Linux Installation

[Ubuntu 18.04.02]

Why Linux:

- Free
- Open Source
- Secure
- Stable
- Large Community Support

Download Ubuntu Image:

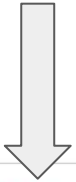
http://releases.ubuntu.com/18.04/

ubuntu releases

Ubuntu 18.04.2 LTS (Bionic Beaver)

Select an image

Ubuntu is distributed on three types of images described below.



Desktop image

The desktop image allows you to try Ubuntu without changing your computer at all, and at your option to install it permanently later. This type of image is what most people will want to use. You will need at least 1024MiB of RAM to install from this image.

64-bit PC (AMD64) desktop image

Choose this if you have a computer based on the AMD64 or EM64T architecture (e.g., Athlon64, Opteron, EM64T Xeon, Core 2). Choose this if you are at all unsure.

1.9 GB

Download Etcher (a burning tool):

https://www.techspot.com/downloads/6931-etcher.html

TECHSPOT

TRENDING FEATURES REVIEWS THE BEST DOWNLOADS PRODUCT FINDER FORUMS

DOWNLOADS FILE MANAGEMENT CD/DVD UTILITIES

Etcher 1.5.52

Burn images to SD cards and USB drives, safe and easy.

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Download options:

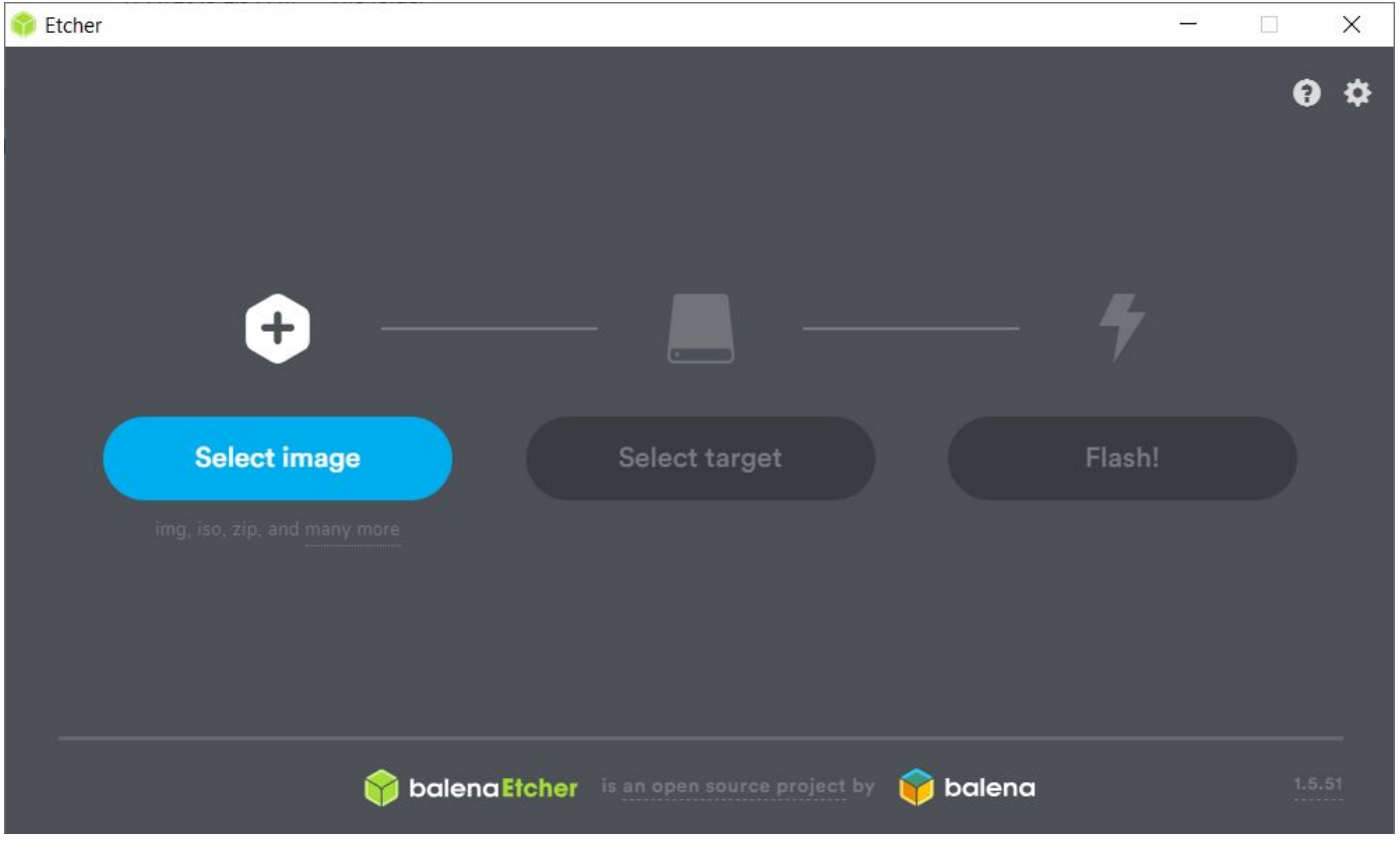
Windows 64-bit

Windows 32-bit

Why Etcher?

