

[READ THE DOCS](#)

Read the official docs for Ubuntu Desktop, Ubuntu Server, and Ubuntu Core

[OTHER WAYS TO DOWNLOAD](#)

Ubuntu is available via BitTorrents and via a minimal network installer that allows you to customise what is installed, such as additional languages. You can also find older releases.

[UBUNTU FLAVOURS](#)

Kubuntu

Lubuntu

Ubuntu Budgie

Ubuntu MATE

Ubuntu Studio

Xubuntu

# Download Ubuntu

**Universal-USB-Installer-1.9.9.0.exe - December 4, 2019 - Changes**

Update to support Clear Linux and Pop OS.

**IMPORTANT:** The Windows to Go option requires the USB be formatted NTFS with 20GB free disk space to hold the virtual disk. See FAQ for more info.



**Download UUI**

Universal-USB-Installer-1.9.9.0.exe



[Source Code](#)

MD5: 308B43ACBF84A524ACDCDFB2319CA627

# Download Ubuntu

**Universal-USB-Installer-1.9.9.0.exe - December 4, 2019 - Changes**

Update to support Clear Linux and Pop OS.

**IMPORTANT:** The Windows to Go option requires the USB be formatted NTFS with 20GB free disk space to hold the virtual disk. See FAQ for more info.



**Download UUI**

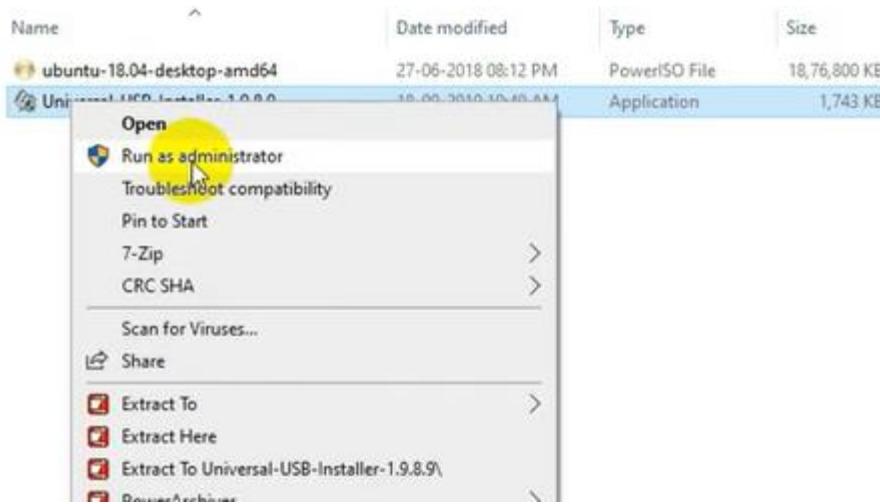
Universal-USB-Installer-1.9.9.0.exe



[Source Code](#)

MD5: 308B43ACBF84A524ACDCDFB2319CA627

# Download Ubuntu



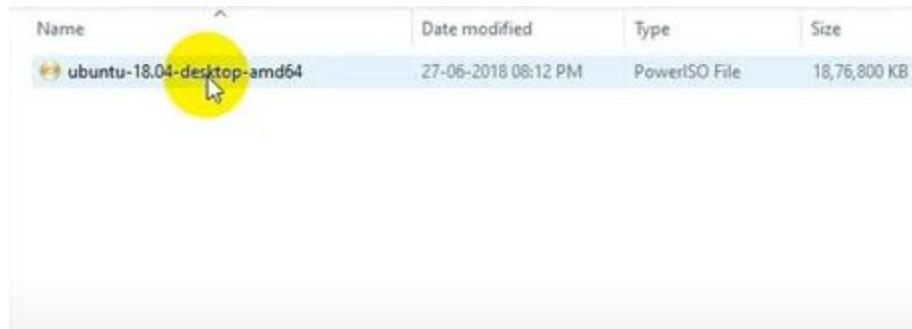
# Download Ubuntu



# Download Ubuntu



# Download Ubuntu



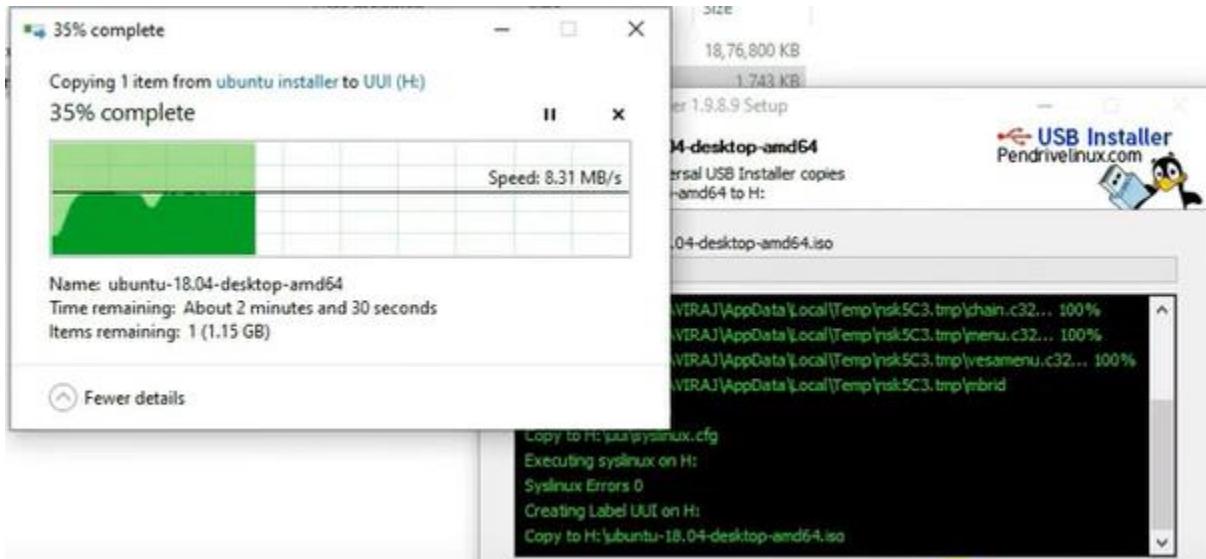
# Download Ubuntu



# Download Ubuntu



# Download Ubuntu

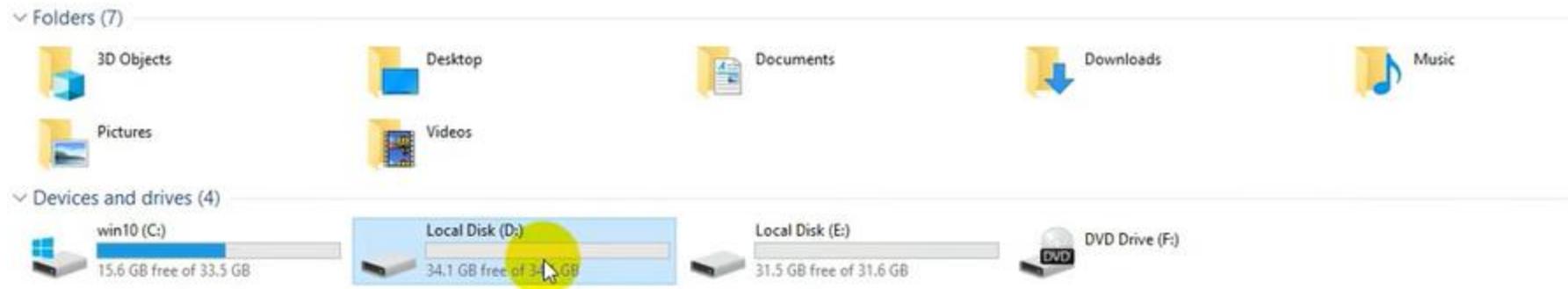


# Download Ubuntu



# Ubuntu Installation

- Select Drive for installation
- Drive should be empty



# Ubuntu Installation

Please select boot device

PO: SII0000DM003-ISB10C

UEFI: SanDisk

SanDisk

Enter Setup

↑ and ↓ to move selection ENTER to select  
boot device ESCto boot using defaults

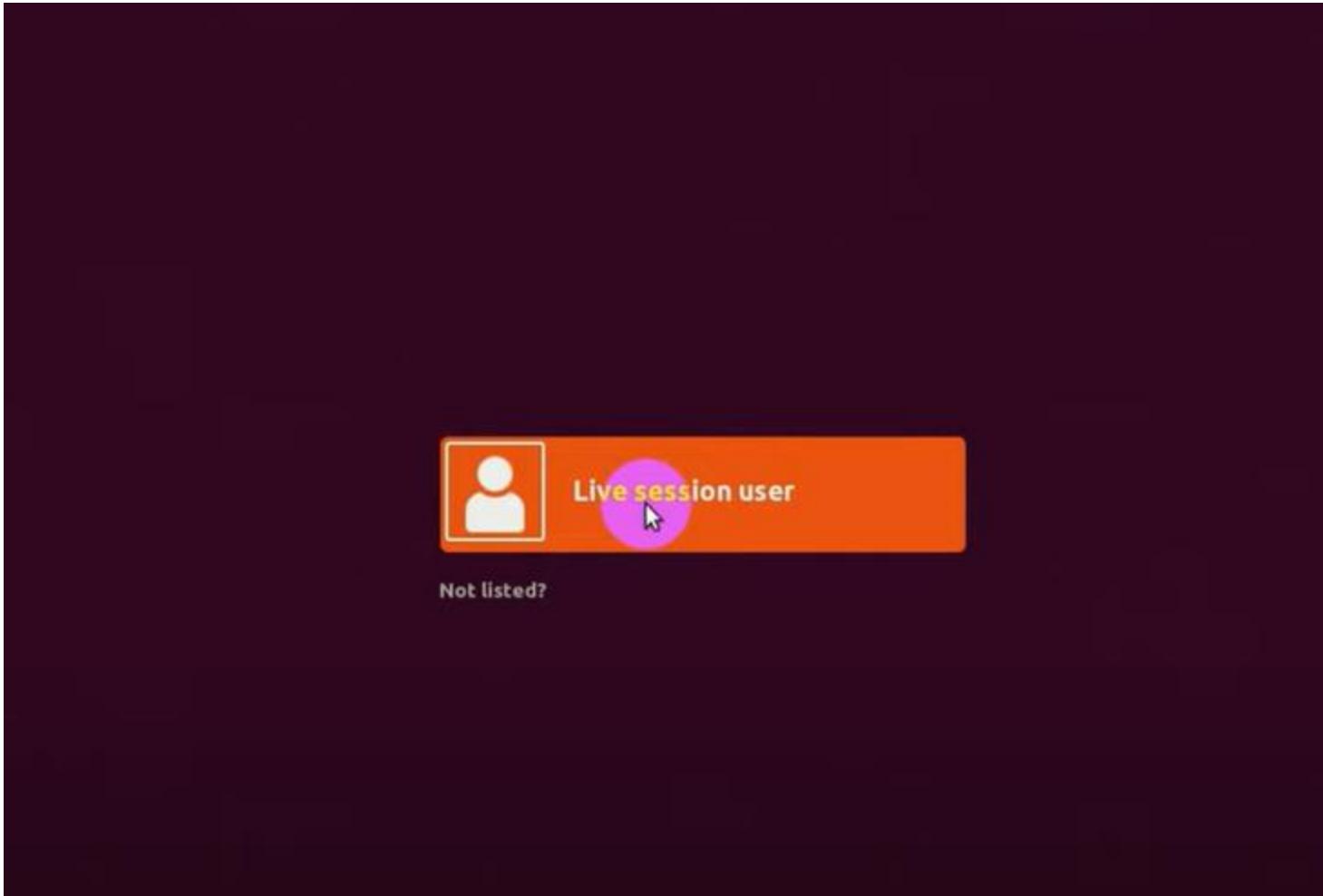
- UEFI SanDisk – partition type GPT
- SanDisk - partition type MBR

# Ubuntu Installation

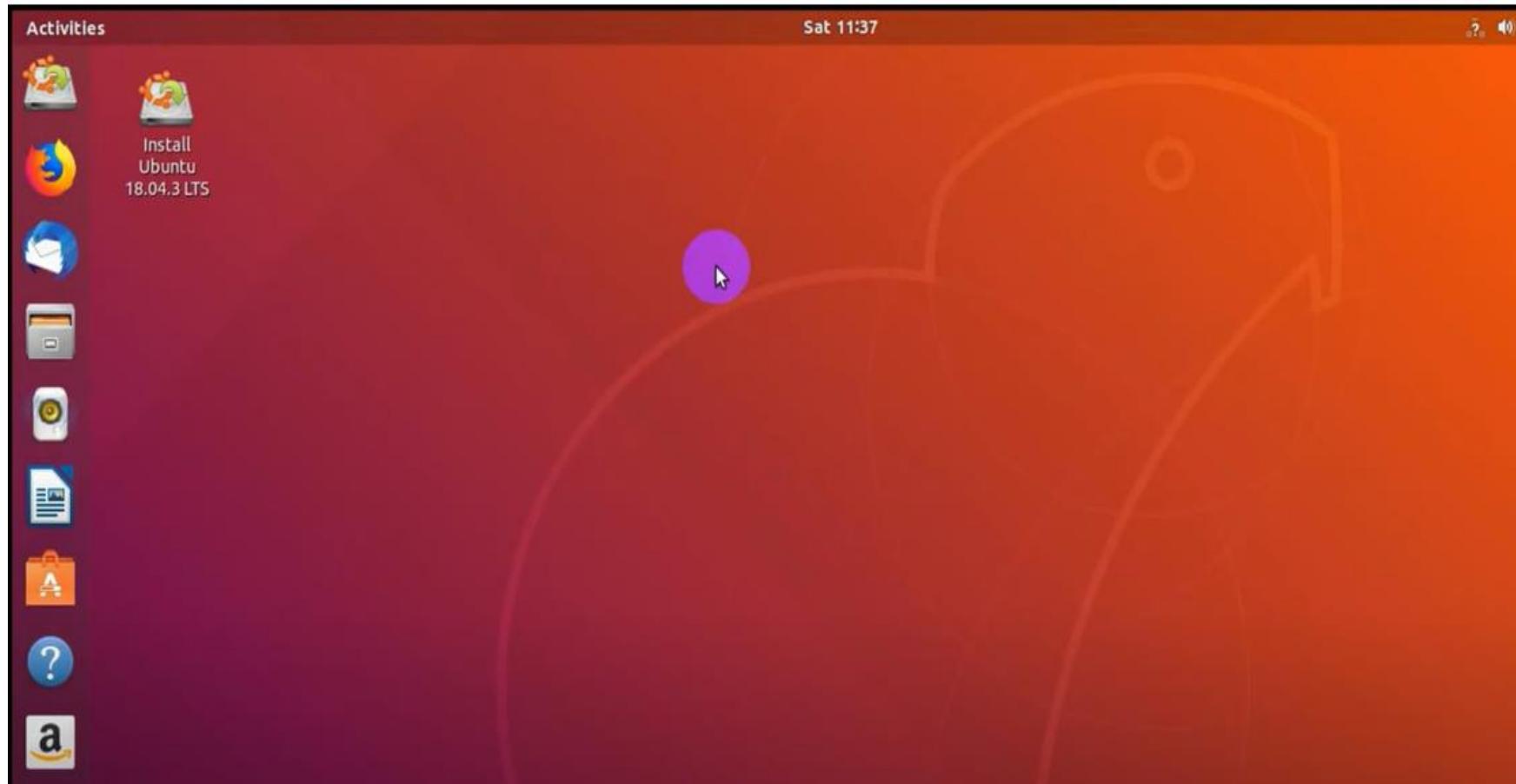
GNU GRUB version 2.02

```
*Try Ubuntu without installing
Install Ubuntu
OEM install (for manufacturers)
Check disc for defects
```

