

Install MiKTeX for Linux

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MiKTeX is available for selected Linux distributions.

How to install MiKTeX on Linux

Installing MiKTeX on Linux involves these steps:

1. Register the GPG key with which MiKTeX installation packages and metadata is signed. The key ID is:
D6BC243565B2087BC3F897C9277A7293F59E4889
2. Register the installation source which contains the MiKTeX installation package.
3. Use the package management system to install MiKTeX.

Ubuntu, Linux Mint

1. Register GPG key

```
sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys D6BC243565B2087BC3F897C9277A7293F59E4889
```

2. Register installation source

Ubuntu 18.04, Linux Mint 19

```
echo "deb http://miktex.org/download/ubuntu bionic universe" | sudo tee /etc/apt/sources.list.d/miktex.list
```

Ubuntu 16.04, Linux Mint 18.3

```
echo "deb http://miktex.org/download/ubuntu xenial universe" | sudo tee /etc/apt/sources.list.d/miktex.list
```

3. Install MiKTeX

```
sudo apt-get update
sudo apt-get install miktex
```

Debian 9

1. Register GPG key

```
sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys D6BC243565B2087BC3F897C9277A7293F59E4889
```

2. Register installation source

```
echo "deb http://miktex.org/download/debian stretch universe" | sudo tee /etc/apt/sources.list.d/miktex.list
```

3. Install MiKTeX

```
sudo apt-get update  
sudo apt-get install miktex
```

Fedora 28

1. Register GPG key

```
sudo rpm --import "https://keyserver.ubuntu.com/pks/lookup?op=get&search=0xD6BC243565B2087BC3F897C9277A7293F59E4889"
```

2. Register installation source

```
sudo curl -L -o /etc/yum.repos.d/miktex.repo https://miktex.org/download/fedora/28/miktex.repo
```

3. Install MiKTeX

```
sudo dnf update  
sudo dnf install miktex
```

openSUSE Leap 15

1. Register GPG key

```
sudo rpm --import "https://keyserver.ubuntu.com/pks/lookup?op=get&search=0xD6BC243565B2087BC3F897C9277A7293F59E4889"
```

2. Register installation source

```
sudo curl -L -o /etc/zypp/repos.d/miktex.repo https://miktex.org/download/opensuse/15/miktex.repo
```

