Preparing Windows Machine for Dual-Boot for Fedora

Open your windows **Disk Management utility** and right-click on c: partition and select **Shrink Volume** in order to resize the partition for Fedora installation.

Give at least **20000 MB** (**20GB**) depending on the size of c: partition and hit **Shrink** to start partition resize as shown below.

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After resizing partition, you will see a new unallocated space on the hard drive. Leave it as default and reboot the system in order to proceed with the Fedora installation

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Install Fedora 32 with Windows Dual-

Boot

1. On the first step, download the <u>Fedora DVD ISO</u> image and burn it to a DVD disk or create a bootable USB flash drive using the **Fedora Media Writer** tool or other utility.

To create a bootable **Fedora USB** drive compatible with installation performed in **UEFI** mode, use <u>Rufus utility</u> or <u>Etcher</u>. Place Fedora bootable media into your machine appropriate drive, restart the machine and instruct the **BIOS** or **UEFI** firmware to boot from **DVD/USB** bootable media.

2. On the first installation screen, select Install Fedora Workstation Live32 and press [enter] key to continue.



3. After the installer loads the **Fedora Live** system, click on **Install to Hard Drive** option in order to start the installation process.



4. On the next screen, select the **language** that will be used during the installation process and hit on the **Continue** button.



5. The next screen will present you **Fedora Installation Summary** menu. First, click on the **Keyboard** menu, choose your system **keyboard layout**, and hit on the top **Done** button to complete this step and go back to the main menu, as illustrated in the below images.

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6. Next, click on the **Installation Destination** menu, check your machine hard disk and select the **Advanced Custom (Blivet-GUI)** option to configure the storage. Again, hit on the **Done** button to enter the **Blivet GUI Partitioning** program.



7. In this step, select the free space that resulted after shrinking the Windows partition will be used for installing Fedora Workstation. Select the free space and hit on the + button to create a new partition

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8. On partition settings window, enter the size of the partition, select a file system type, such as the robust ext4 file system to format the partition, add a label for this partition and use /(root) as the mount point of this partition.

When you finish hit the **OK** button to apply the new configuration. Use the same procedure to create the swap partition or other partitions for your system. In this tutorial, we'll create and install Fedora on a single partition mounted in /(root) tree and we'll configure no swap space.

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9. After you've created the partitions, review the partition table and press the top **Done** button twice to confirm configuration and hit on **Accept Changes** button from the pop-up **Summary of Changes** window to apply storage partition configurations and return to the main menu.

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10. To start the installation process, just hit on the **Begin Installation** button, as illustrated in the following image.

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11. After the installation completes, eject Fedora installation media and reboot the machine.

12. After the system boots up, follow the Fedora post-installation instructions as shown.

13. Connect online accounts to access your email accounts, contacts, documents, photos and more.

14. Next, add the name of a new user and set up a strong password for the new account.

15. Finally, your Fedora system is ready to use.

16. After reboot, you will be directed to the GRUB menu, where for 5 seconds you can choose what operating system you want the machine to boot from **Fedora** or **Windows**.

Fedora (5.6.6-300.fc32.x86_64) 32 (Thirty Two) Fedora (0-rescue-298544d8132c45928ae3a864786766a2) 32 (Thirty Two) Windows 10 (on /dev/sda1)

Use the \uparrow and \downarrow keys to change the selection. Press 'e' to edit the selected item, or 'c' for a command prompt.