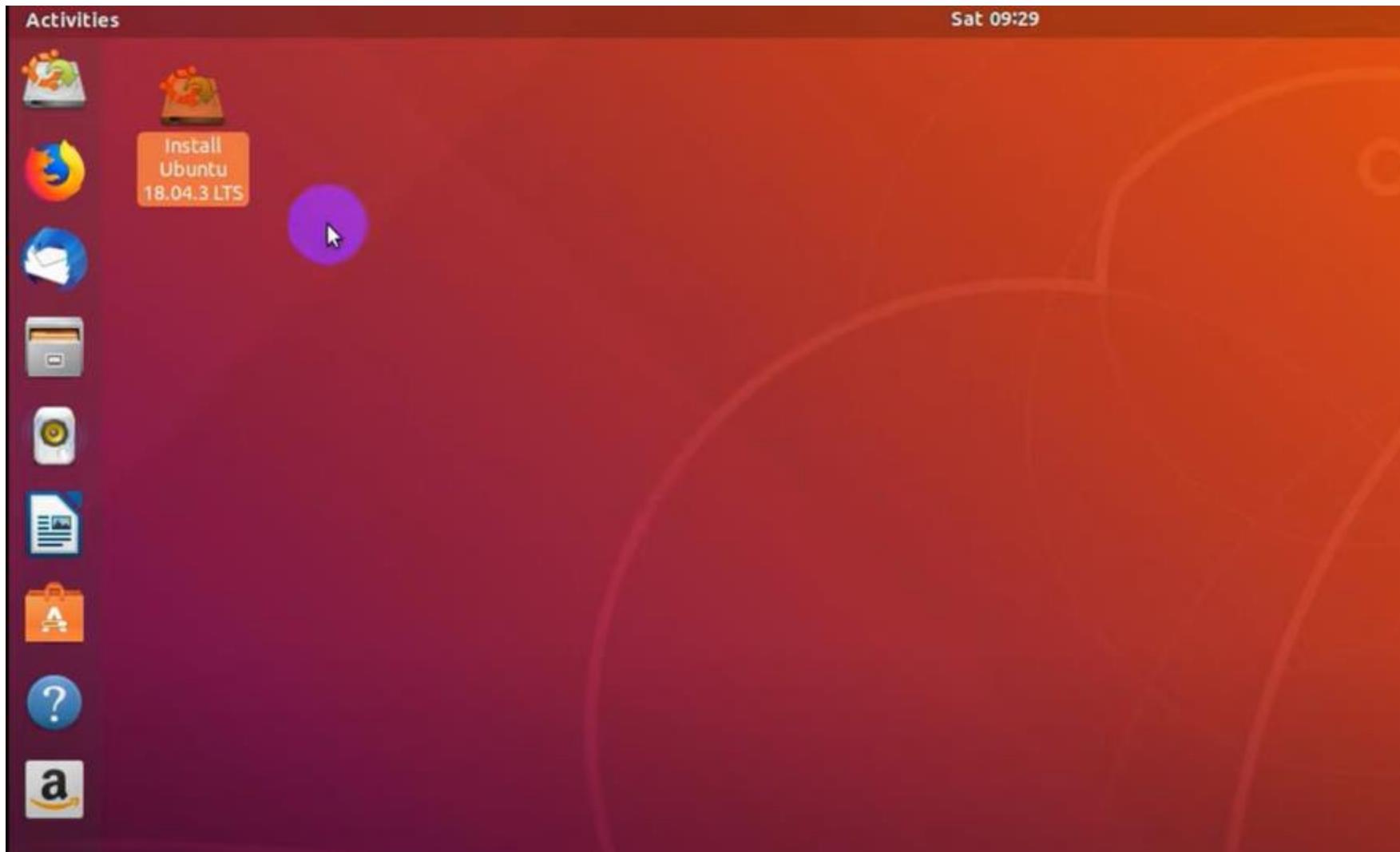
# Ubuntu Installation



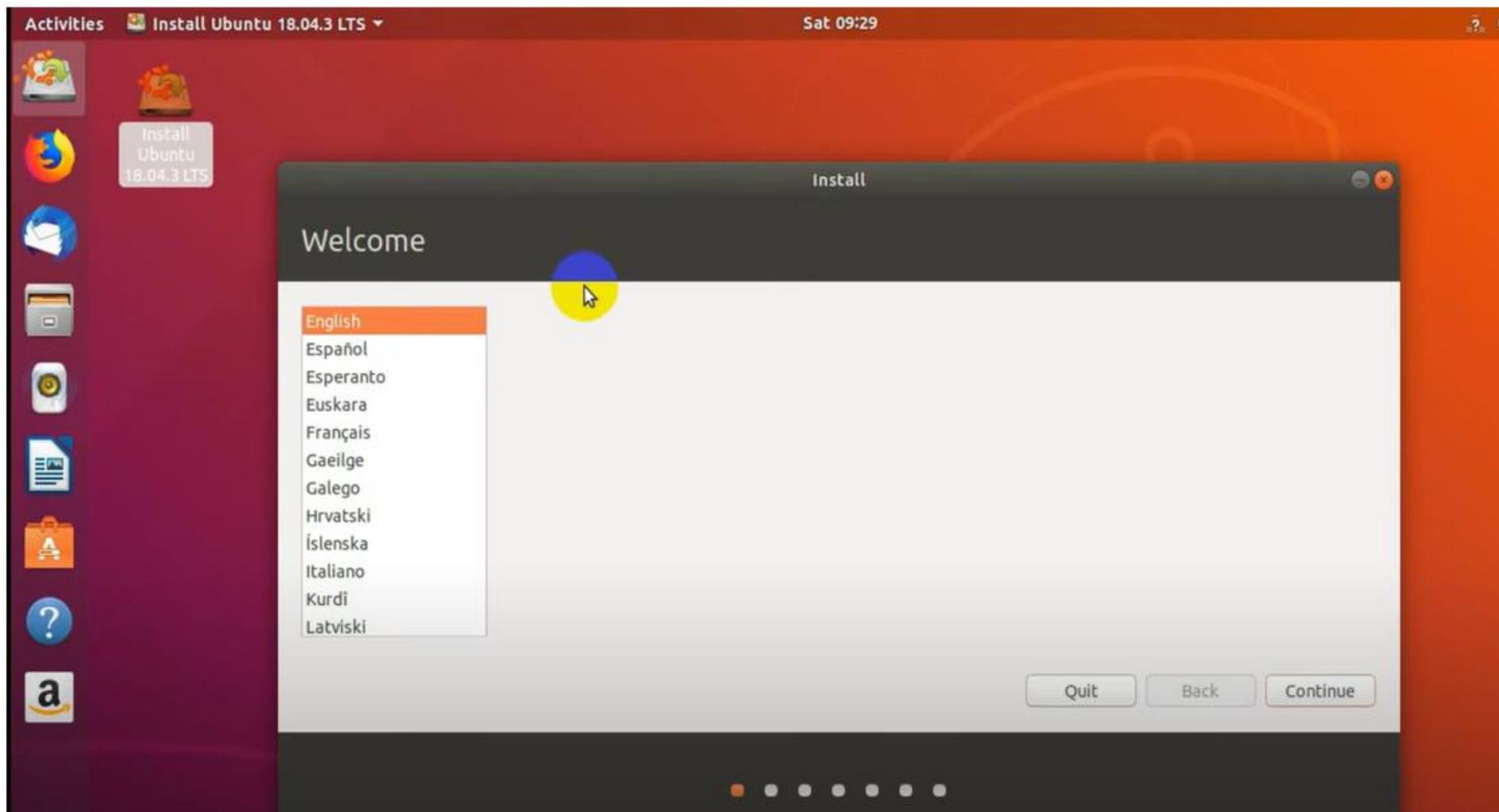
# Ubuntu Installation



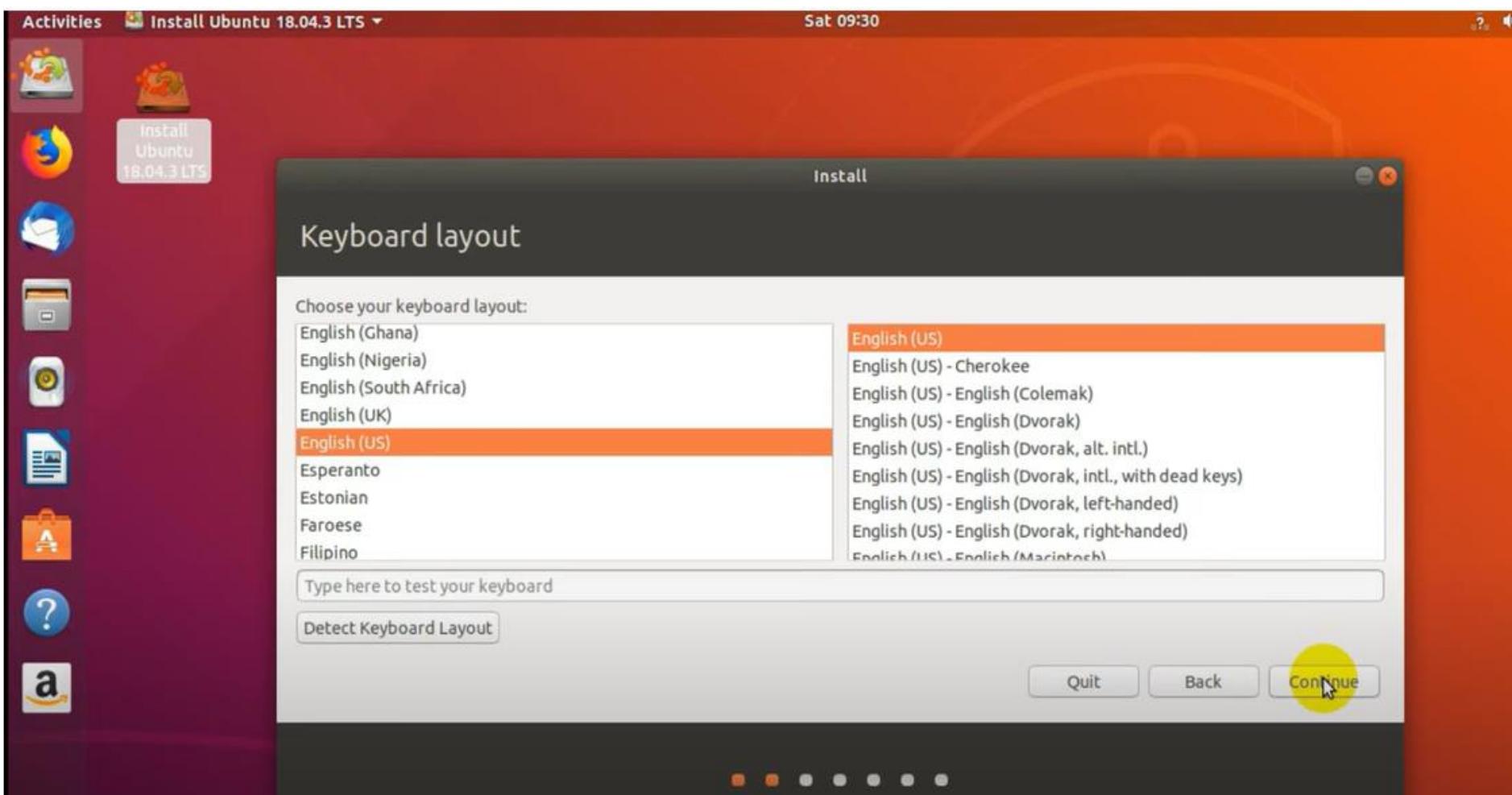
# Ubuntu Installation



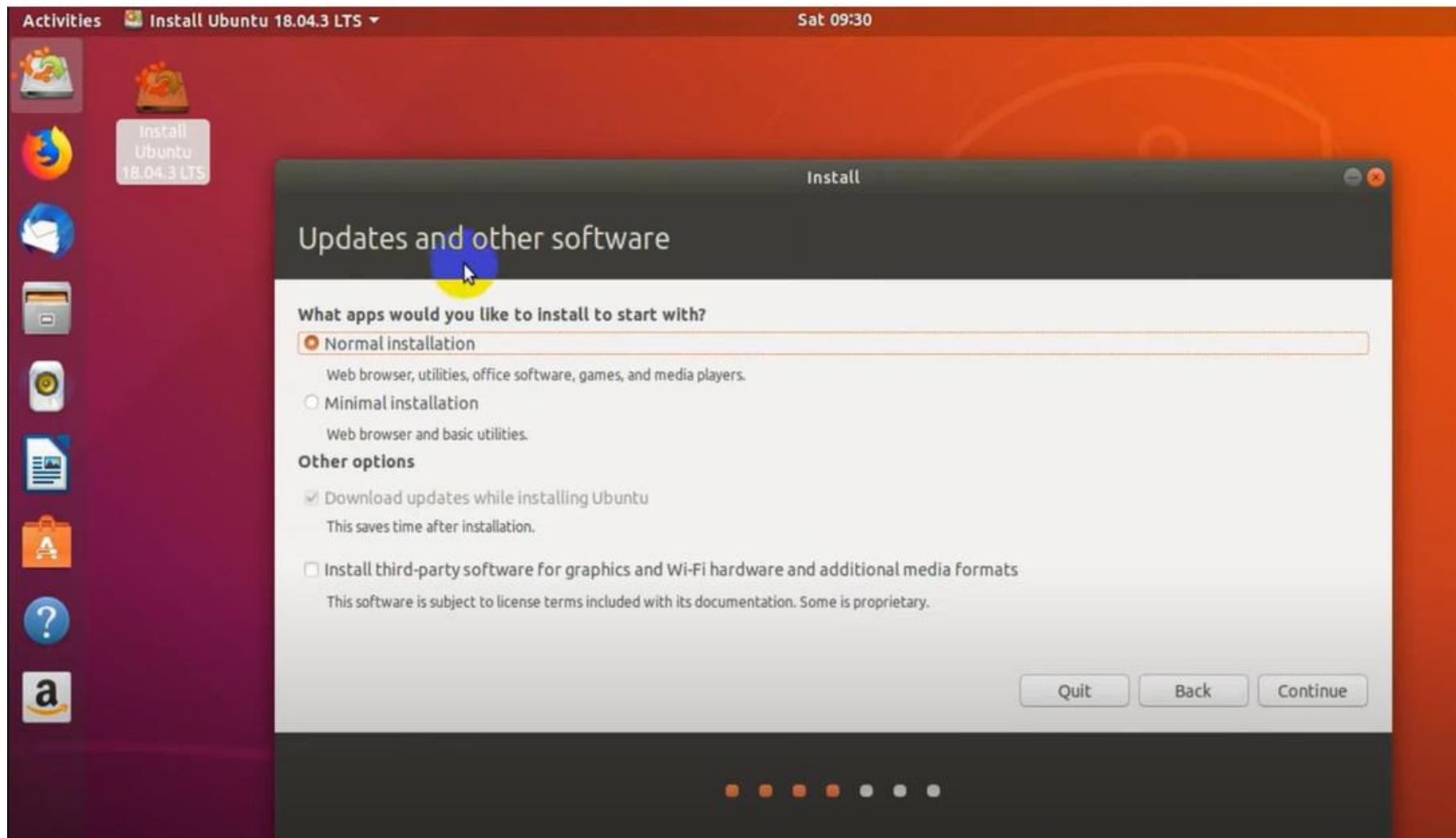
# Ubuntu Installation



# Ubuntu Installation



# Ubuntu Installation



# Ubuntu Installation

Install

Updates and other software

**What apps would you like to install to start with?**

Normal installation  
Web browser, utilities, office software, games, and media players.

Minimal installation  
Web browser and basic utilities.

**Other options**

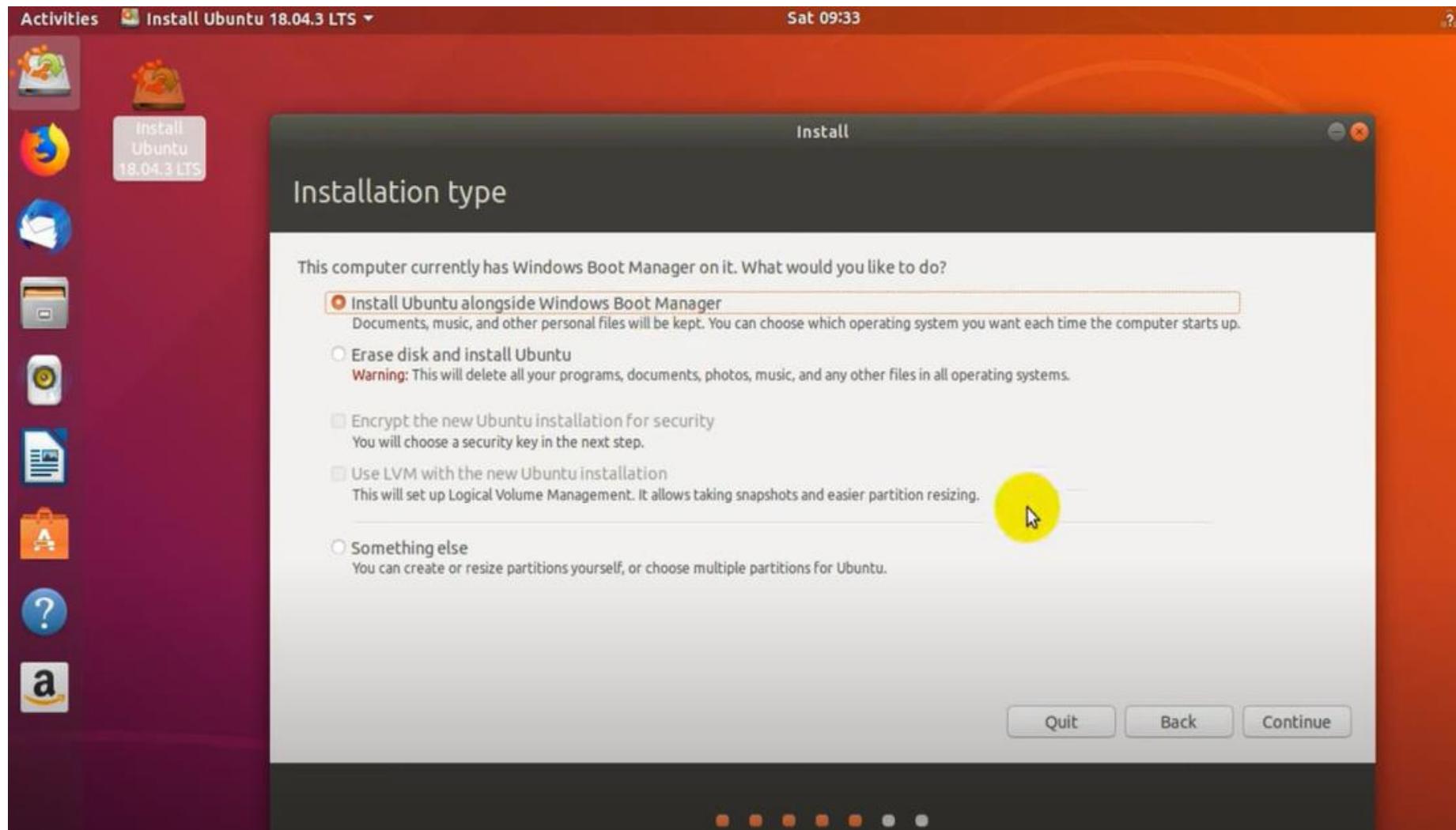
Download updates while installing Ubuntu  
This saves time after installation.