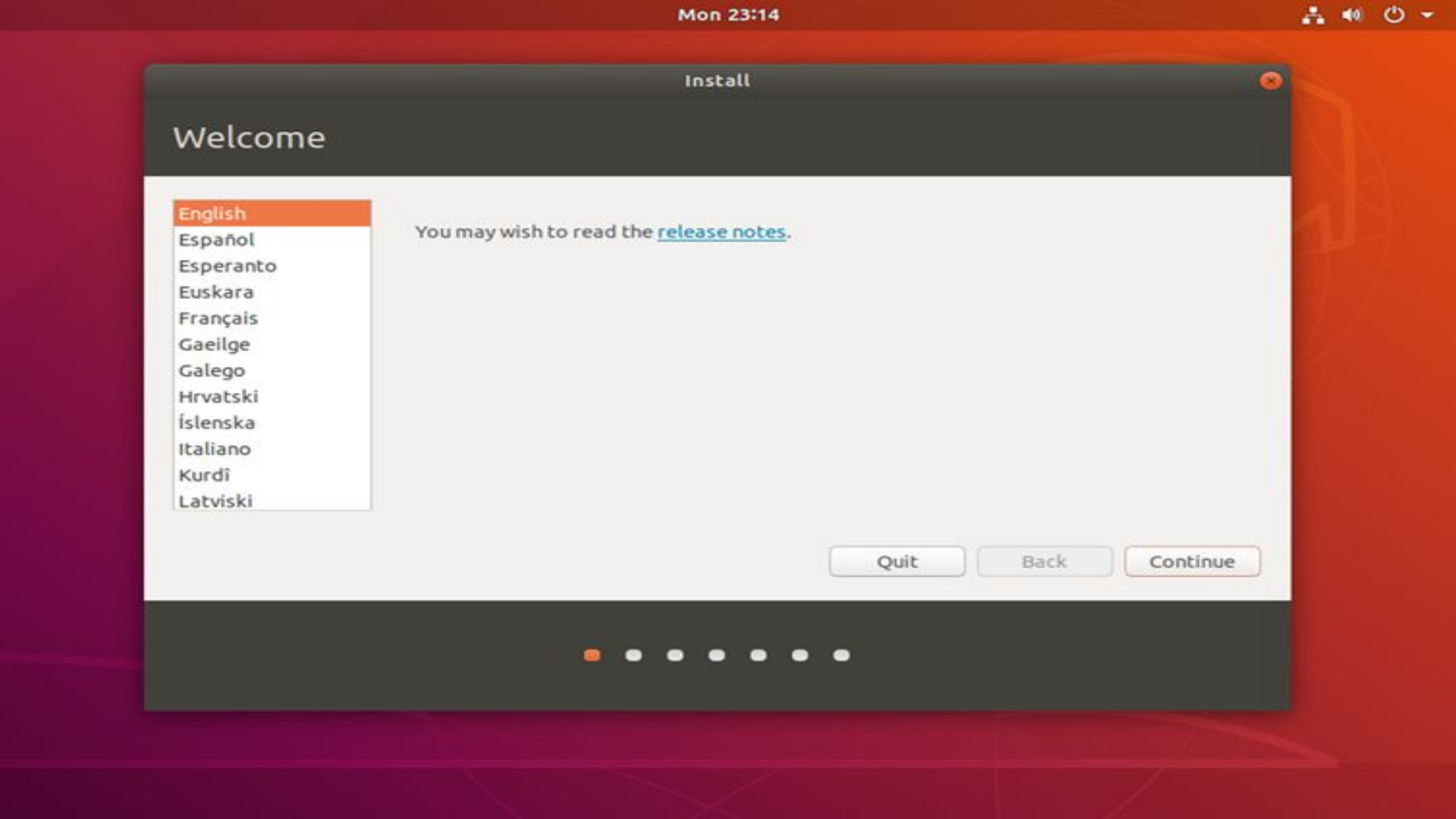
Here at resin.io we have thousands of users working through our getting started process and until recently we were embarassed about the steps that involved burning an SD card. There was a separate track for each Mac/Windows/Ubuntu and several manual and error prone

