



# *Learning Linux*

## Creating a Fedora Remix

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# Fedora Remix Creation

Download a pre-built ISO from: [https://drive.google.com/drive/folders/1UAT07AJIrTdMk3ke\\_QE6S6vz-qn6qGtR](https://drive.google.com/drive/folders/1UAT07AJIrTdMk3ke_QE6S6vz-qn6qGtR)

# Chapter 1. Preparing a Build System

## 1.1. Getting Started

Section Info Here

### Initial Configuration

- **User for Ansible:** ansible
- **Password for Ansible User:** ansiblepassword
- User in sudoers.d file to become root without prompting for password

#### Listing 1. /etc/sudoers.d/ansible File

### 1.1.1. Preparing Environment

In order to prepare the environment, you will need a system running with Fedora already installed from the LiveCD and it will also need to have sufficient disk space to download REPO files, create the repository, and house the DVD ISO that is being created.

### Required Items for Build Environment

- Same version of Fedora as Remix
- Same system architecture as Remix
- SELinux in **permissive** Mode
- Packages
  - livecd-tools
  - spin-kickstarts
- Lots of disk space

#### Default Kickstart files

The default kickstart files are installed in `/usr/share/spin-kickstarts`.

#### Listing 2. Initial Kickstart Files



fedora-cinnamon-common.ks	fedora-live-kde-base.ks
fedora-cloud-base-gcp.ks	fedora-live-kde.ks
fedora-cloud-base.ks	fedora-live-lxde.ks
fedora-cloud-base-vagrant.ks	fedora-live-lxqt.ks
fedora-comp-neuro-common.ks	fedora-live-mate_compiz.ks
fedora-container-base.ks	fedora-live-minimization.ks

```
fedora-container-base-minimal.ks  fedora-live-python-classroom.ks
fedora-container-common.ks        fedora-live-robotics.ks
fedora-design-suite-common.ks     fedora-live-scientific_kde.ks
fedora-disk-base.ks               fedora-live-security.ks
fedora-disk-kde.ks                fedora-live-soas.ks
fedora-disk-minimal.ks            fedora-live-workstation.ks
fedora-disk-python-classroom.ks   fedora-live-xfce.ks
fedora-disk-server.ks             fedora-lxde-common.ks
fedora-disk-soas.ks               fedora-lxqt-common.ks
fedora-disk-workstation.ks        fedora-mate-common.ks
fedora-disk-xbase.ks              fedora-minimal-common.ks
fedora-disk-xfce.ks               fedora-modular-arm-server.ks
fedora-elk-container-base.ks      fedora-modular-disk-minimal.ks
fedora-elk-guest.ks               fedora-neuro-gnome-common.ks
fedora-i3-common.ks               fedora-python-classroom-common.ks
fedora-iot.ks                     fedora-python-classroom-gnome-common.ks
fedora-kde-common.ks              fedora-python-classroom-vagrant.ks
fedora-kde-minimization.ks        fedora-repo.ks
fedora-live-astronomy_kde.ks      fedora-repo-not-rawhide.ks
fedora-live-base.ks               fedora-repo-rawhide.ks
fedora-live-cinnamon.ks           fedora-scientific-common.ks
fedora-live-comp_neuro.ks         fedora-scientific-vagrant.ks
fedora-live-design_suite.ks       fedora-soas-common.ks
fedora-live-games.ks              fedora-workstation-common.ks
fedora-live-i3.ks                 fedora-xfce-common.ks
fedora-live-jam_kde.ks            snippets
```

The one Fedora starts with is **fedora-live-base.ks**.

### 1.1.2. Create Build and Package Cache Directories and Copy Kickstarts

A build and cache directory should be created and you should copy kickstart files to your build directory.

#### Listing 3. Create Build Directory

```
mkdir -p /livecd-creator/{FedoraRemix,package-cache}
```

#### Listing 4. Copy the Base KS and the Desired Custom KS to the FedoraRemix directory

```
cp /usr/share/spin-kickstarts/fedora-live-base.ks /livecd-creator/FedoraRemix/
cp /usr/share/spin-kickstarts/fedora-repo.ks /livecd-creator/FedoraRemix/
cp /usr/share/spin-kickstarts/fedora-workstation-common.ks /livecd-creator/FedoraRemix/
```

```
cp /usr/share/spin-kickstarts/fedora-repo-not-rawhide.ks /livecd-creator/FedoraRemix/
```

```
cp /usr/share/spin-kickstarts/fedora-live-workstation.ks /livecd-creator/FedoraRemix/FedoraRemix.ks
```



### Customizing Repositories

Modify and update the \* **with the correct repositories to use. Comment out the \*RAWHIDE** and use the repos for the version of Fedora you are Remixing.

# Chapter 2. Preparing a Build System

## 2.1. Getting Started

### 2.1.1. Preparing Environment

# Appendix A: Fedora Remix