Install third-party software for graphics and Wi-Fi hardware and additional media formats  
This software is subject to license terms included with its documentation. Some is proprietary.

Quit   Back   Continue



# Ubuntu Installation



# Ubuntu Installation

Install

## Installation type

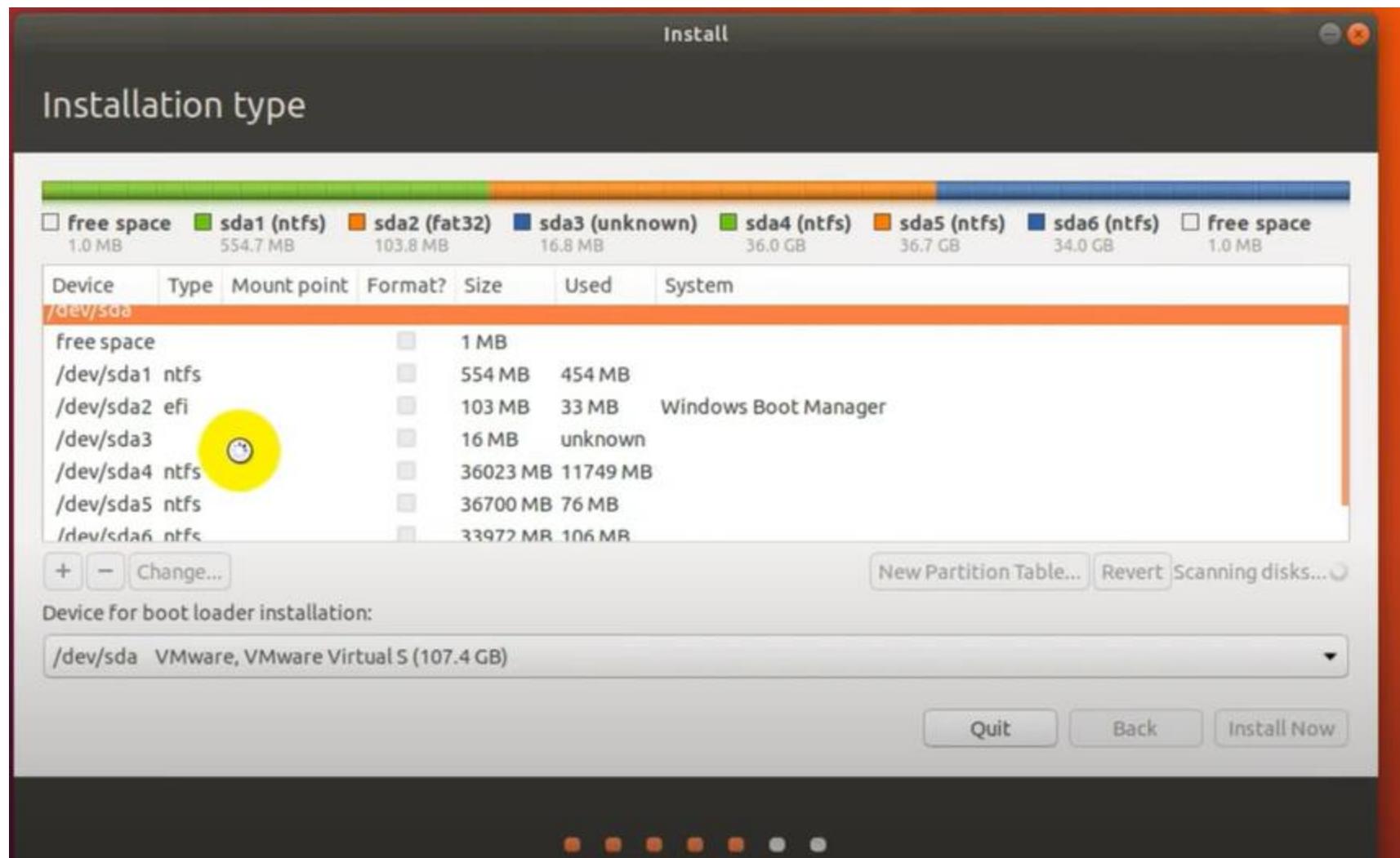
This computer currently has Windows Boot Manager on it. What would you like to do?

- Install Ubuntu alongside Windows Boot Manager  
Documents, music, and other personal files will be kept. You can choose which operating system you want each time the computer starts up.
- Erase disk and install Ubuntu  
Warning: This will delete all your programs, documents, photos, music, and any other files in all operating systems.
- Encrypt the new Ubuntu installation for security  
You will choose a security key in the next step.
- Use LVM with the new Ubuntu installation  
This will set up Logical Volume Management. It allows taking snapshots and easier partition resizing.
- Something else   
You can create or resize partitions yourself, or choose multiple partitions for Ubuntu.

