# 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:

```
{ pkgs, modulesPath, lib, ... }: {
  imports = [
    "${modulesPath}/installer/cd-dvd/installation-cd-minimal.nix"
  ];

  # use the latest Linux kernel
  boot.kernelPackages = pkgs.linuxPackages_latest;

  # Needed for https://github.com/NixOS/nixpkgs/issues/58959
  boot.supportedFilesystems = lib.mkForce [ "btrfs" "reiserfs" "vfat" "f2fs" "xf
}
```

Generate an ISO with the above configuration:

```
$ NIX_PATH=nixpkgs=https://github.com/NixOS/nixpkgs/archive/74e2faf5965a12e8fa5cff7
```

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

```
$ dd if=result/iso/*.iso of=/dev/sdX status=progress
$ sync
```

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# 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