

Building a bootable ISO image

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Note

If you need to build images for a different platform, see [Cross compiling](#).

You may find that an official installation image lacks some hardware support.

The solution is to create `myimage.nix` to point to the latest kernel using the minimal installation ISO:

```
1 { pkgs, modulesPath, lib, ... }: {  
2   imports = [  
3     "${modulesPath}/installer/cd-dvd/installation-cd-minimal.nix"  
4   ];  
5  
6   # use the latest Linux kernel  
7   boot.kernelPackages = pkgs.linuxPackages_latest;  
8  
9   # Needed for https://github.com/NixOS/nixpkgs/issues/58959  
10  boot.supportedFilesystems = lib.mkForce [ "btrfs" "reiserfs" "vfat" "f2fs" "xfs"  
11 }
```

Generate an ISO with the above configuration:

```
$ NIX_PATH=nixpkgs=https://github.com/NixOS/nixpkgs/archive/74e2faf5965a12e8fa5cff799b
```

Copy the new image to your USB stick by replacing `sdX` with the name of your device:

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```
$ sync
```

Next steps

- Take a look at this [list of formats that generators support](#) to find your cloud provider or virtualization technology.
- Take a look at the [alternative guide to create a NixOS live CD](#)