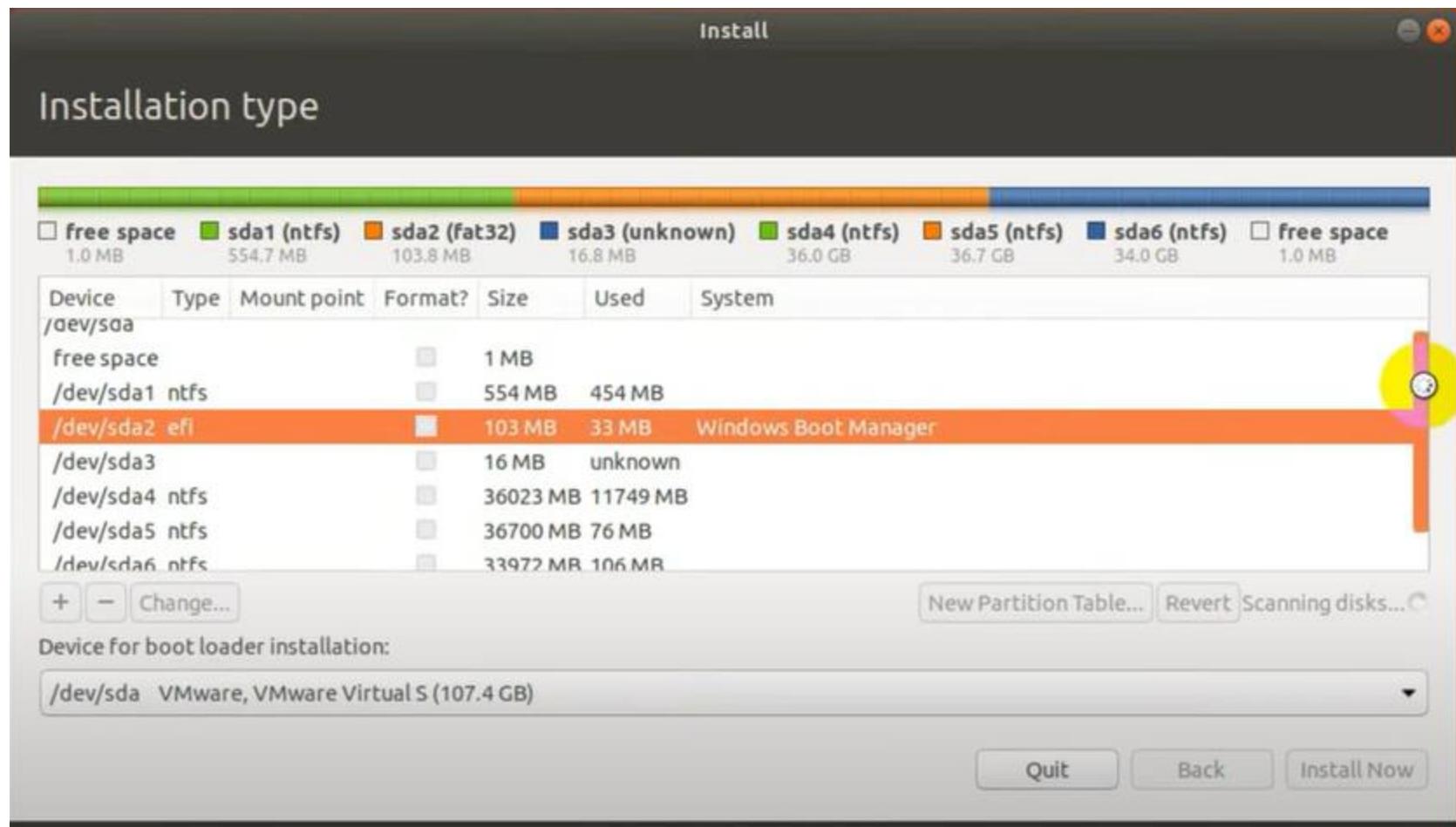
Quit Back Continue

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# Ubuntu Installation

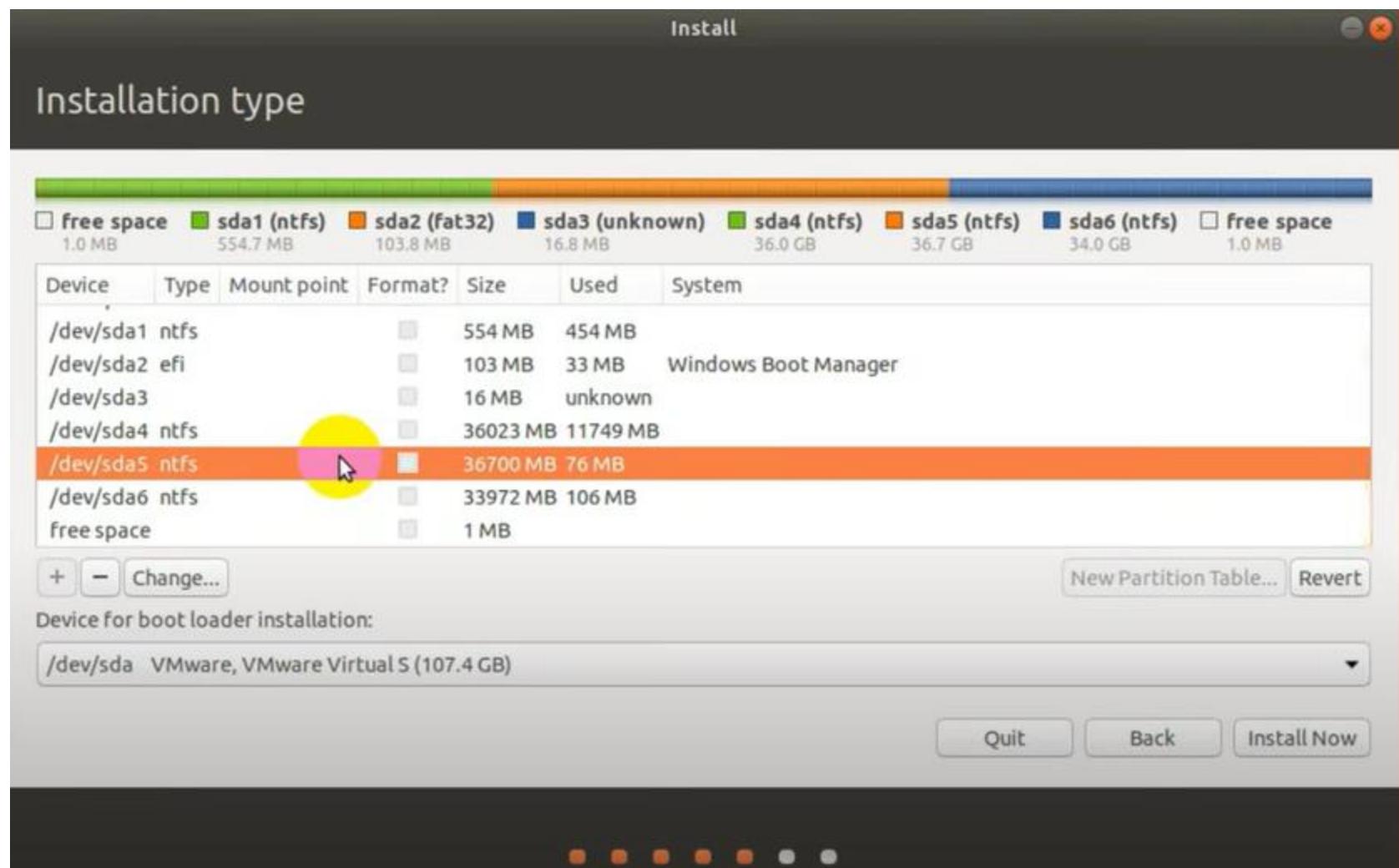


# Ubuntu Installation



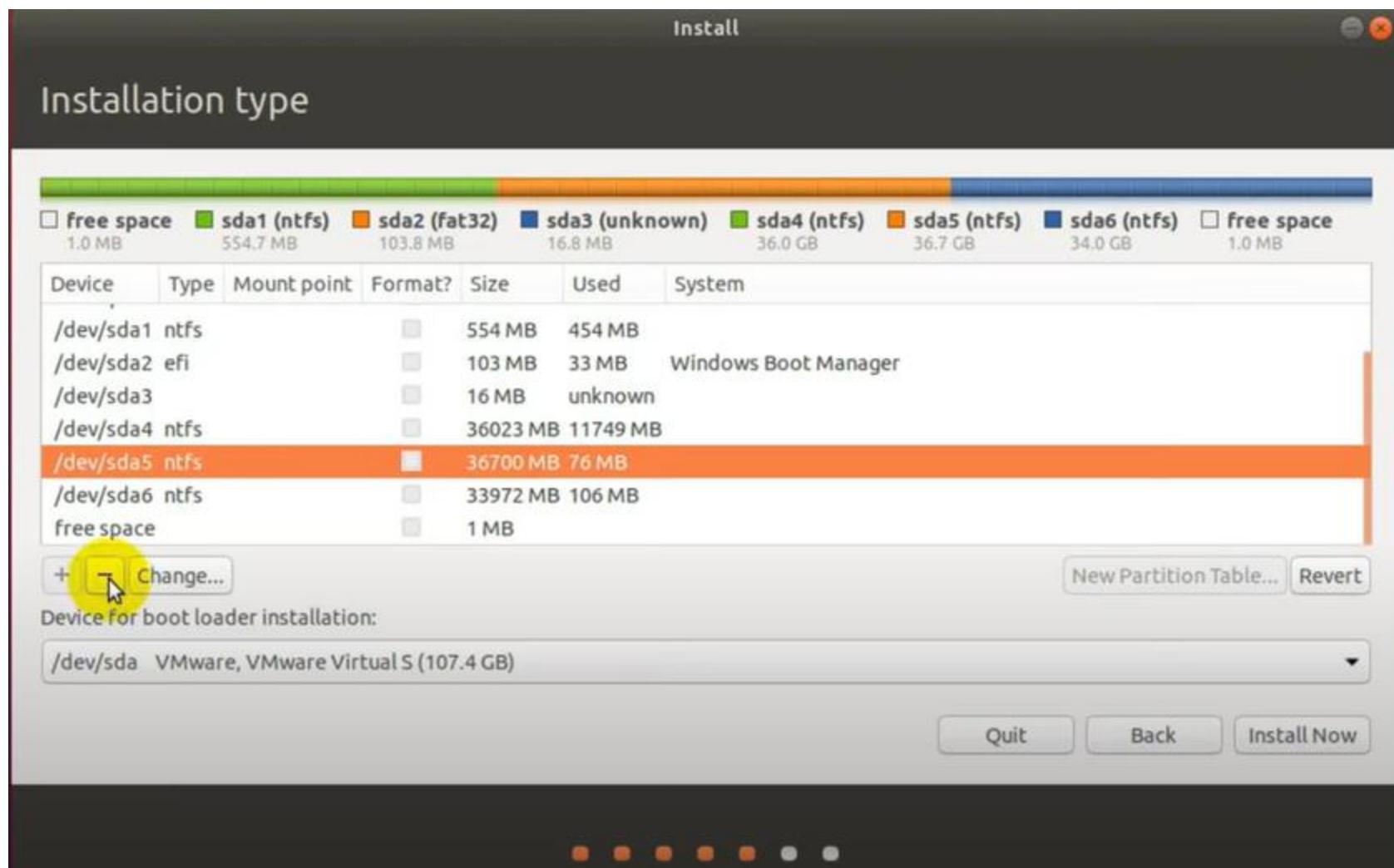
For GPT

# Ubuntu Installation



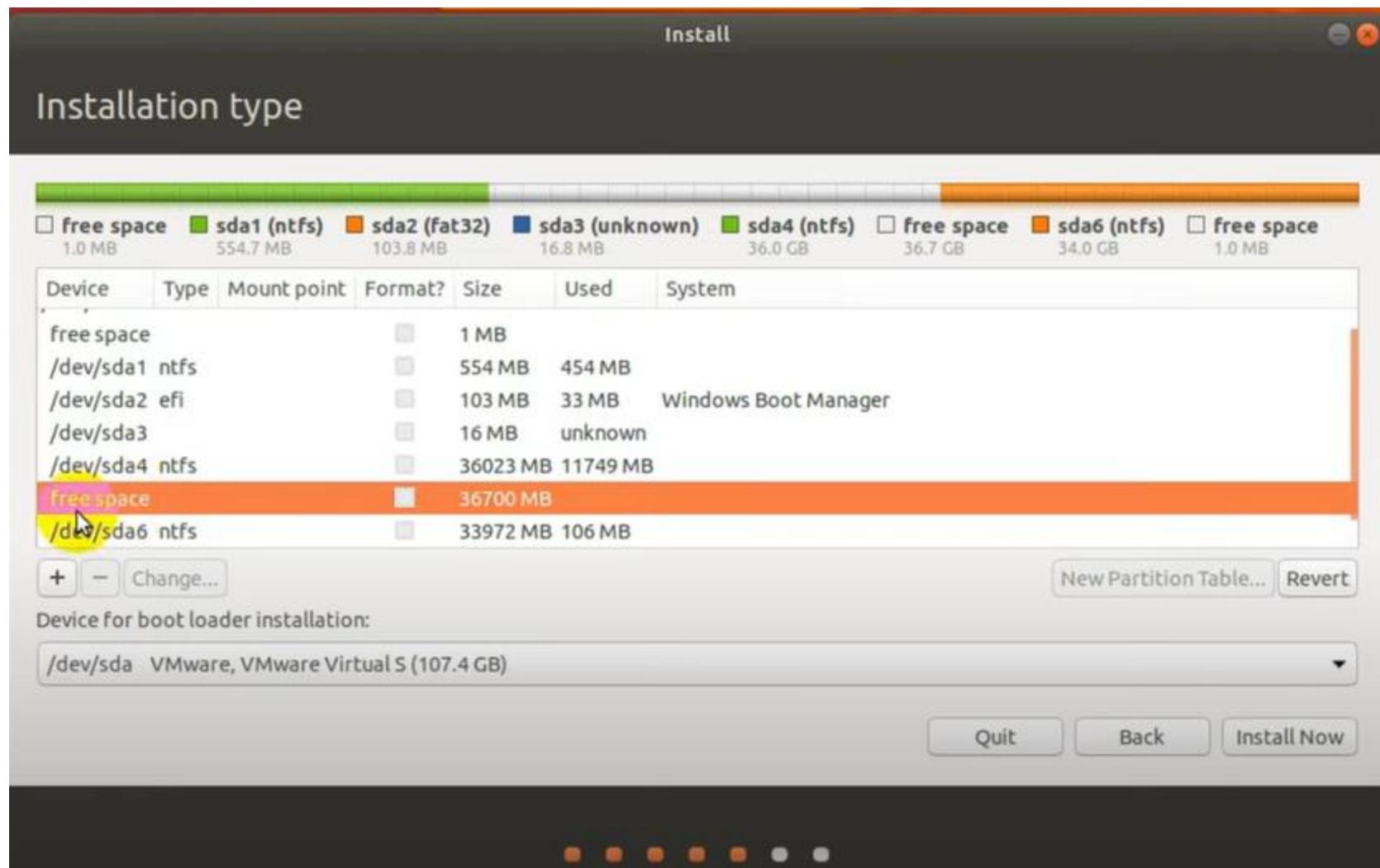
For GPT

# Ubuntu Installation



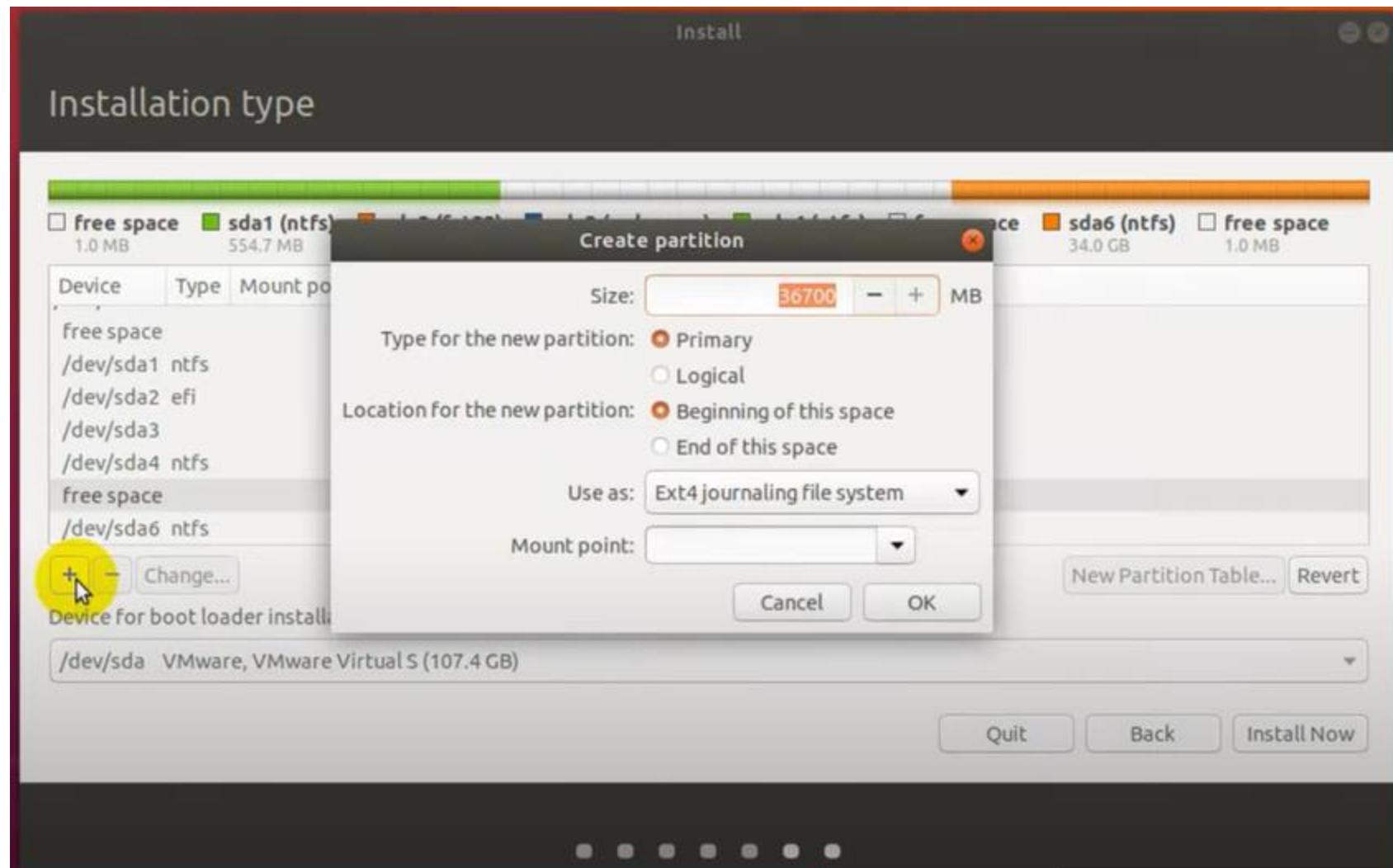
For GPT

# Ubuntu Installation



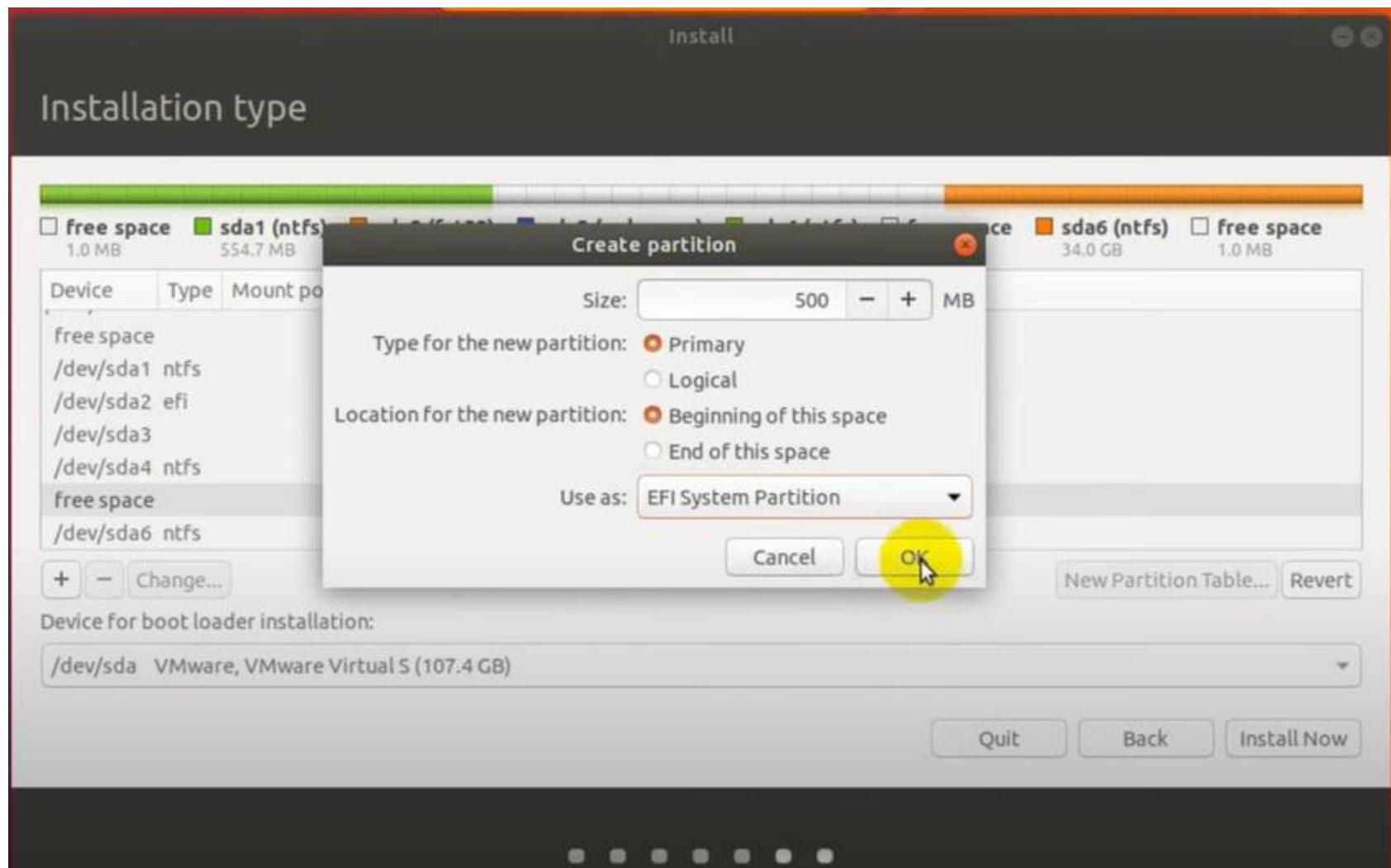
For GPT

# Ubuntu Installation



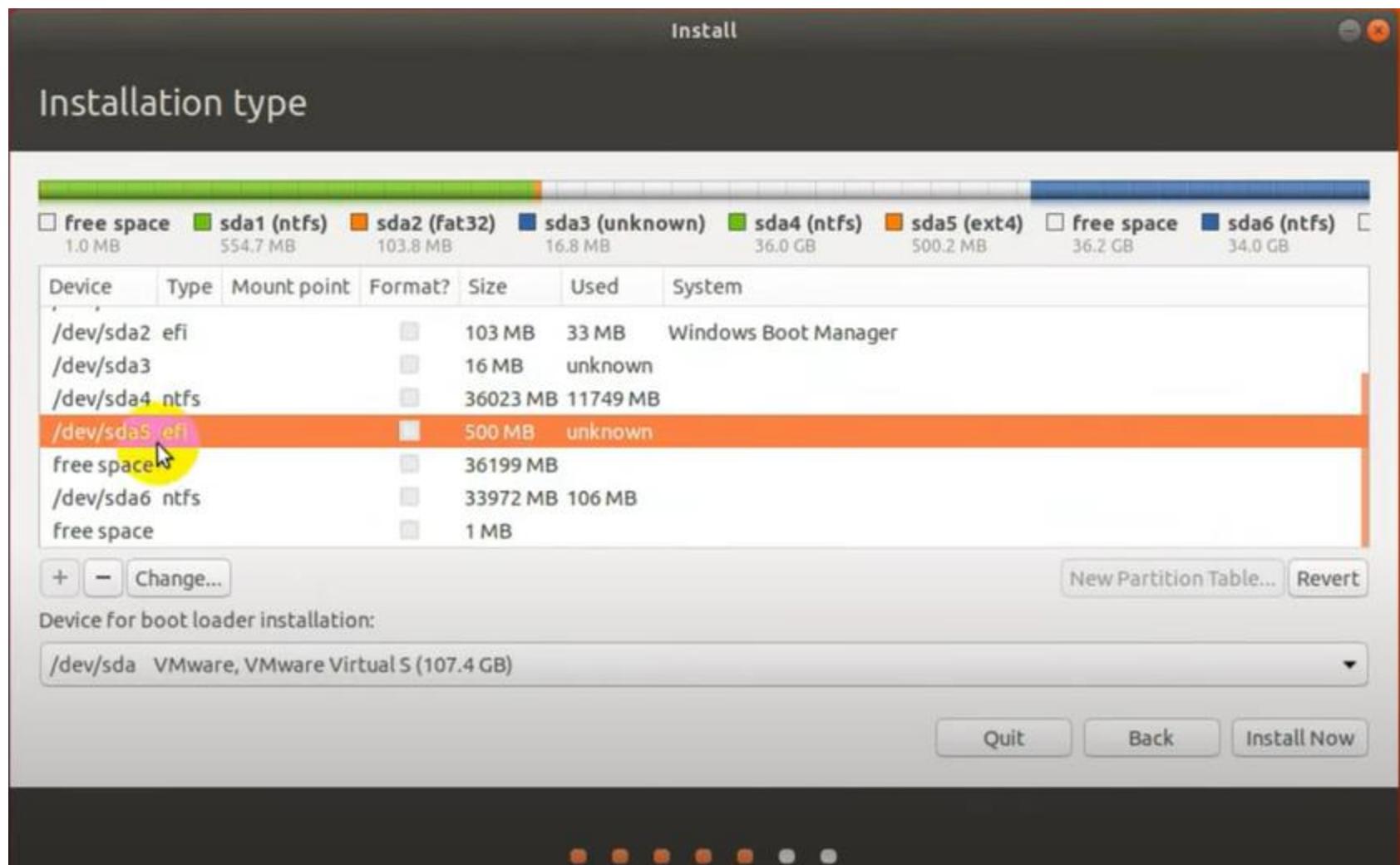
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# Ubuntu Installation



