Ubuntu

Installing WineHQ packages

**If you have previously installed a Wine package from another repository, please remove it and any packages that depend on it (e.g., wine-mono, wine-gecko, winetricks) before attempting to install the WineHQ packages, as they may cause dependency conflicts.**

If your system is 64 bit, enable 32 bit architecture (if you haven't already):

sudo dpkg --add-architecture i386

Add the repository:

wget -nc <https://dl.winehq.org/wine-builds/Release.key>

sudo apt-key add Release.key

sudo apt-add-repository <https://dl.winehq.org/wine-builds/ubuntu/>

Dialog-warning.svg *On Linux Mint 17.x, the last line should be the following:*

sudo apt-add-repository 'deb <https://dl.winehq.org/wine-builds/ubuntu/> trusty main'

Dialog-warning.svg *On Linux Mint 18.x, the last line should be the following:*

sudo apt-add-repository 'deb <https://dl.winehq.org/wine-builds/ubuntu/> xenial main'

Update packages:

sudo apt-get update

Then install **one of the following packages**:

|  |  |
| --- | --- |
| **Stable branch** | sudo apt-get install --install-recommends winehq-stable |
| **Development branch** | sudo apt-get install --install-recommends winehq-devel |
| **Staging branch** | sudo apt-get install --install-recommends winehq-staging |

If apt-get complains about missing dependencies, install them, then repeat the last two steps (update and install).

**If you have previously used the distro packages, you will notice some differences in the WineHQ ones:**

* Files are installed to /opt/wine-devel.
* Menu items are not created for Wine's builtin programs (winecfg, etc.), and if you are upgrading from a distro package that had added them, they will be removed. You can recreate them yourself using your menu editor.
* Binfmt\_misc registration is not added. Consult your distro's documentation for [update-binfmts](http://manpages.ubuntu.com/manpages/jaunty/man8/update-binfmts.8.html) if you wish to do this manually.
* WineHQ does not at present package wine-gecko or wine-mono. When creating a new wine prefix, you will be asked if you want to download those components. For best compatibility, it is recommended to click Yes here. If the download doesn't work for you, please follow the instructions on the [Gecko](http://wiki.winehq.org/Gecko) and [Mono](http://wiki.winehq.org/Mono) wiki pages to install them manually.

Installing without Internet

To install Wine on an Ubuntu machine without internet access, you must have access to a second Ubuntu machine (or VM) with an internet connection to download the Wine .deb package and its dependencies.

The procedure goes like this: On the machine with internet, add the WineHQ PPA, then cache just the necessary packages without actually extracting them:

sudo add-apt-repository ppa:wine/wine-builds

sudo apt-get update

Then cache just the packages necessary for installing wine, without extracting them:

sudo apt-get clean

sudo apt-get --download-only install winehq-devel

sudo apt-get --download-only dist-upgrade

Copy all of the .deb files in /var/cache/apt/archives to a USB stick:

cp -R /var/cache/apt/archives/ /media/usb-drive/deb-pkgs/

Finally, on the machine without internet, install all of the packages from the flash drive:

cd /media/usb-drive/deb-pkgs

sudo dpkg -i \*.deb

The same instructions can also be used for an offline installation of the `winehq-staging` packages.

Compiling WoW64

Ubuntu's implementation of [Multiarch](https://wiki.winehq.org/Multiarch) is still incomplete, so for now you can't simply install 32-bit and 64-bit libraries alongside each other. If you're on a 64-bit system, you'll have to create an isolated environment for installing and building with 32-bit dependencies. See [Building Biarch Wine On Ubuntu](https://wiki.winehq.org/Building_Biarch_Wine_On_Ubuntu) for detailed instructions for Ubuntu using LXC, and [Building Wine](https://wiki.winehq.org/Building_Wine) for general information.

See Also

* [Official WineHQ packages](https://dl.winehq.org/wine-builds/ubuntu/pool/main/).
* [Building Biarch Wine On Ubuntu](https://wiki.winehq.org/Building_Biarch_Wine_On_Ubuntu)
* [Building Wine](https://wiki.winehq.org/Building_Wine)
* [Packaging](https://wiki.winehq.org/Packaging)
* [Multiarch](https://wiki.winehq.org/Multiarch) in Wine build dependencies

[Category](https://wiki.winehq.org/Special:Categories):

* [Distributions](https://wiki.winehq.org/Category:Distributions)

https://wiki.winehq.org/Ubuntu