

# NixOS als Tarball

```
{ config, pkgs, modulesPath, ... }:  
  
let  
  # format target device with `mkfs.ext4 -L NIXOS_ROOT`  
  rootfsLabel = "NIXOS_ROOT";  
in {  
  imports = [  
    (modulesPath + "/installer/cd-dvd/system-tarball.nix")  
    (modulesPath + "/virtualisation/xen-domU.nix")  
    # (modulesPath + "/profiles/base.nix")  
  ];  
  
  tarball.contents = [  
    {  
      source = pkgs.writeText "grub.cfg" ''  
        insmod gfxterm  
        insmod png  
        set gfxpayload=keep  
        menuentry "NixOS" {  
          search --set=drive1 --label ${rootfsLabel}  
          linux  
            ($drive1){config.boot.kernelPackages.kernel}/${config.system.boot.loader.kernelFile} init=${config.system.build.toplevel}/init ${toString config.boot.kernelParams}  
          initrd  
            ($drive1){config.system.build.initialRamdisk}/${config.system.boot.loader.initrdFile}  
        }  
      '';  
      target = "/boot/grub.cfg";  
    }  
  ];  
  
  fileSystems."/ " = {  
    device = "/dev/disk/by-label/${rootfsLabel}";  
    fsType = "ext4";  
  };  
}
```

```
{ hostname }:  
  
let  
  # format target device with `mkfs.ext4 -L NIXOS_ROOT`  
  rootfsLabel = "NIXOS_ROOT";  
  
  configuration =  
    { config, pkgs, lib, modulesPath, ... }:
```

```
{
  imports = [
    (modulesPath + "/installer/cd-dvd/system-tarball.nix")
    (./configuration/hosts + "/${hostName}/configuration.nix")
  ];
  tarball.contents = [
    {
      source = pkgs.writeText "grub.cfg" ''
        insmod gfxterm
        insmod png
        set gfxpayload=keep
        menuentry "NixOS" {
          search --set=drivel --label ${rootfsLabel}
          linux
            ($drivel){config.boot.kernelPackages.kernel}/${config.system.boot.loader.kernelFile}
            init=${config.system.build.toplevel}/init ${toString config.boot.kernelParams}
            initrd
              ($drivel){config.system.build.initialRamdisk}/${config.system.boot.loader.initrdFile}
            }
          '';
          target = "/boot/grub.cfg";
        }
      ];
    fileSystems."/ " = lib.mkForce {
      device = "/dev/disk/by-label/${rootfsLabel}";
      fsType = "ext4";
    };
  ];
  evaluatedHost = import <nixpkgs/nixos> {
    inherit configuration;
  };
in
  evaluatedHost.config.system.build.tarball
```

```
nix-build tarball.nix --argstr hostName myhost
```

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