Upgrading Fedora 28 to Fedora 29

fedoramagazine.org/upgrading-fedora-28-fedora-29

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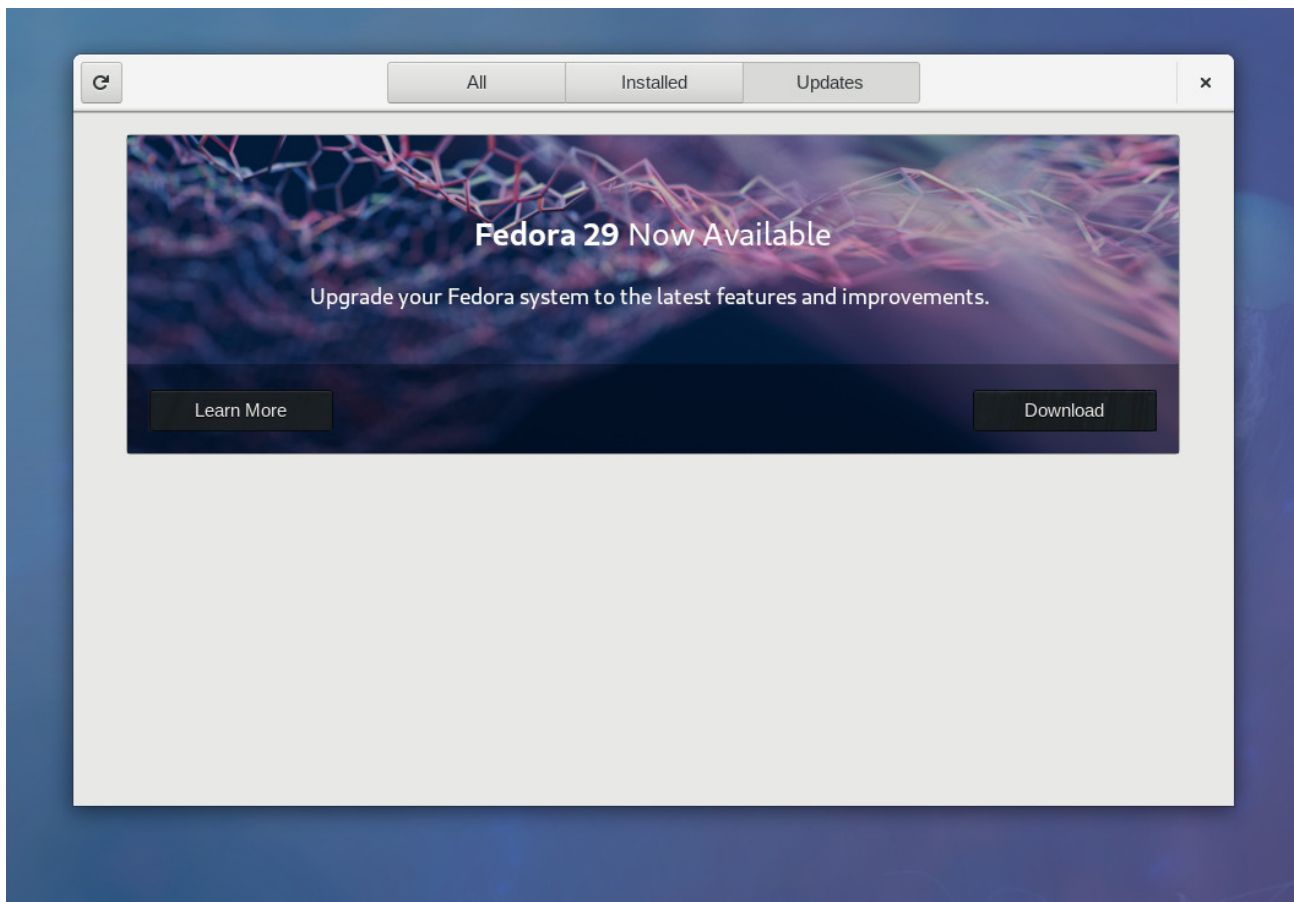

Fedora 29 <u>was just officially released</u>. You'll likely want to upgrade your system to the latest version of Fedora. Fedora Workstation has a graphical upgrade method. Alternatively, Fedora offers a command-line method for upgrading Fedora 28 to Fedora 29.

Upgrading Fedora 28 Workstation to Fedora 29

Soon after release time, a notification appears to tell you an upgrade is available. You can click the notification to launch the **GNOME Software** app. Or you can choose Software from GNOME Shell.

Choose the *Updates* tab in GNOME Software and you should see a window like this:

If you don't see anything on this screen, try using the reload tool at the top left. It may take some time after release for all systems to be able to see an upgrade available.

Choose *Download* to fetch the upgrade packages. You can continue working until you reach a stopping point, and the download is complete. Then use GNOME Software to restart your system and apply the upgrade. Upgrading takes time, so you may want to grab a coffee and come back to the system later.

Using the command line

If you've upgraded from past Fedora releases, you are likely familiar with the *dnf upgrade* plugin. This method is the recommended and supported way to upgrade from Fedora 28 to Fedora 29. Using this plugin will make your upgrade to Fedora 29 simple and easy.

1. Update software and back up your system

Before you do anything, you will want to make sure you have the latest software for Fedora 28 before beginning the upgrade process. To update your software, use *GNOME Software* or enter the following command in a terminal.

```
sudo dnf upgrade --refresh
```

Additionally, make sure you back up your system before proceeding. For help with taking a backup, see the backup series on the Fedora Magazine.

2. Install the DNF plugin

Next, open a terminal and type the following command to install the plugin:

```
sudo dnf install dnf-plugin-system-upgrade
```

3. Start the update with DNF

Now that your system is up-to-date, backed up, and you have the DNF plugin installed, you can begin the upgrade by using the following command in a terminal:

```
sudo dnf system-upgrade download --releasever=29
```

This command will begin downloading all of the upgrades for your machine locally to prepare for the upgrade. If you have issues when upgrading because of packages without updates, broken dependencies, or retired packages, add the *--allowerasing* flag when typing the above command. This will allow DNF to remove packages that may be blocking your system upgrade.

4. Reboot and upgrade

Once the previous command finishes downloading all of the upgrades, your system will be ready for rebooting. To boot your system into the upgrade process, type the following command in a terminal:

```
sudo dnf system-upgrade reboot
```

Your system will restart after this. Many releases ago, the *fedup* tool would create a new option on the kernel selection / boot screen. With the *dnf-plugin-system-upgrade* package, your system reboots into the current kernel installed for Fedora 28; this is normal. Shortly after the kernel selection screen, your system begins the upgrade process.

Now might be a good time for a coffee break! Once it finishes, your system will restart and you'll be able to log in to your newly upgraded Fedora 29 system.

Upgrade complete! Cleaning up and rebooting...

Resolving upgrade problems

On occasion, there may be unexpected issues when you upgrade your system. If you experience any issues, please visit the DNF system upgrade wiki page for more information on troubleshooting in the event of a problem.

If you are having issues upgrading and have third-party repositories installed on your system, you may need to disable these repositories while you are upgrading. For support with repositories not provided by Fedora, please contact the providers of the repositories.