

# How to create Windows 11 ISO image using Tiny11 Builder

Is it possible to create a lightweight copy of Windows 11 without the aforementioned bloatware? Developer NTDEV has released Tiny11 Builder, which allows you to create a customized lightweight Windows 11 ISO.

Windows 11 is not designed to run on low-end systems (at least according to the official hardware requirements on Microsoft's website). In addition to the significantly higher hardware requirements, there are also TPM and Secure Boot issues that prevent Windows 11 from running on older systems. Worse still, there are a lot of useless apps built into Windows 11.

Is it possible to create a lightweight copy of Windows 11 without the aforementioned bloatware? Developer NTDEV has released Tiny11 Builder, which allows you to create a customized lightweight Windows 11 ISO. Let's find out!

## How to prepare your computer to create a lightweight Windows 11 image

Repeat the following methods to prepare your computer before creating a custom Windows 11 ISO file using Tiny11 Builder.

### 1. Download ISO and Tiny11 Builder

First, you need a Windows 11 ISO file (build 22621.525, 22621.1265, or 25300). You can download the ISO file from the official Windows website. You can use UUP Dump to download Insider build 25300 without signing up for the Insider program. Then, go to the Tiny11 Builder GitHub page and download the tool. Extract the tool to a convenient location on your drive.

### 2. Mount ISO file

Here's how to mount an ISO file on Windows 11:

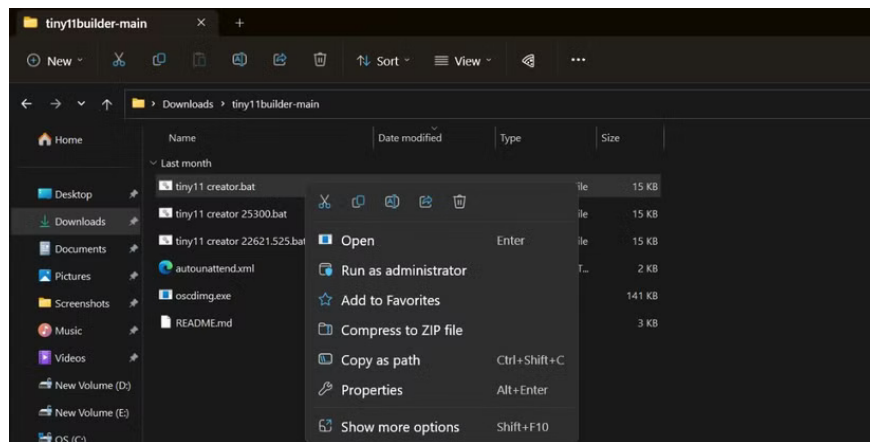
1. Open File Explorer and navigate to the location of the downloaded Windows 11 ISO file.
2. Right-click the ISO file and select the **Mount** option from the context menu. Windows may prompt you with a security warning before opening the ISO file.
3. Click the **Open** button to continue.

4. Make a note of the drive letter of the mounted ISO file: this will be useful later.

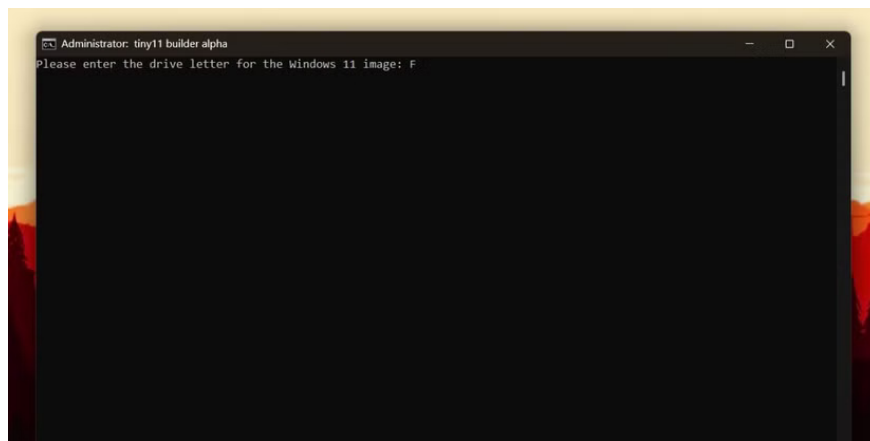
## How to create a lightweight Windows 11 ISO file with Tiny11 Builder

Repeat the following steps to run Tiny11 Builder and create a lightweight Windows 11 image:

1. Press **Win + E** to open File Explorer. Navigate to the location of the Tiny11 Builder tool.
2. Right-click on the **tiny11creator.bat** file and select the **Run as administrator** option . If you want to modify build 25300, run **the tiny11 creator 25300.bat** file.