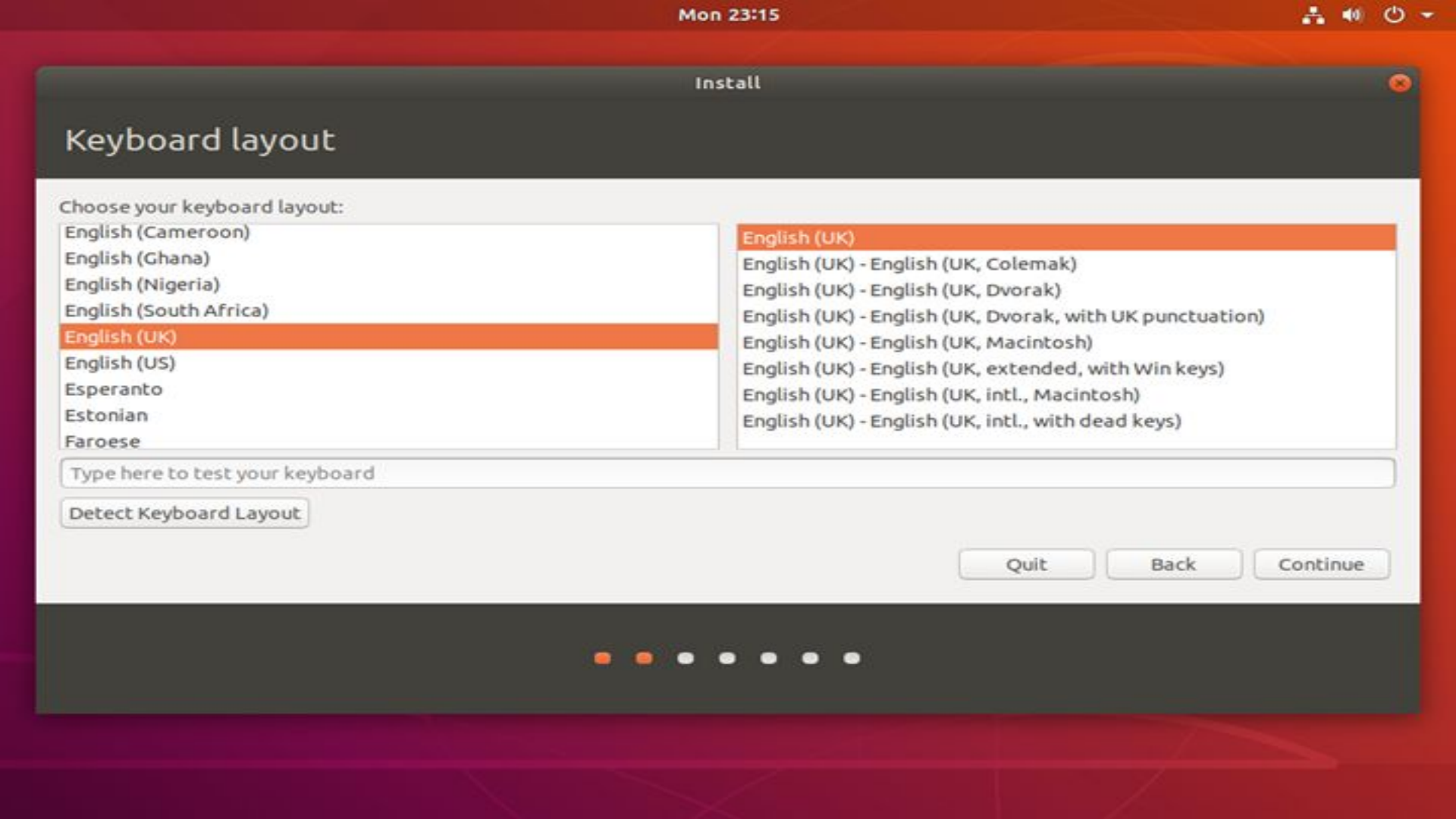
Install Etcher:

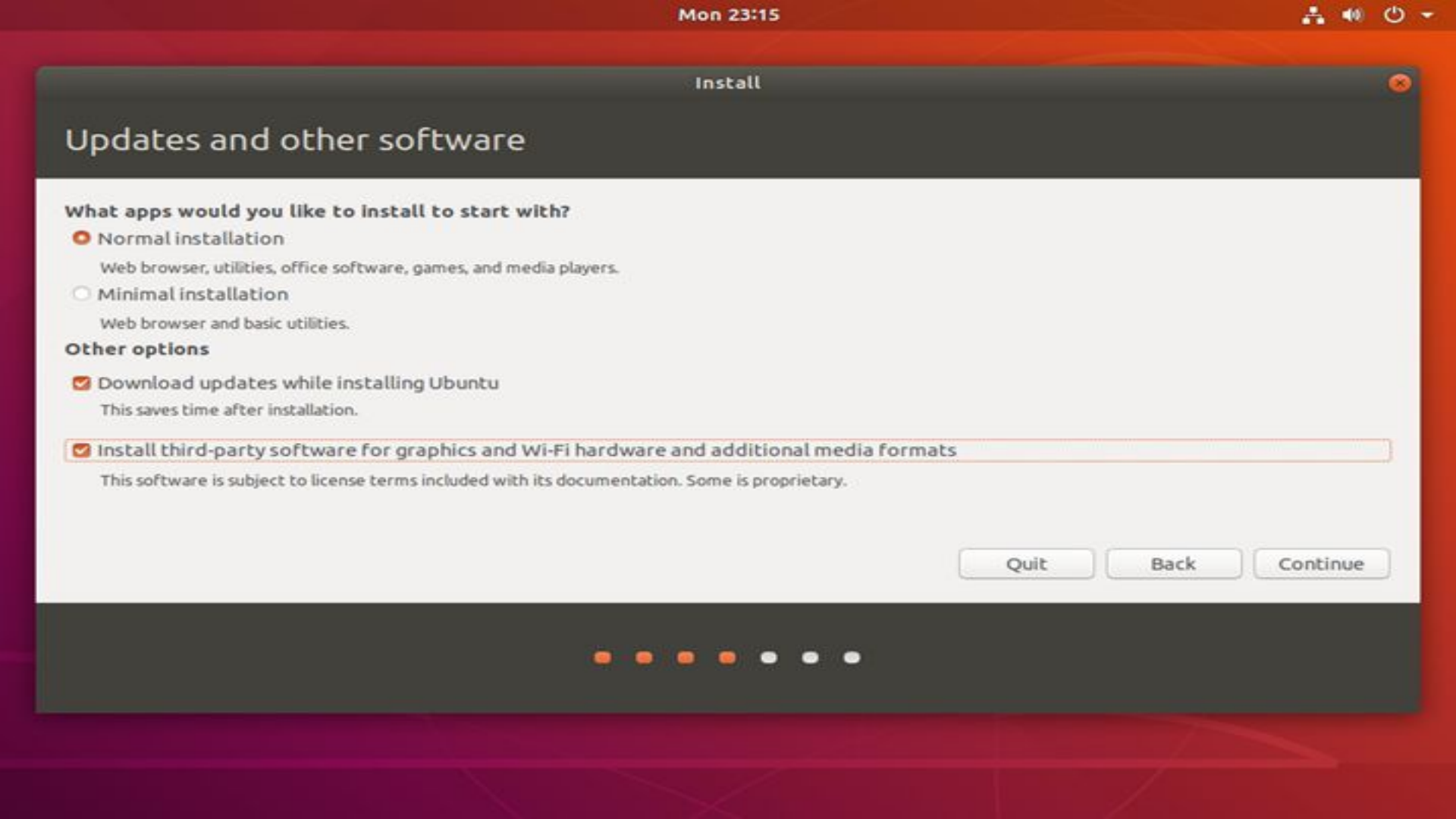


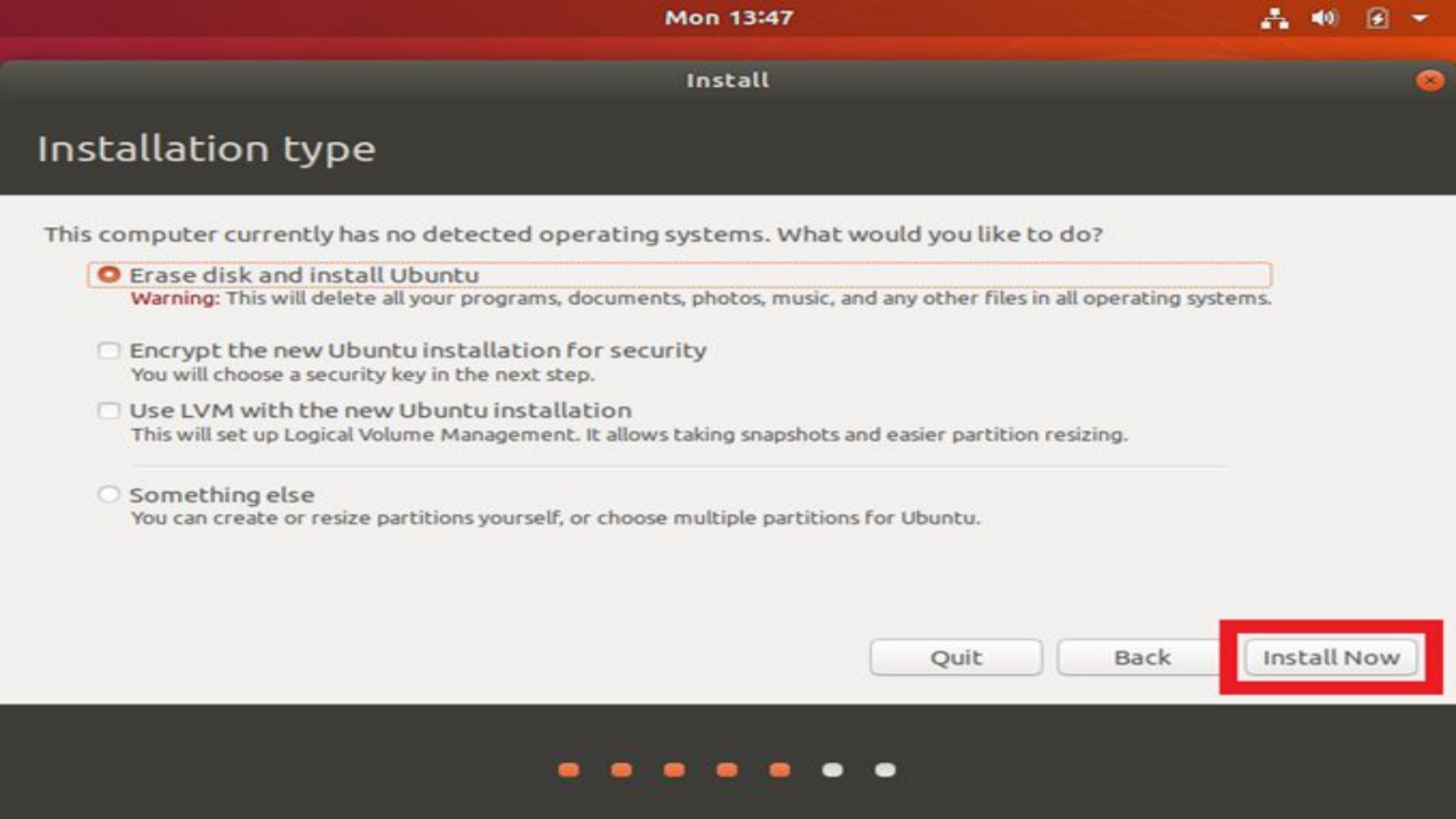
Booting Up Your System:

- Restart your system after burning image.
- Insert bootable media and select boot option.
- It will start installing Ubuntu on your system.


Mon 23:14
Install
Welcome
English
Español
Esperanto
Euskara
Français
Gaeilge
Galego
Hrvatski
Íslenska
Italiano
Kurdî
Latviski
You may wish to read the release notes.
Quit
Back
Continue


Mon 23:15
Install
Keyboard layout
Choose your keyboard layout:
English (Cameroon)
English (Ghana)
English (Nigeria)
English (South Africa)
English (UK)
English (US)
Esperanto
Estonian
Faroese
English (UK)
English (UK) - English (UK, Colemak)
English (UK) - English (UK, Dvorak)
English (UK) - English (UK, Dvorak, with UK punctuation)
English (UK) - English (UK, Macintosh)
English (UK) - English (UK, extended, with Win keys)
English (UK) - English (UK, intl., Macintosh)
English (UK) - English (UK, intl., with dead keys)
Type here to test your keyboard
Detect Keyboard Layout
Quit
Back
Continue


Mon 23:15
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


Mon 13:47
Install
Installation type
This computer currently has no detected operating systems. What would you like to do?
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
Install Now

Install

Installation type

This computer currently has Windows 7 on it. What would you like to do?