3. Install MiKTeX

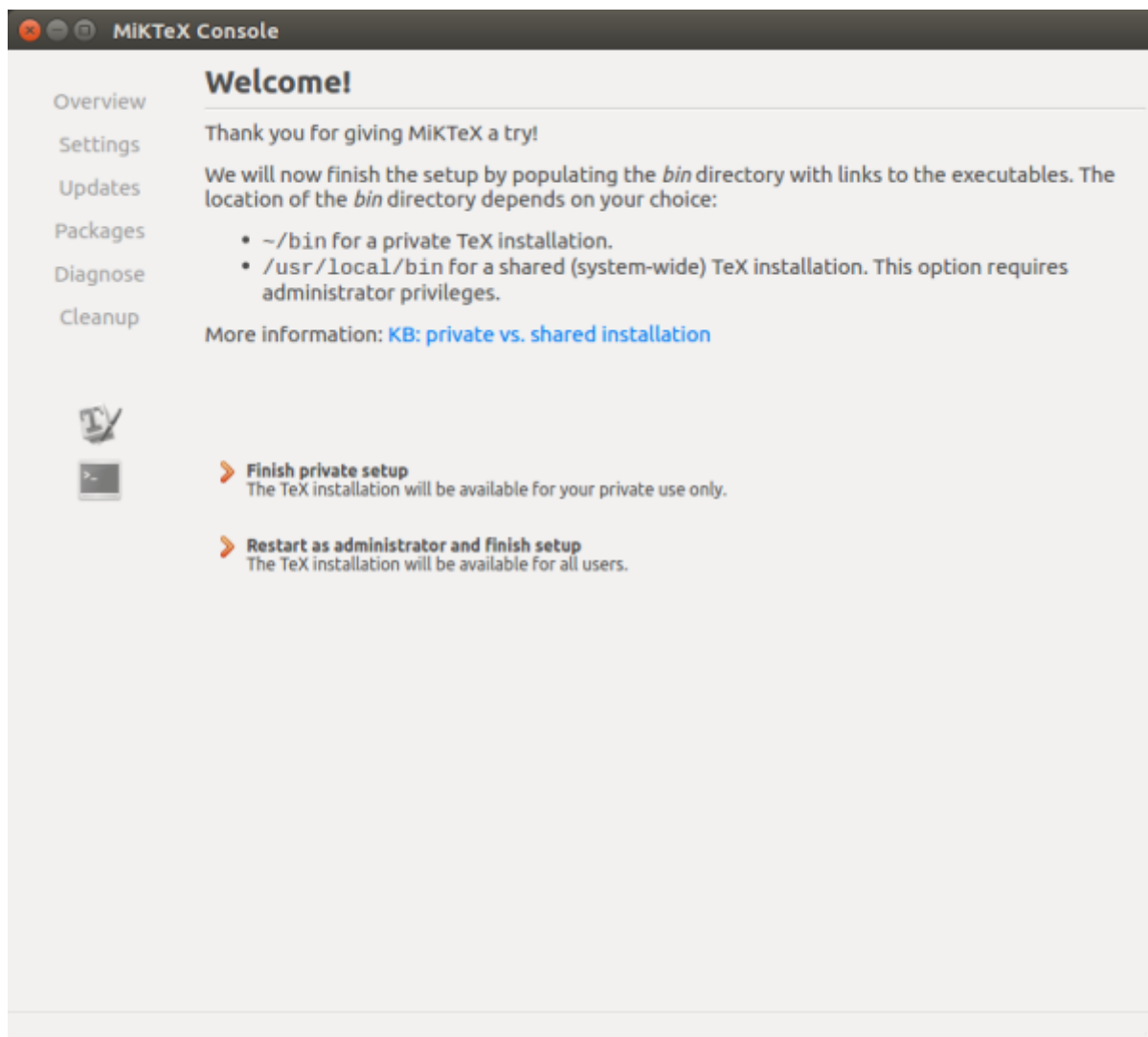
```
sudo zypper update  
sudo zypper install miktex
```

Finishing the setup

Before you can use MiKTeX, you have to finish the setup. You can use MiKTeX Console or, if you prefer the command line, `miktexsetup`.

Start MiKTeX Console to finish the setup

Search&click the `MiKTeX Console` icon to start MiKTeX Console:



Now is the time to make a decision:

Do you want to set up a private (for you only) TeX installation, or do you want to set up a shared (system-wide) TeX installation?

You probably want to choose the first option.

The second option makes sense if you are the administrator of a multi-user system. If this is the case and if you expect that some of your users would like to work with MiKTeX, then you should install MiKTeX system-wide.

Click one of the two buttons if you have made your decision.

Run `miktexsetup` to finish the setup

Run

```
miktexsetup finish
```

to finish with a private (for you only) TeX installation. Executables like `lualatex` will be installed in `~/bin`.

Run

```
sudo miktexsetup --shared=yes finish
```

to finish with a shared (system-wide) TeX installation. Executables like `lualatex` will be installed in `/usr/local/bin`.

You also may want to enable automatic package installation:

```
initexmf --set-config-value [MPM]AutoInstall=1
```

Or, if you have a shared installation:

```
sudo initexmf --admin --set-config-value [MPM]AutoInstall=1
```

Upgrade option

If you have just installed MiKTeX, then you have the option to upgrade your installation to a standard TeX system. Just click the [Upgrade](#) button. Please be aware that this starts a ~200MB download.

Alternatively, you can turn on the auto-install feature and let MiKTeX install missing packages on-the-fly. This will help you to keep your TeX installation as minimal as possible (“Just enough TeX” ([/kb/just-enough-tex](#))).

See also

FAQ: Is it possible to install MiKTeX and TeX Live side-by-side? ([/faq/miktex-and-texlive](#))

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