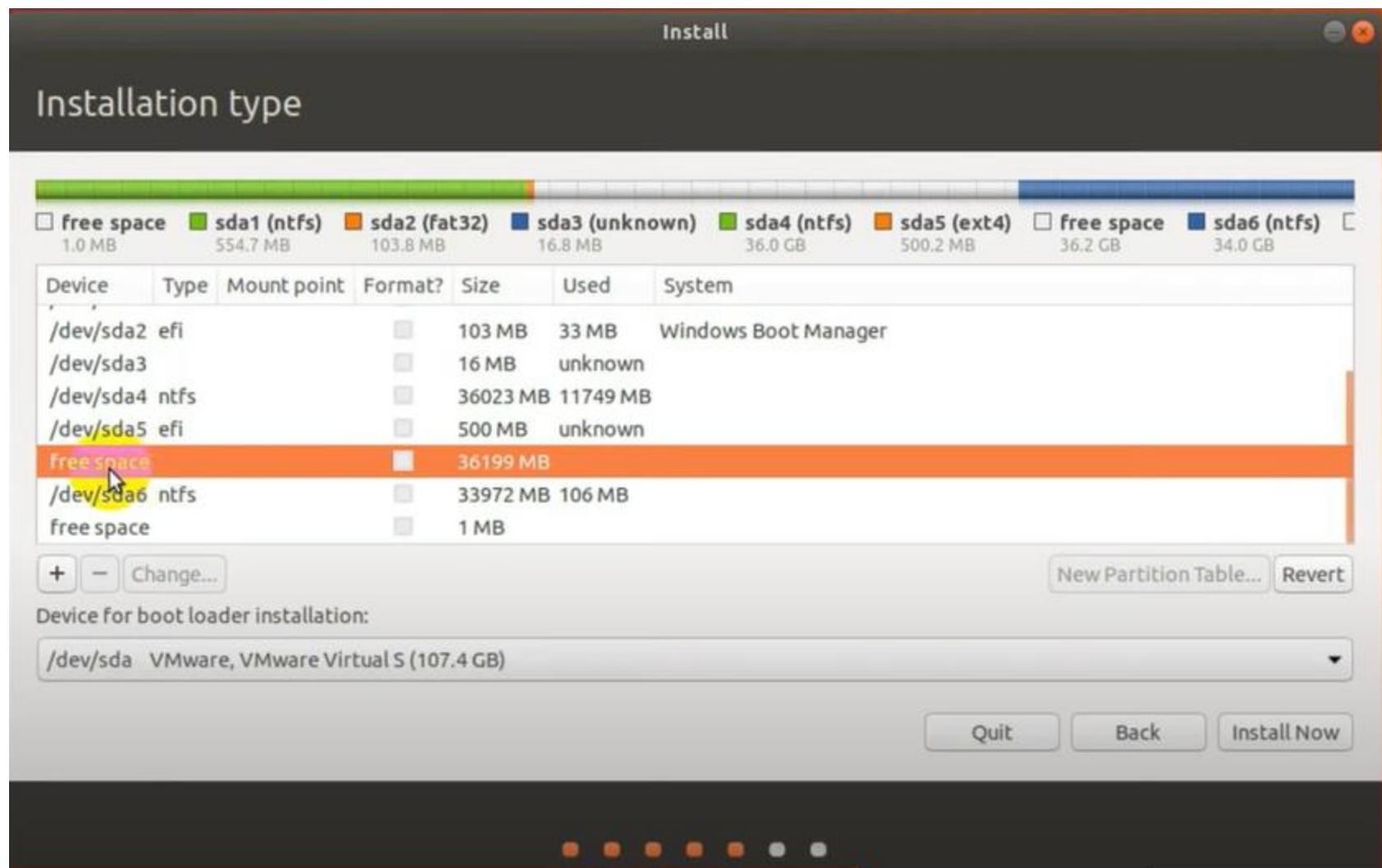
For GPT

# Ubuntu Installation



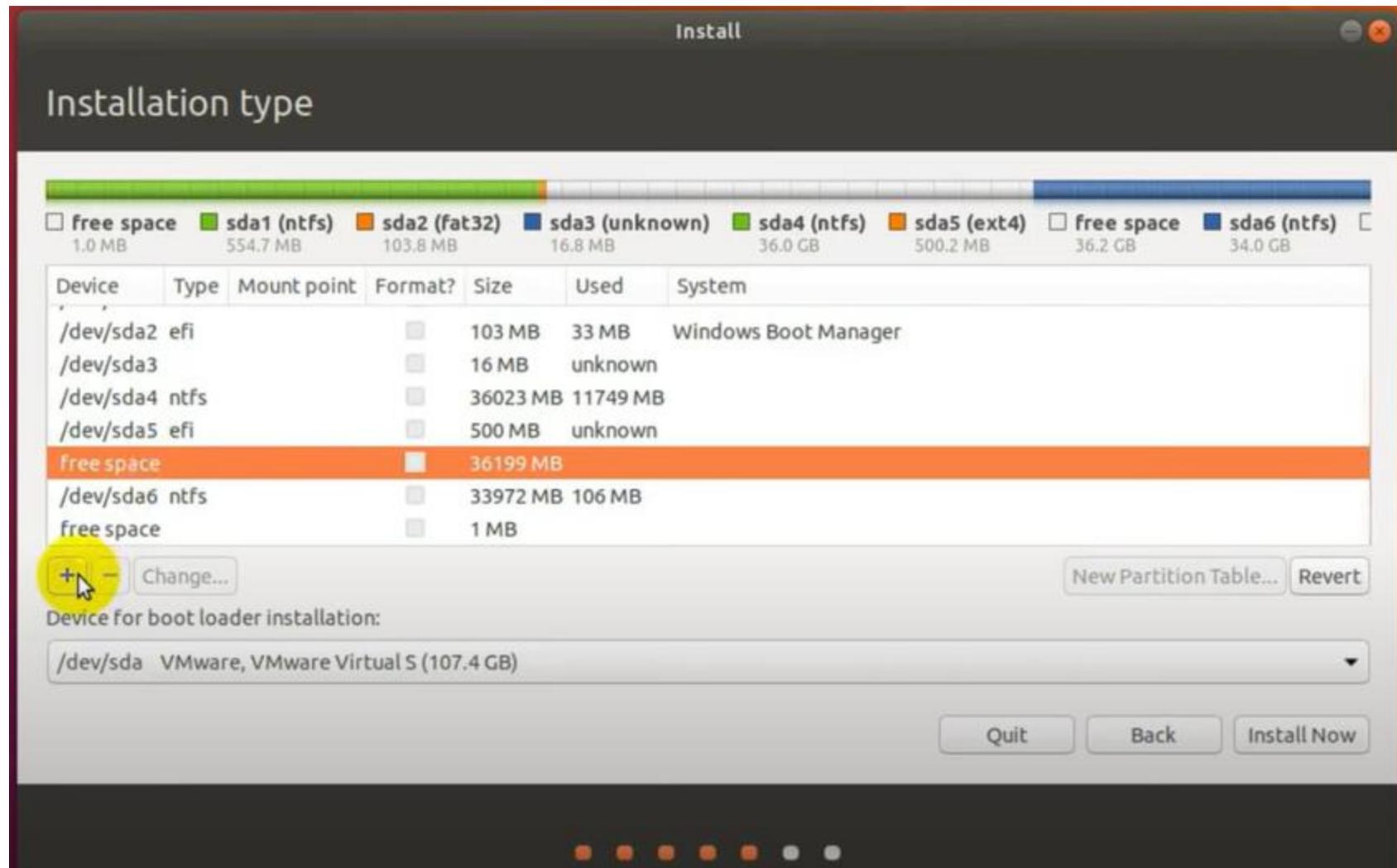
For GPT

# Ubuntu Installation



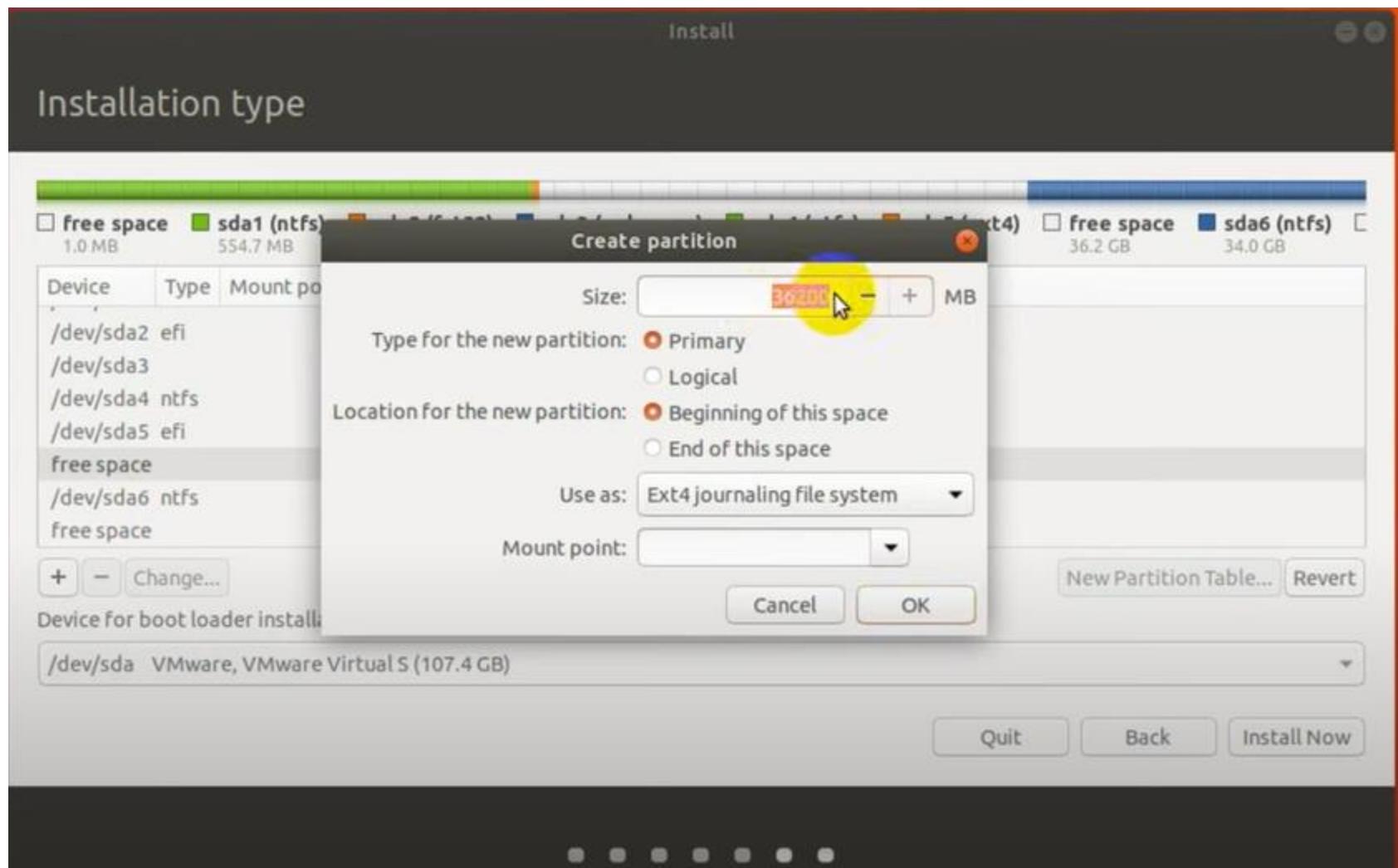
For GPT

# Ubuntu Installation



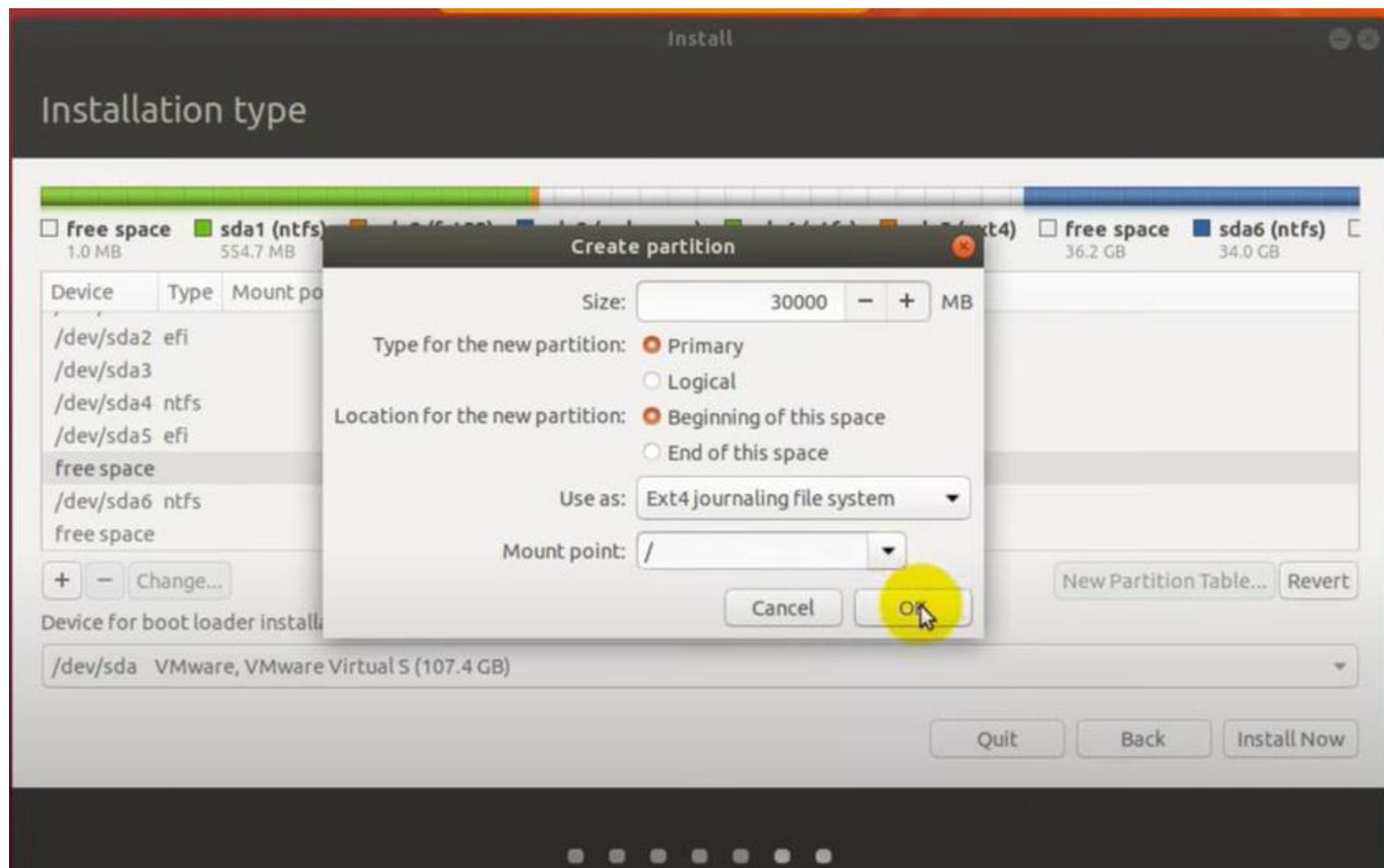
For GPT

# Ubuntu Installation



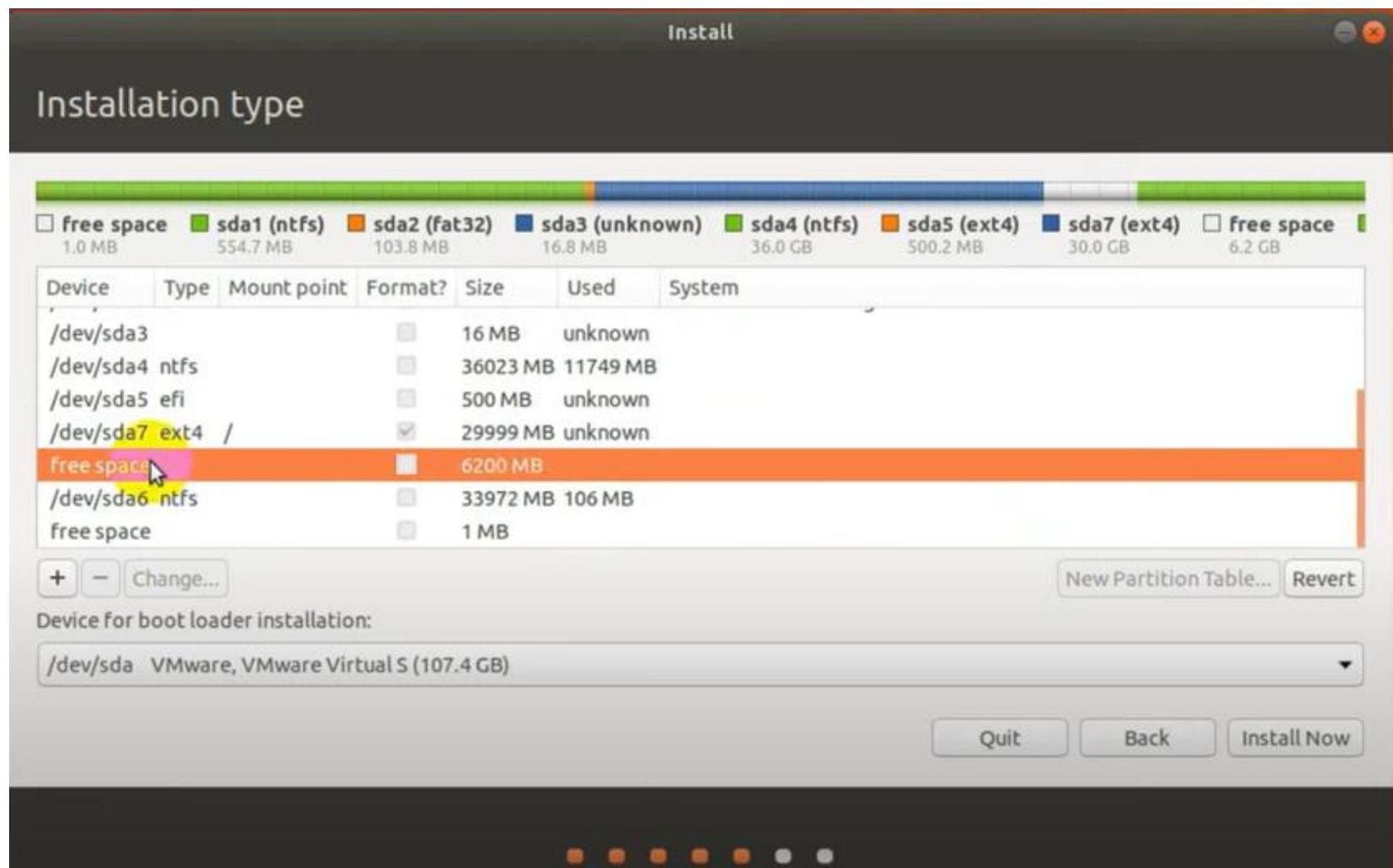
For GPT

# Ubuntu Installation



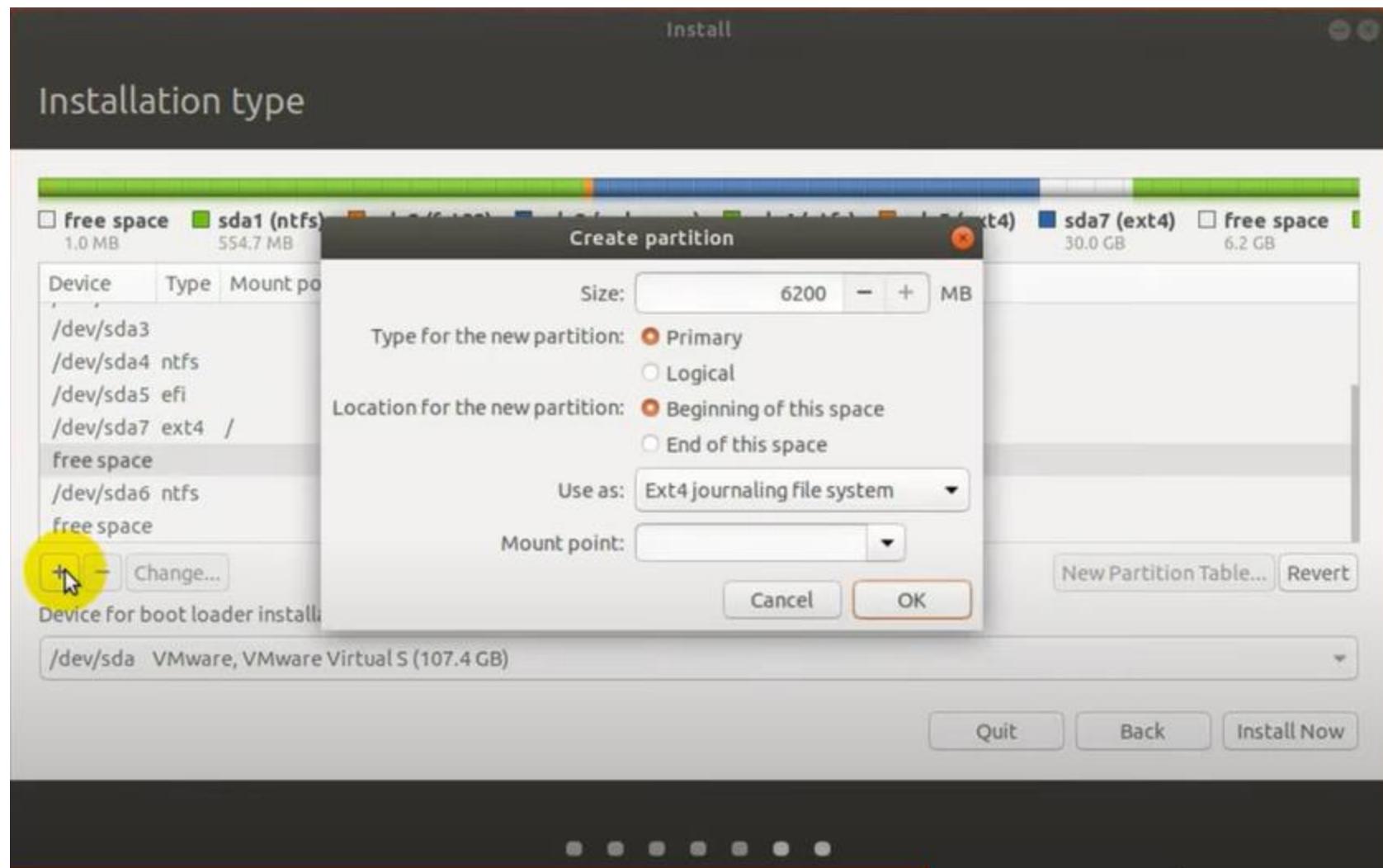
For GPT