- (•) Install Ubuntu alongside Windows 7
  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 | Install Now

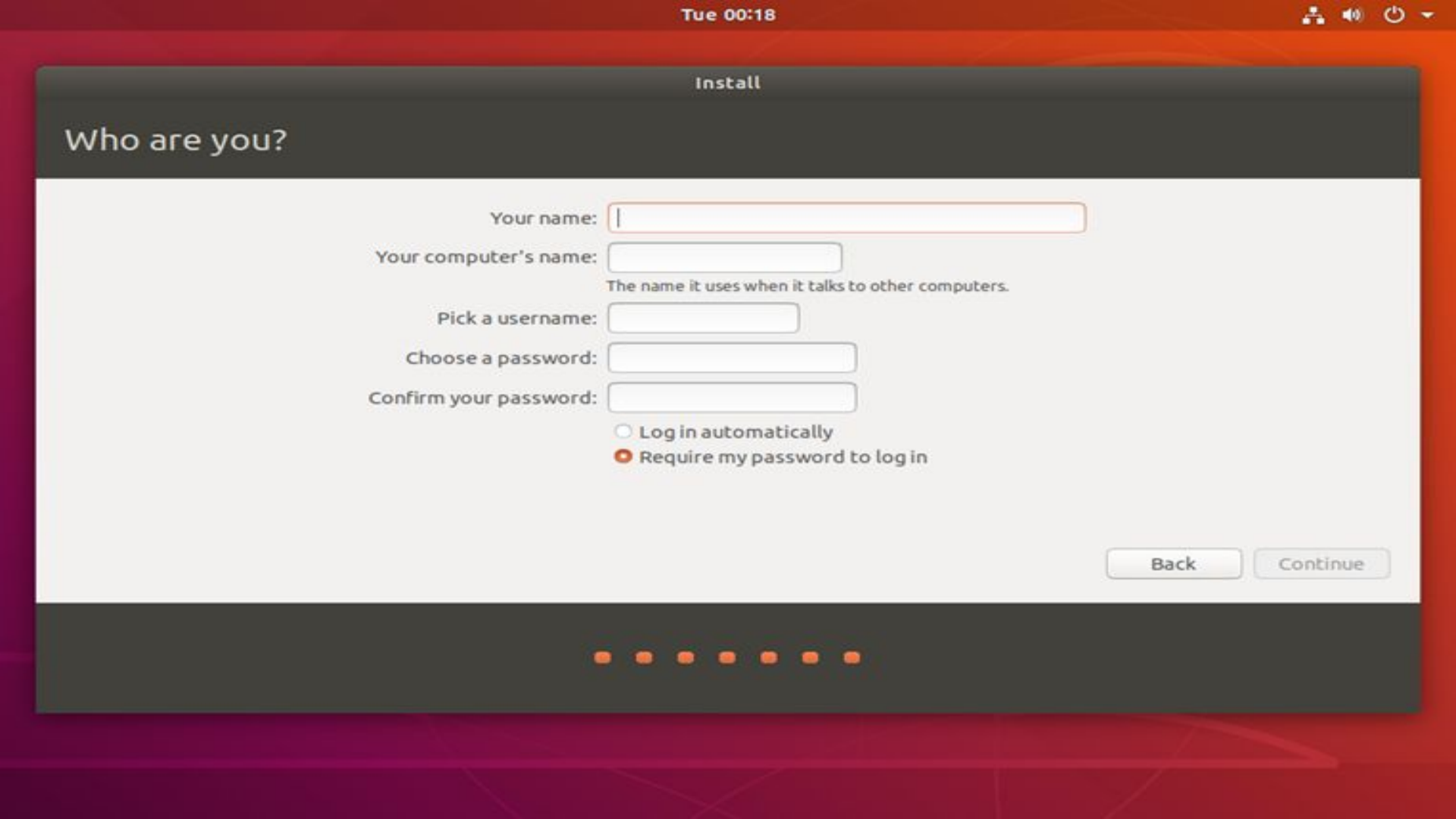
Mon 23:18

Install

Where are you?

London

Back Continue


Tue 00:18
Install
Who are you?
Your name:
Your computer's name:
The name it uses when it talks to other computers.
Pick a username:
Choose a password:
Confirm your password:
Log in automatically
Require my password to log in
Back
Continue

Tue 00:19

Install

Welcome to Ubuntu

Fast and full of new features, the latest version of Ubuntu makes computing easier than ever. Here are just a few cool new things to look out for…

Scanning the mirror...

Skip

Rust Installation

https://www.rust-lang.org/tools/install

A language empowering everyone
to build reliable and efficient software.

Few commands to run before installation:

Open terminal and type these command in terminal.
Shortcut key to open terminal: `ctrl+alt+t`

1. **`sudo apt-get update`**
2. **`sudo apt-get upgrade`**
3. **`sudo apt-get install curl`**
4. **`sudo apt install gcc`**

Installation in Linux & macOS

1. Press **ctrl+alt+t** to open terminal.
2. Add the following Command **curl https://sh.rustup.rs -sSf | sh**
3. Enter **Y** to continue
4. Enter **1** for selecting default installation and wait till download finishes.
5. Add Rust to Path by the following command.

