

# NixOS

## Install in-place

1. <https://github.com/elitak/nixos-infect>
2. [https://nixos.wiki/wiki/Change\\_root](https://nixos.wiki/wiki/Change_root)

## Infect system using nixos-infect

Ensure you're root when executing the commands (`sudo -i`)

```
touch /etc/ssh/ssh_host_placeholder_key
curl https://raw.githubusercontent.com/elitak/nixos-infect/master/nixos-infect | NIX_CHANNEL=nixos-24.11 NO_REBOOT=1 bash -x
```

## Apply configuration

First check-out desired configuration into `/etc/nixos`.

```
# Change owner to primary user if you want to edit it from the primary user
chown -R 1000:1000 /etc/nixos
git clone <NIXOS-GIT-REPOSITORY> /etc/nixos
```

Then restart system once so NixOS replaces the currently installed system. Afterwards boot another NixOS system (e.g. from another partition or live CD) to adjust system configuration for example LUKS partitions.

When second NixOS system is booted mount your system into `/mnt` including additional partitions like boot partition (into their respective directories). Afterwards invoke `nixos-enter` to enter a shell simulating the future NixOS system.

```
mount /dev/disk/by-id/xxxx-part1 /mnt
mount /dev/disk/by-id/xxxx-part2 /mnt/boot
nixos-enter
```

Now adjust your configuration to add/support this system and its hardware. Also keep in mind that if you're using LUKS for your primary partition/disk you need to manually add it to the generated hardware configuration to support it.

```
# Adjust files in /etc/nixos to support this system
nixos-generate-config > /etc/nixos/hardware-configuration.nix
```

Now activate the configuration on next boot.

```
nix-env --set \
```

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```
-I nixpkgs=$(realpath $HOME/.nix-defexpr/channels/nixos) \  
-f '<nixpkgs/nixos>' \  
-p /nix/var/nix/profiles/system \  
-A system  
/nix/var/nix/profiles/system/bin/switch-to-configuration boot  
# this might also work instead of the above commands  
# nixos-rebuild boot
```

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