# Ubuntu Installation



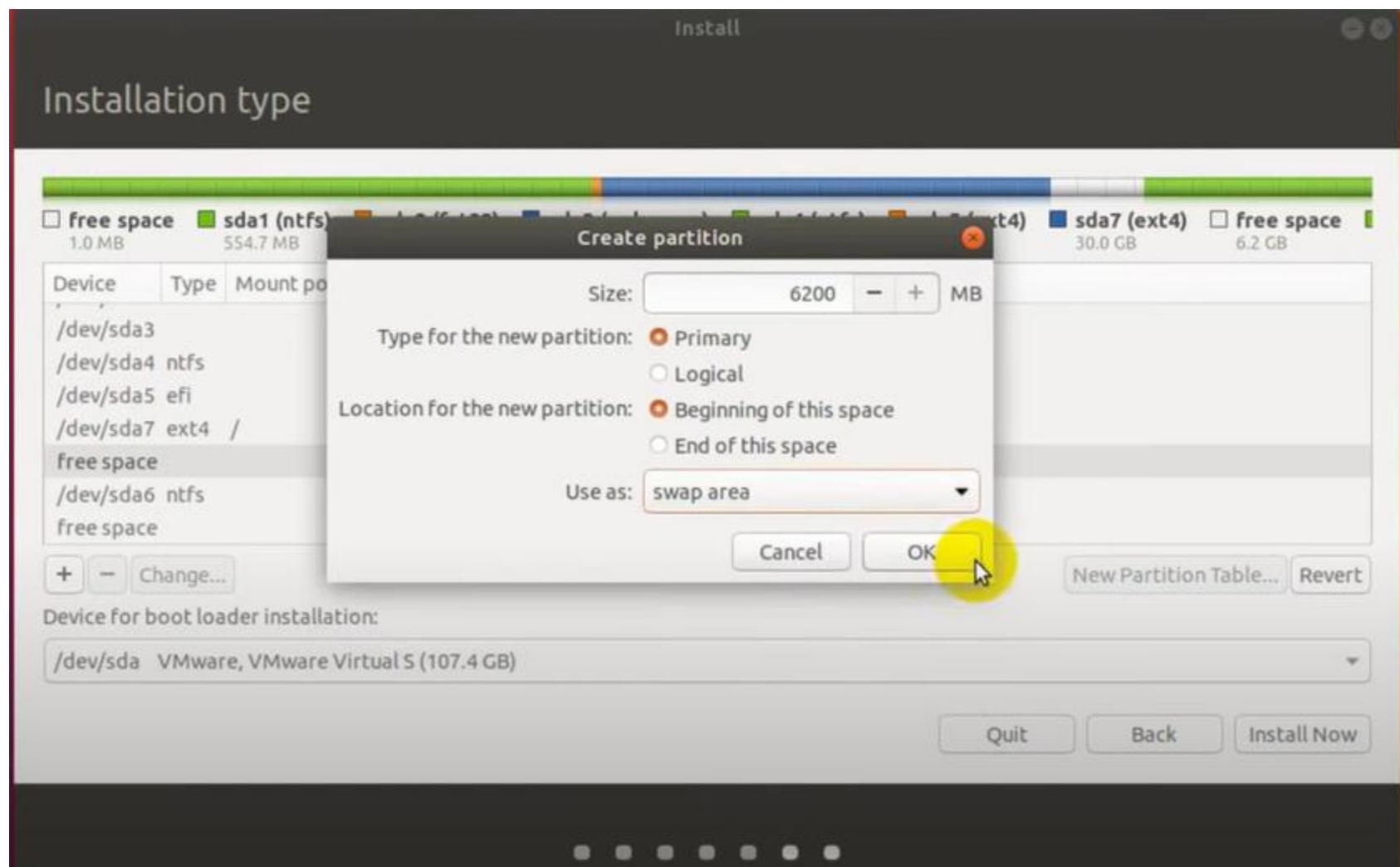
For GPT

# Ubuntu Installation



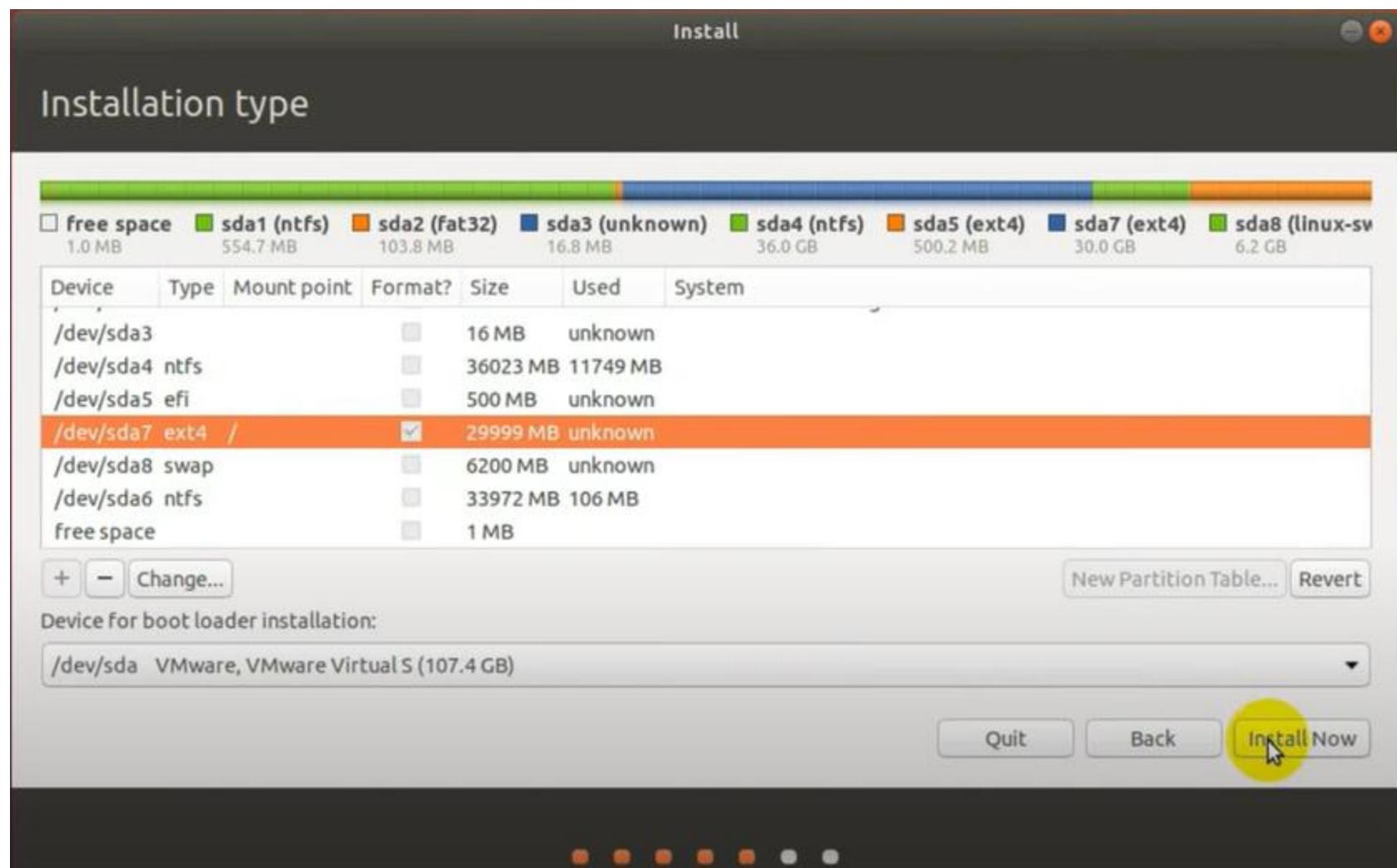
For GPT

# Ubuntu Installation



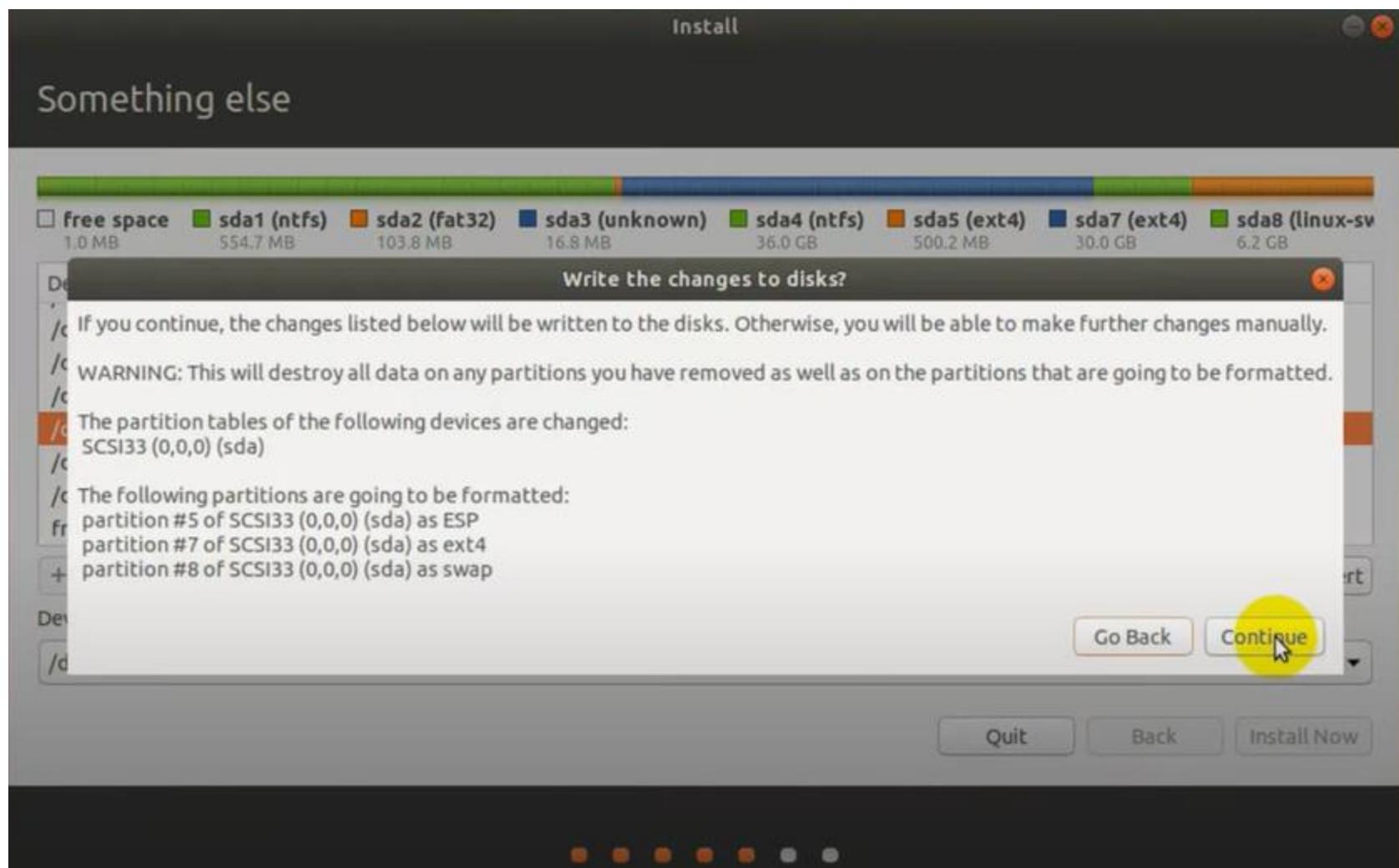
For GPT

# Ubuntu Installation



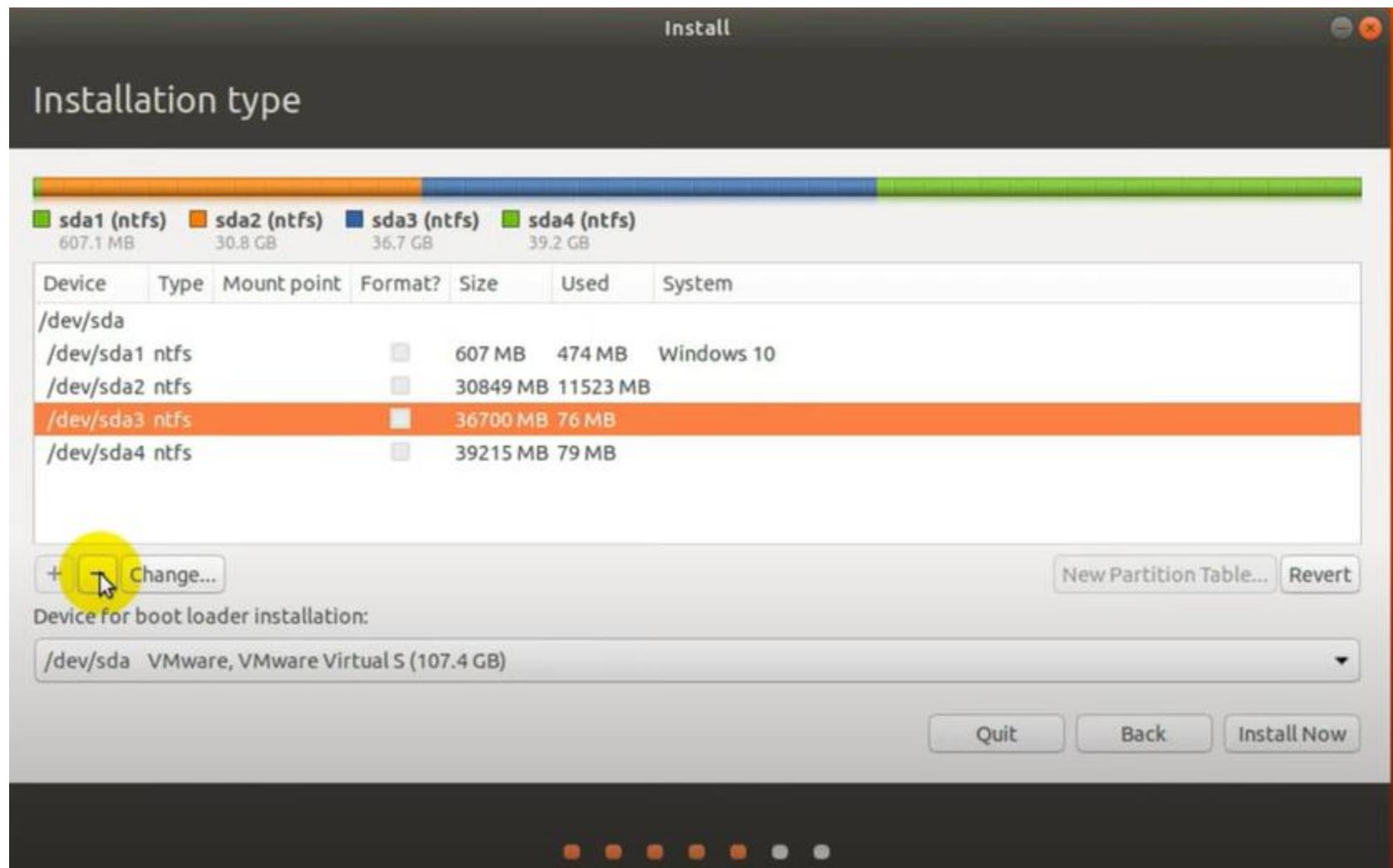
For GPT

# Ubuntu Installation



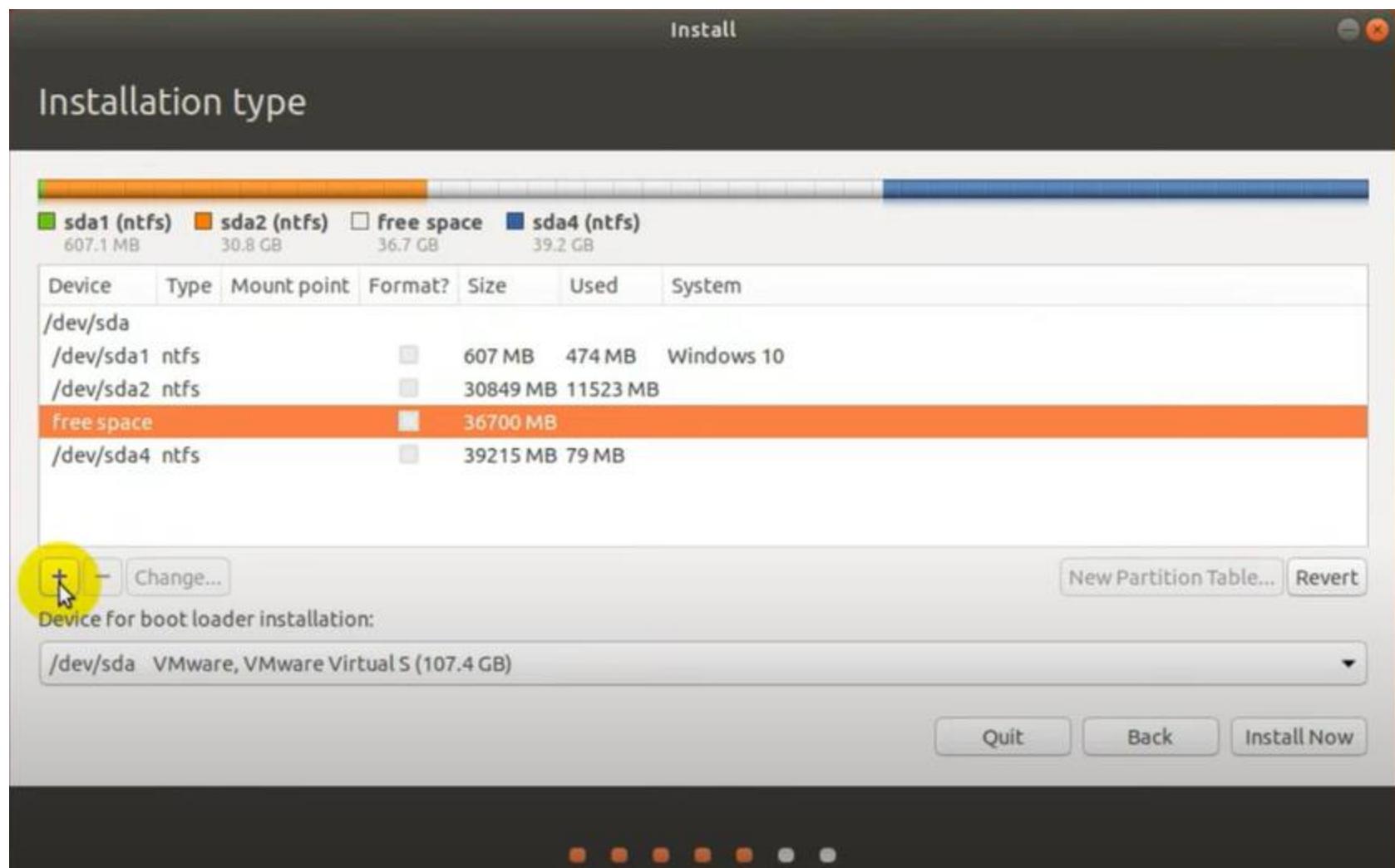
For GPT

# Ubuntu Installation



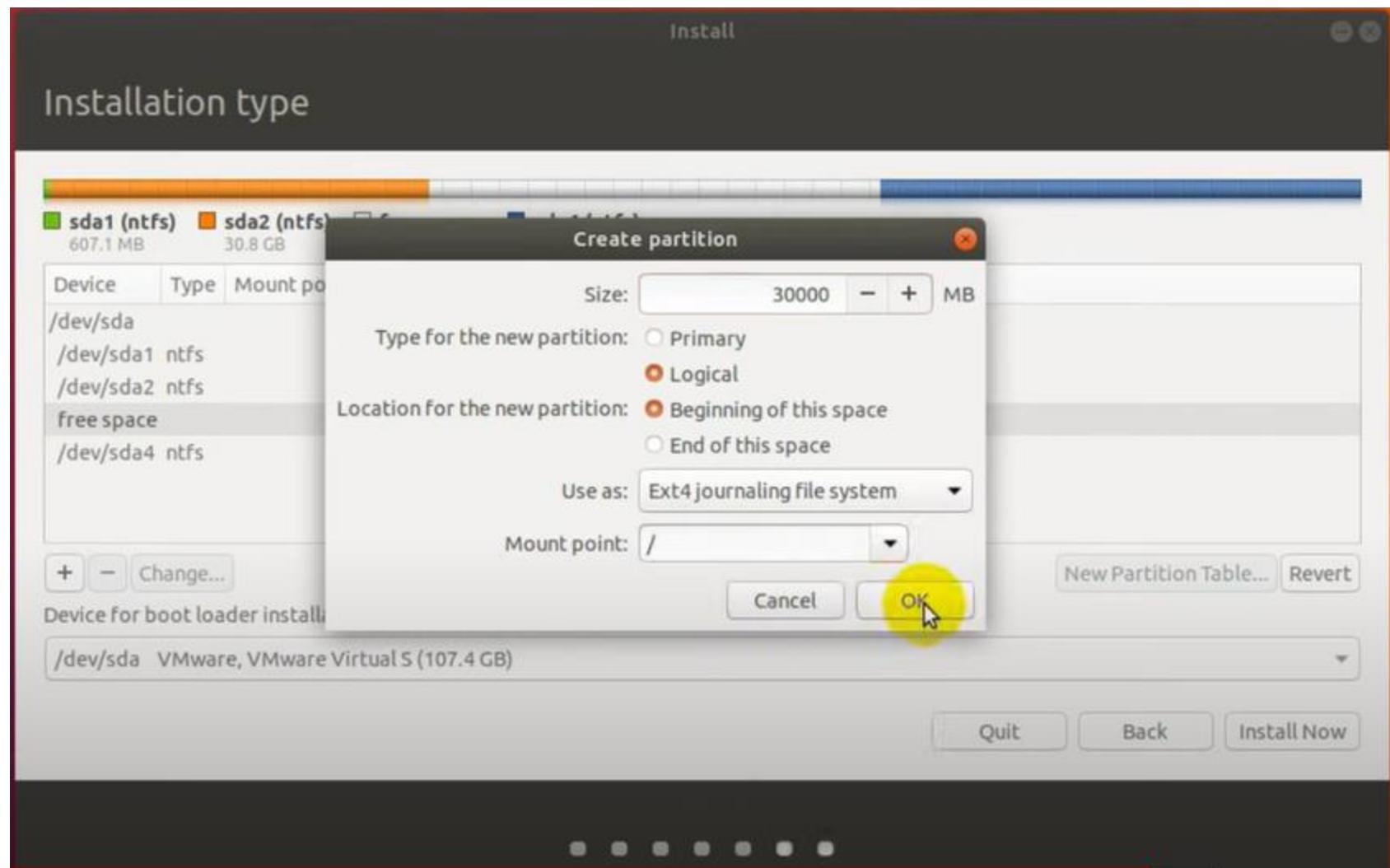