- **$ source $HOME/.cargo/env**

6. Run command **rustc --version** and **rustup --version**

Download Completed

“Rust is now installed. Great!”

Installation in Windows

1. Install Visual C++ build tools from the following link:

   https://visualstudio.microsoft.com/downloads/

All downloads

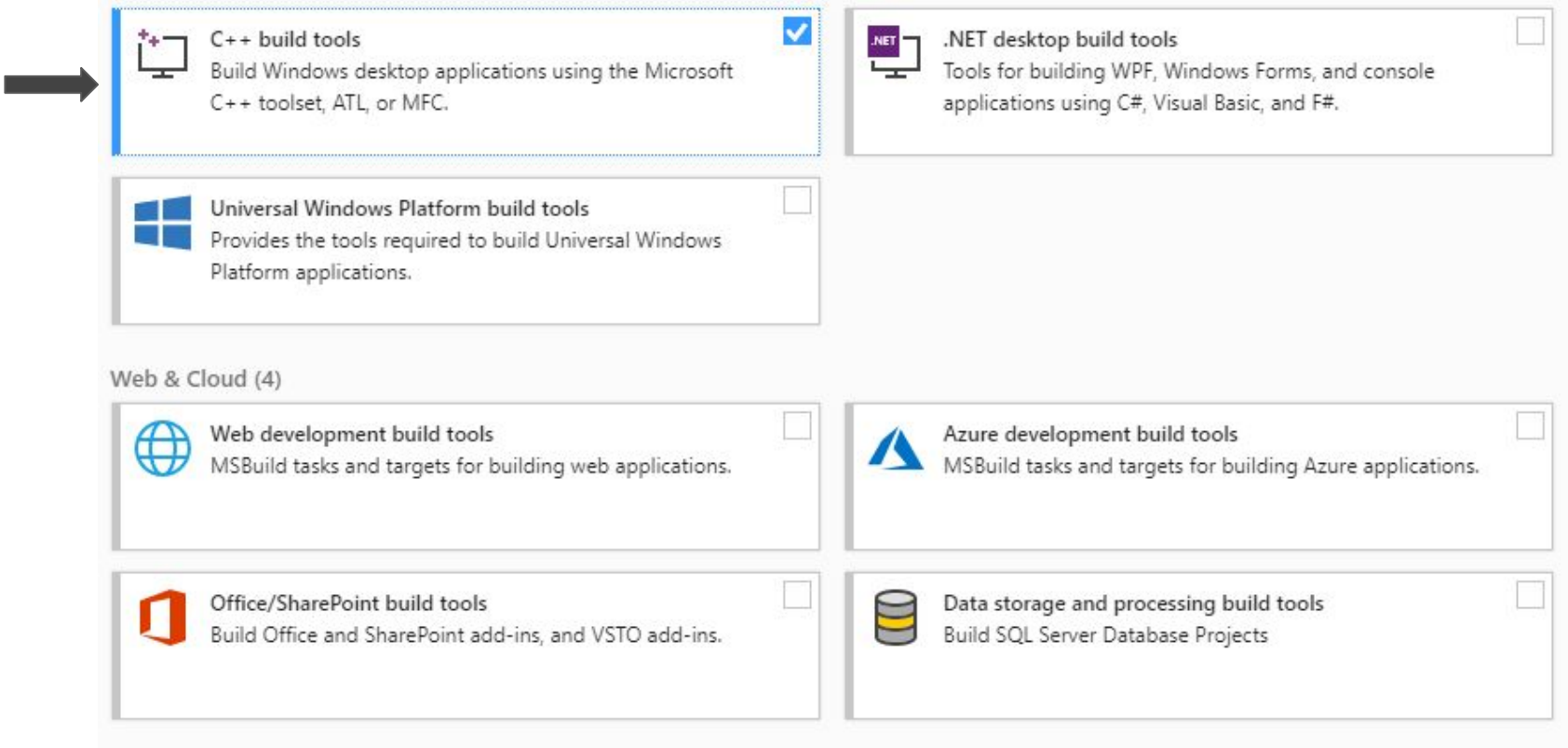
Expand All Collapse All

- Visual Studio 2019
- Tools for Visual Studio 2019
- Visual Studio for Mac
- Visual Studio Code
- Azure DevOps Server 2019.0.1
- Azure DevOps Server 2019 Update 1 RC2
- Other Tools and Frameworks

Tools for Visual Studio 2019

Remote Tools for Visual Studio 2019	Remote Tools for Visual Studio 2019 enables app deployment, remote debugging, remote testing, performance profiling, and unit testing on computers that do not have Visual Studio installed.	◉ ARM64 ○ x64 ○ x86	English Download
Performance Tools for Visual Studio 2019	Standalone command line tools that enable performance profiling without Visual Studio. For more information, see Using the Profiling Tools From the Command-Line.	◉ x64 ○ x86	English Download
IntelliTrace Standalone Collector for Visual Studio 2019	The IntelliTrace stand-alone collector lets you collect diagnostic data for your apps on production servers without installing Visual Studio or redeploying your application.		Download
Agents for Visual Studio 2019	Agents for Visual Studio 2019 can be used for load, functional, and automated testing.	◉ Agent ○ Controller	Download
Build Tools for Visual Studio 2019	These Build Tools allow you to build Visual Studio projects from a command-line interface. Supported projects include: ASP.NET, Azure, C++ desktop, ClickOnce, containers, .NET Core, .NET Desktop, Node.js, Office and SharePoint, Python, TypeScript, Unit Tests, UWP, WCF, and Xamarin.		Download

Select C++ build tools



Note: This downloading file size is upto 4.5 GB, This will require some time to download.