3. The tool will open in the Command Prompt window. Enter the drive letter of the mounted ISO file and press **Enter** key . The tool will start copying the image file.



4. If you are using a Windows ISO file that contains multiple builds, the tool will list all the versions with their respective index numbers. Enter the index number of the version you want to modify and press **Enter** .

```
Administrator: tiny11 builder alpha
Description : Windows 11 Pro N
Size : 15,810,170,147 bytes

Index : 8
Name : Windows 11 Pro Education
Description : Windows 11 Pro Education
Size : 16,463,581,511 bytes

Index : 9
Name : Windows 11 Pro Education N
Description : Windows 11 Pro Education N
Size : 15,808,583,246 bytes

Index : 10
Name : Windows 11 Pro for Workstations
Description : Windows 11 Pro for Workstations
Size : 16,463,606,406 bytes

Index : 11
Name : Windows 11 Pro N for Workstations
Description : Windows 11 Pro N for Workstations
Size : 15,808,608,591 bytes

The operation completed successfully.
Please enter the image index:1
```

5. The tool will start mounting and modifying the file. It will take a while to remove all the junk, apply registry tweaks and prepare the file.

6. Once the tool finishes creating the ISO file, press any key on the keyboard to close the Command Prompt window.

```
Administrator: tiny11 builder alpha
The tiny11 image is now completed. Proceeding with the making of the ISO...
Copying unattended file for bypassing MS account on OOBE...
  1 file(s) copied.

Creating ISO image...

OSCDIMG 2.56 CD-ROM and DVD-ROM Premastering Utility
Copyright (C) Microsoft, 1993-2012. All rights reserved.
Licensed only for producing Microsoft authorized content.

Scanning source tree (500 files in 43 directories)
Scanning source tree complete (946 files in 86 directories)
Computing directory information complete

Image file is 5043978240 bytes (before optimization)

Writing 946 files in 86 directories to c:\Users\Asus\Downloads\tiny11builder-main\tiny11.iso
100% complete

Storage optimization saved 4 files, 24576 bytes (0% of image)

After optimization, image file is 5046052864 bytes
Space saved because of embedding, sparseness or optimization = 24576

Done.
Creation completed Press any key to exit the script...
Press any key to continue . . .
```

7. Tiny11 Builder will save the modified ISO file in the same folder that contains all the tool files. Navigate to the folder and you will see an ISO file named **tiny11.iso** .

To install this custom Windows 11 ISO image, you need to create a bootable USB. There are many tools to do this, but I recommend using Rufus as it is a pretty good tool.

Then, plug the USB drive into the target system and open the boot device menu. Select the USB boot drive and boot from it. Then, proceed to install Windows and boot to the desktop.

## Is Tiny11 Builder ISO file safe?

When NTDEV released Tiny11, people speculated about what it was doing in the background other than removing bloatware. But after looking at the batch file, all it did was strip out all the unnecessary components, add a few registry tweaks to bypass some prompts and OOBE settings, and then create a smaller ISO than the original. Still, this is a fun DIY project that Microsoft doesn't endorse, so you can install it on a spare system or

create a virtual machine to try it out.

## Create Custom Windows 11 ISO Easily

Tiny11 Builder is a perfect freeware for creating custom Windows 11 ISO files. However, you can only convert the 3 latest builds of the operating system from Microsoft. Hopefully the developer will add support for future builds. If you don't want to go through this hassle, just install the Tiny11 ISO file.

You finished reading the article "**How to create Windows 11 ISO image using Tiny11 Builder**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.