For MBR

# Ubuntu Installation



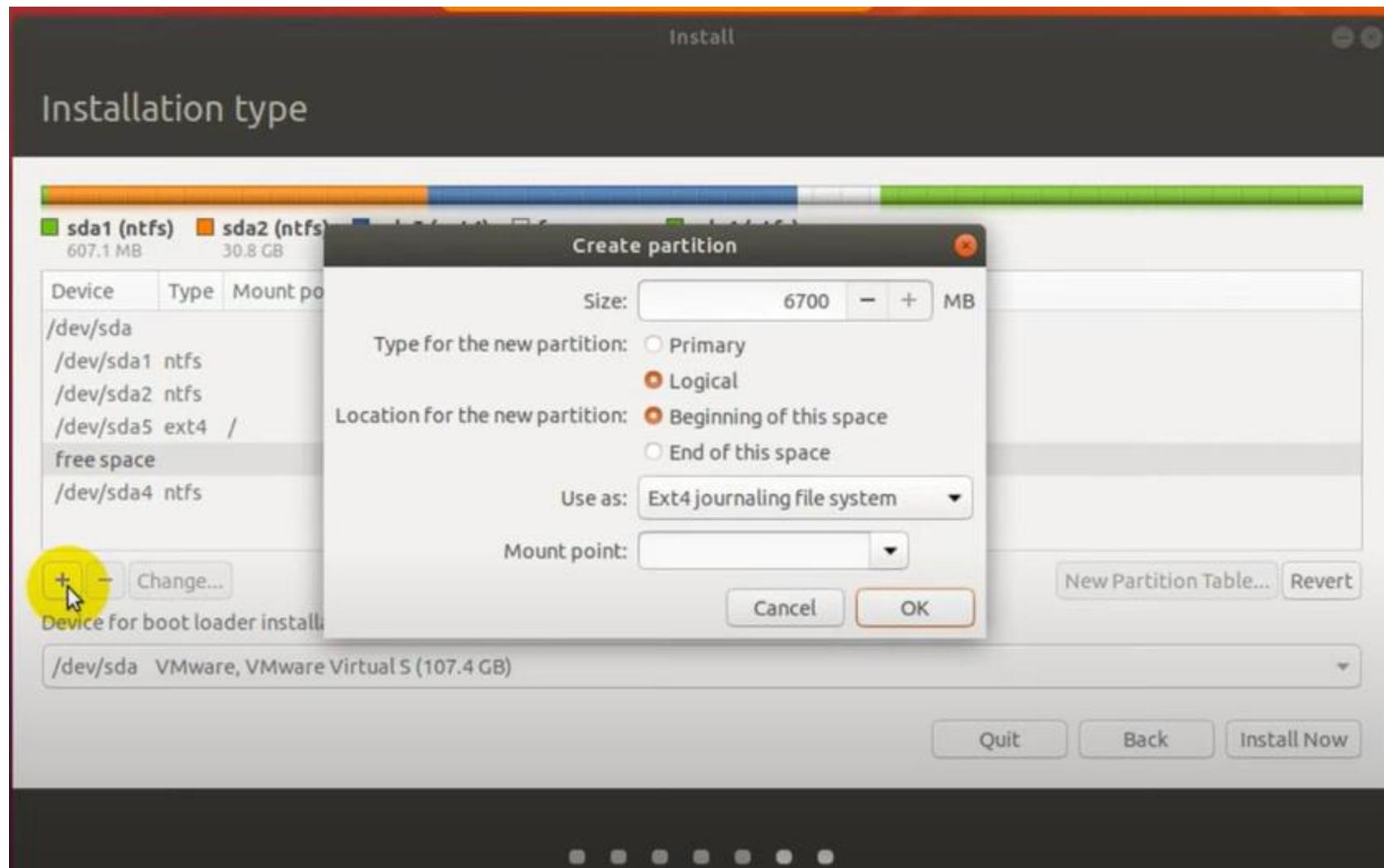
For MBR

# Ubuntu Installation



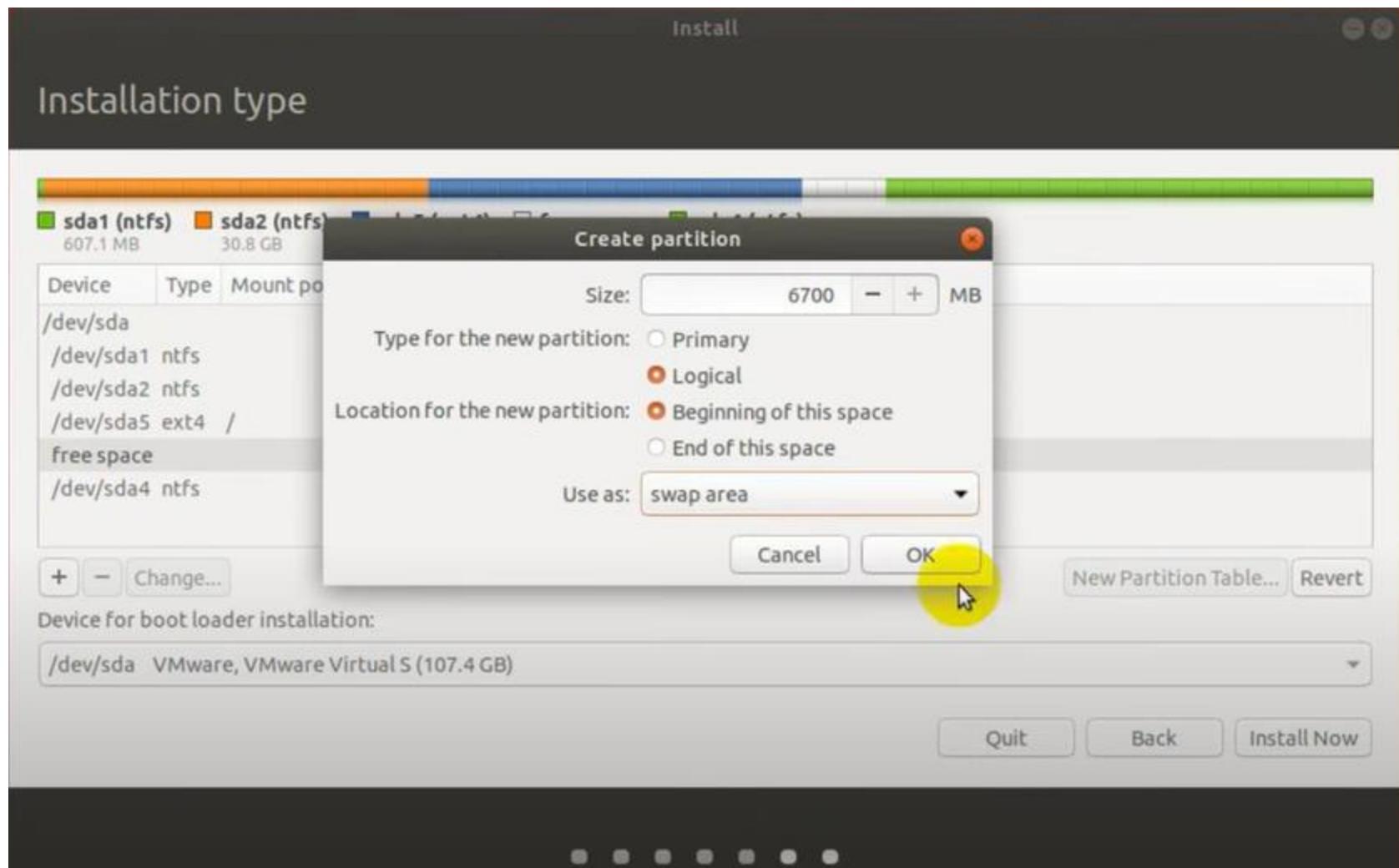
For MBR

# Ubuntu Installation



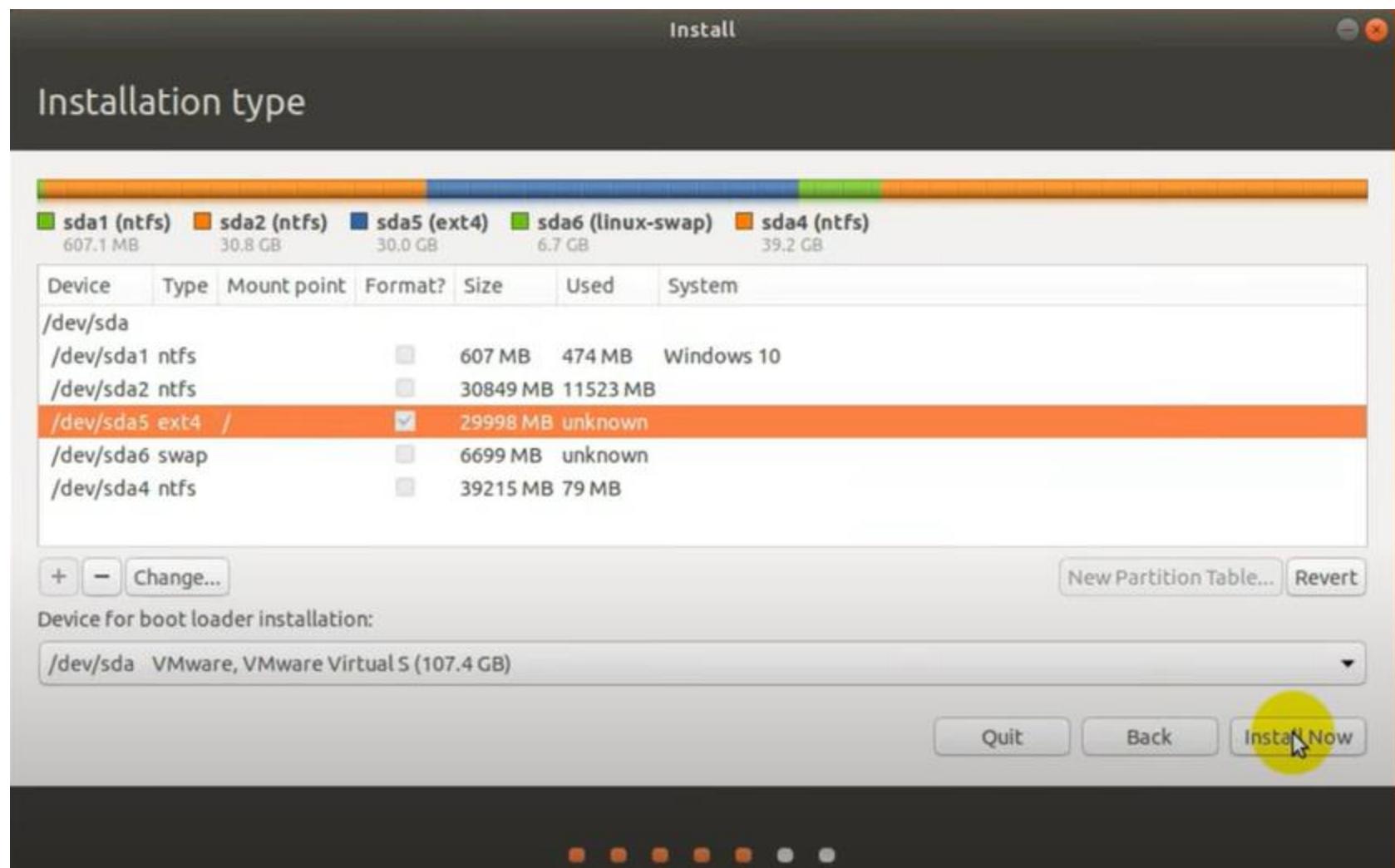
For MBR

# Ubuntu Installation



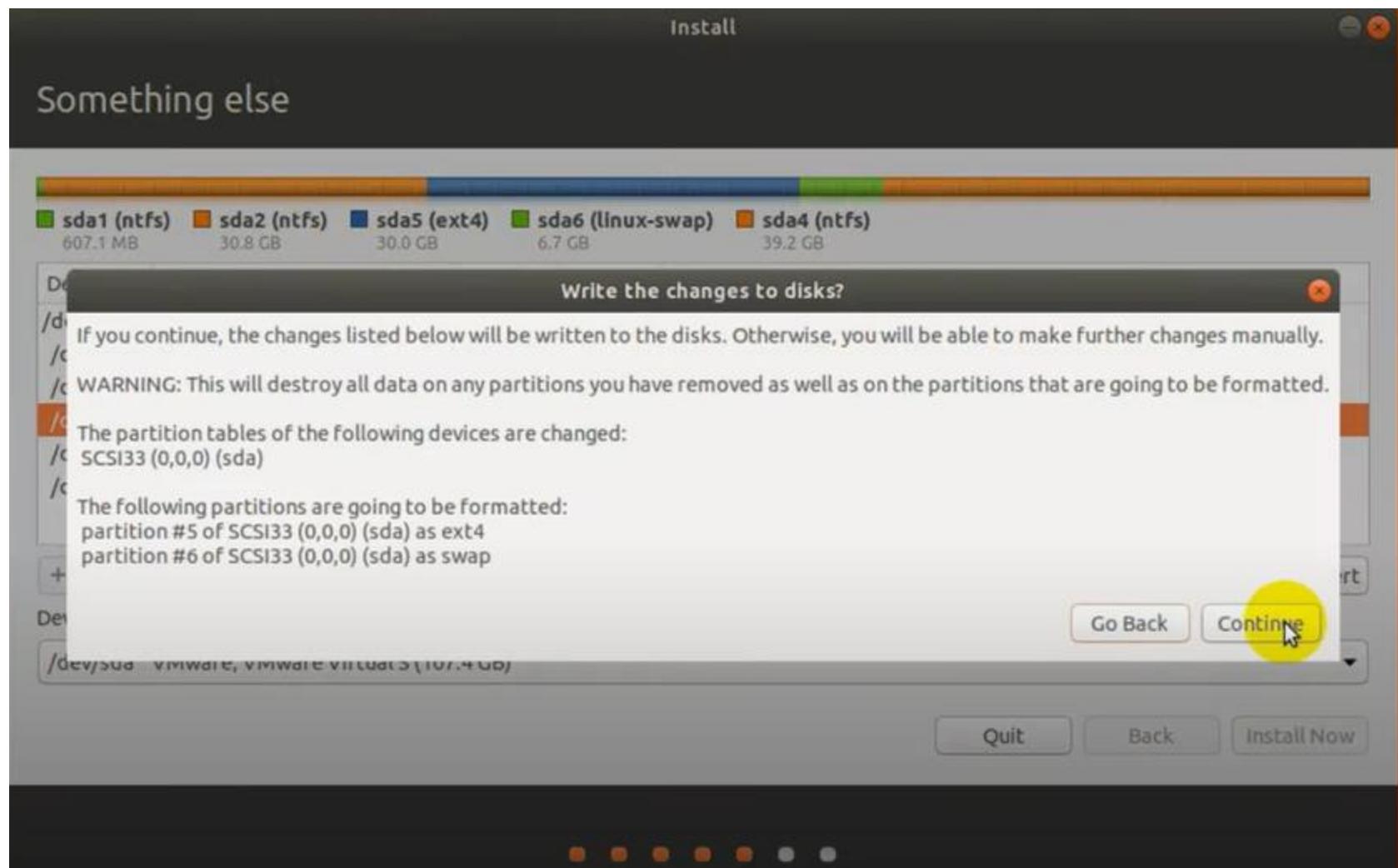
For MBR

# Ubuntu Installation



For MBR

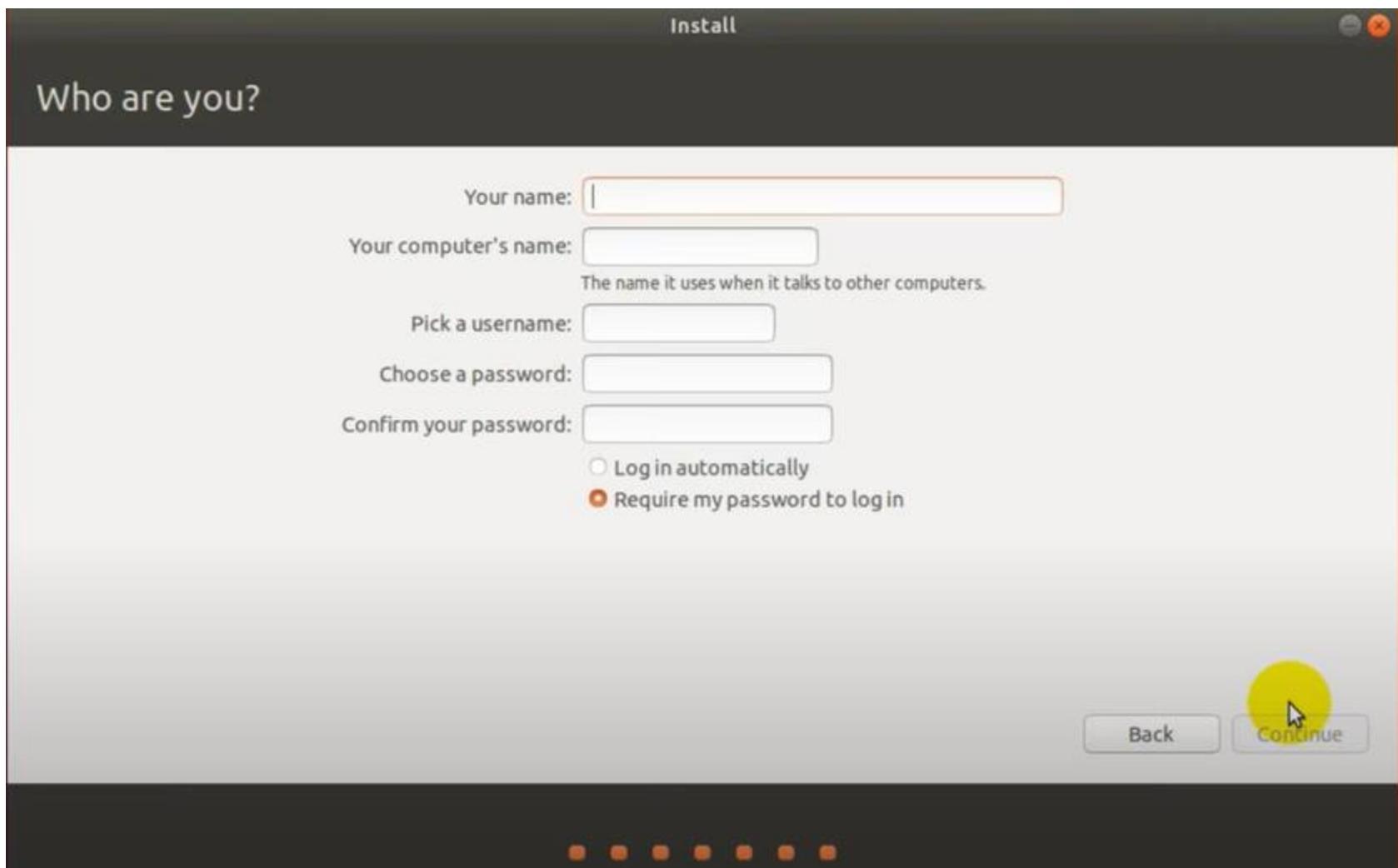
# Ubuntu Installation



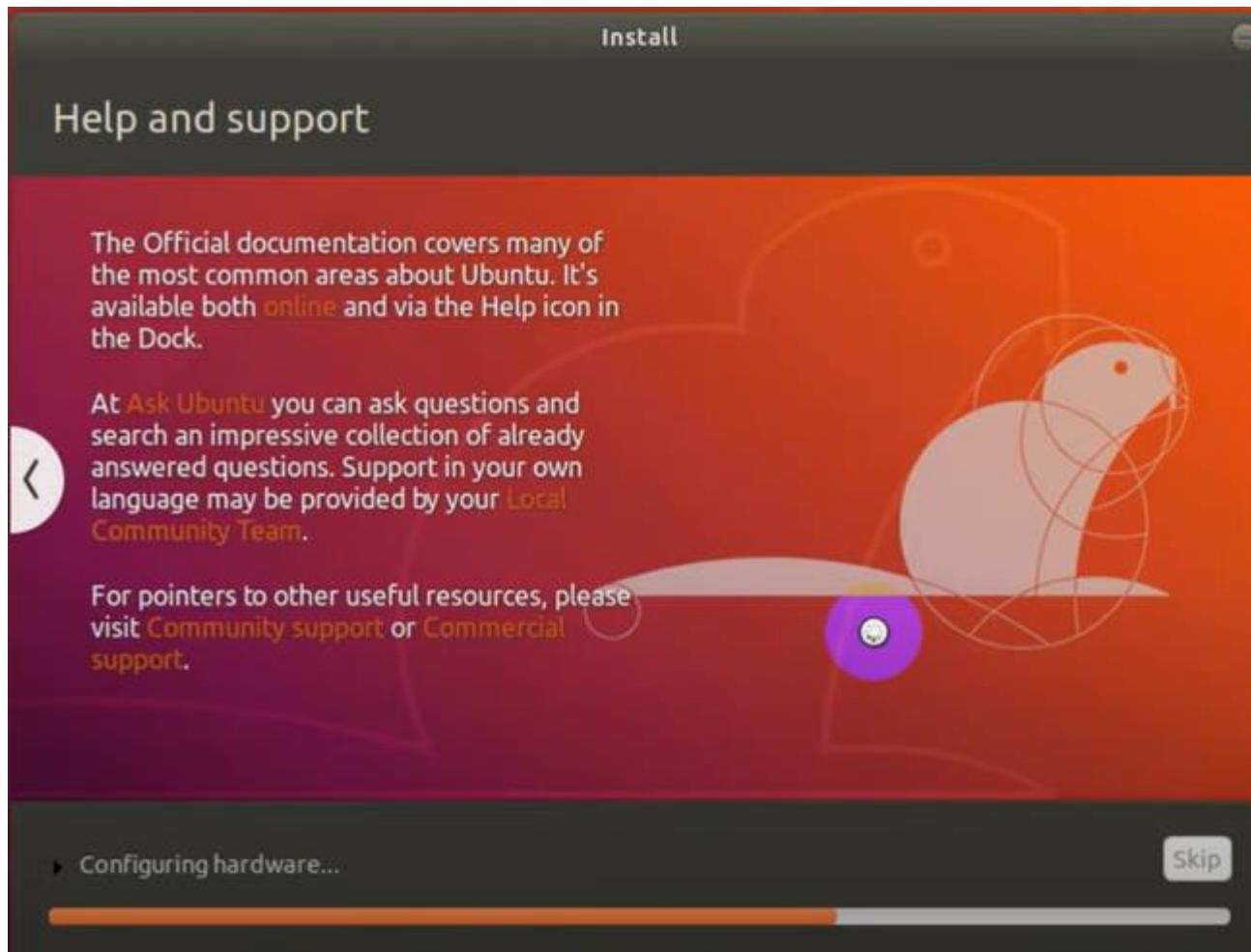
# Ubuntu Installation



# Ubuntu Installation



# Ubuntu Installation



# Ubuntu Installation



# Ubuntu Installation

GNU GRUB version 2.02

```
*Ubuntu
Advanced options for Ubuntu
Windows Boot Manager (on /dev/sda2)
System setup
```



Use the ↑ and ↓ keys to select which entry is highlighted.  
Press enter to boot the selected OS, 'e' to edit the commands before booting or 'c' for a command-line. ESC to