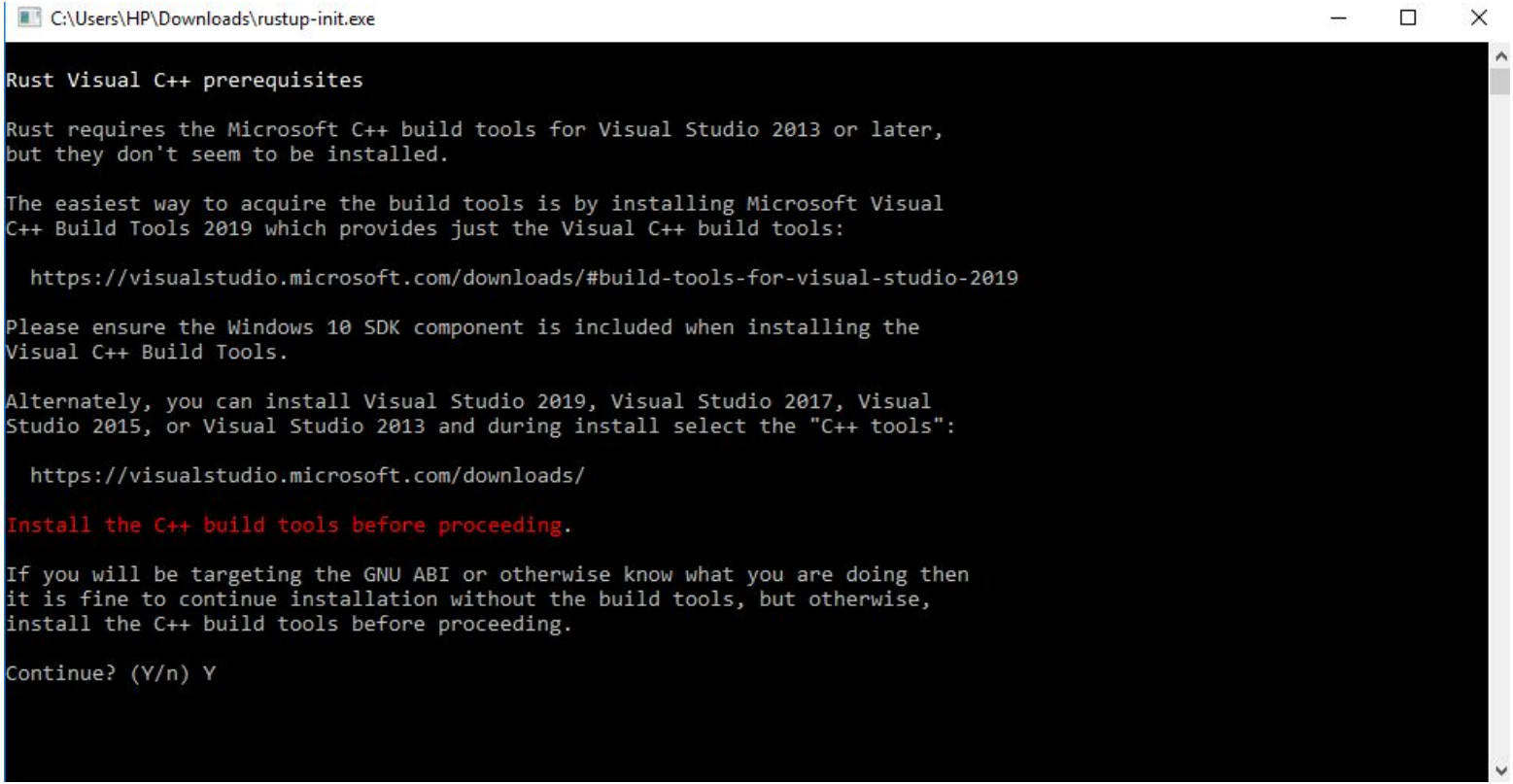
Now Installing Rust

1. Install Rust on Windows

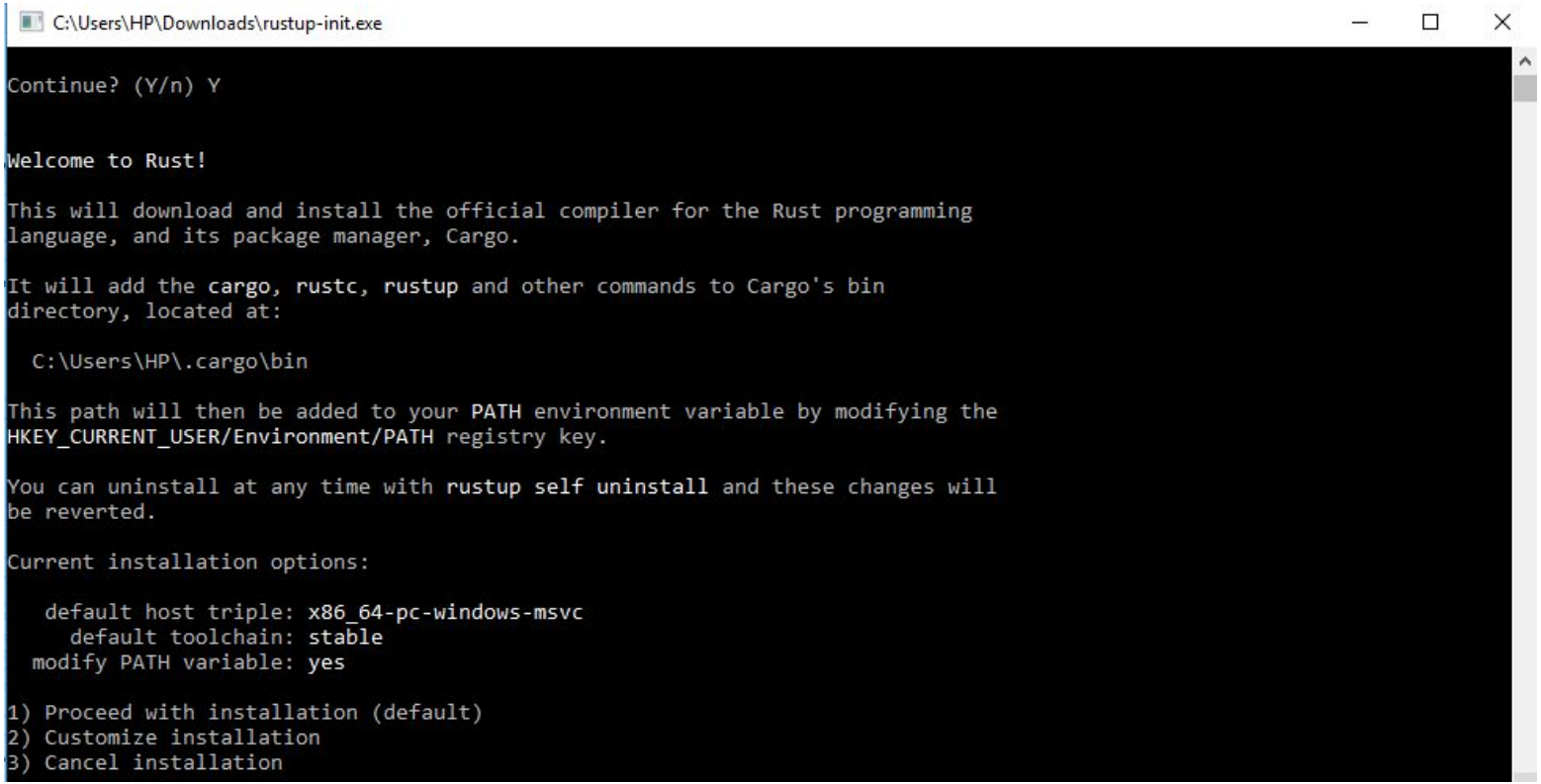
   https://www.rust-lang.org/tools/install

2. Click button **RUSTUP-INIT.EXE**

Open rustup-init.exe



1) Proceed with installation (default)



Download Completed

This download will take some time, after the download completes you will see the following message:

“Rust is now installed. Great!”

Run command `rustc --version` and `rustup --version` it should return version.

Download Visual Code

Fact: **Visual Code** is the most popular development environment.

Though you can choose any IDE you like.

https://code.visualstudio.com/download

Visual Studio Code Docs Updates Blog API Extensions FAQ Search Docs Download

Version 1.36 is now available! Read about the new features and fixes from June.

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.

Windows
Windows 7, 8, 10

User Installer	64 bit	32 bit
System Installer	64 bit	32 bit
.zip	64 bit	32 bit

.deb
Debian, Ubuntu

.rpm
Red Hat, Fedora, SUSE

.deb	64 bit
.rpm	64 bit
.tar.gz	64 bit

Snap Store

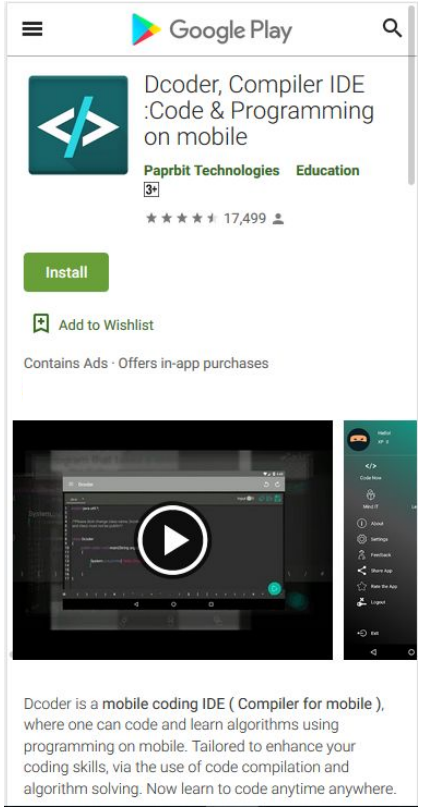
Mac
macOS 10.10+

Rust Playground

The **playground** allows you to experiment with **Rust** before you install it locally, or in any other case where you might not have the compiler available. To open playground click the following link.

https://play.rust-lang.org/

Install **Decoder** and enjoy coding on your phone:



Getting Started

We will be following **The Rust Programming Language** official documentation for learning Rust.

You can access it offline too by typing following command in terminal.

```
rustup docs --book
```

Let’s Hello World in **Rust**