

Keepass2

Main Windows Download link (Pro version) can be found here:

<http://keepass.info/download.html>

(consider native cross-platform alternative <https://keepassxc.org/>)

It can be installed under ubuntu/mint using

```
sudo add-apt-repository ppa:ubuntuhandbook1/keepass2
sudo apt update
sudo apt-get install keepass2 ca-certificates
```

Note JTaylor's PPA appears to be outdated as of July 2022 with Keepass at 2.45 where 2.51.1 is available.

```
sudo add-apt-repository ppa:jtaylor/keepass
sudo apt update
sudo apt-get install keepass2 ca-certificates
```

Uninstall instructions:

```
sudo apt remove --autoremove keepass2
sudo add-apt-repository --remove ppa:ubuntuhandbook1/keepass2
sudo add-apt-repository --remove ppa:jtaylor/keepass
```

Due to a bug with mono and Tray Icons of WinForms applications, the tray icon does not work and only displays a black square with no functionality. To fix this, the following repository and gtk tray icon plugin needs to be installed on Mint (details <https://github.com/dlech/Keebuntu#classic-tray-icon>):

```
sudo apt-add-repository ppa:dlech/keepass2-plugins
sudo apt-get update
sudo apt-get install keepass2-plugin-tray-icon
```

Plugins are compiled using mono to a native format. The plugin folder is

```
/usr/lib/keepass2/Plugins
```

Manual update to latest Windows version

The keepass2 PPAs have not been updated for quite a while. To use the latest version, follow these instructions (after installing the PPA version):

- Download the portable version zip file from Official link <https://keepass.info/download.html>
- Close the KeePass2 application
- Make a copy of the /usr/lib/keepass2 folder as backup

- Unzip the portable version and copy the file KeePass.exe to /usr/lib/keepass2 as root

Plugins under Linux

Keepass compiles plugins and requires the complete mono environment in order to do this.

```
apt-get install mono-complete
```

Once plugins are copied into the /usr/lib/keepass2 directory, ensure to chmod 666 the plugin file.

for the googlesync plugin, the following is required:

download sync plugin, then extract the zip from

http://sourceforge.net/projects/kp-googlesync/?source=typ_redirect

```
sudo cp GoogleSyncPlugin.plgx /usr/lib/keepass2
sudo apt-get install liblog4net1.2-cil
sudo cp /usr/lib/cli/log4net-1.2/log4net.dll /usr/lib/keepass2
sudo cp /usr/lib/mono/2.0/System.ServiceModel.Web.dll /usr/lib/keepass2
possibly also required is the import of the mozilla root certificates:
mozroots --import --sync
```

Google Drive Sync

```
apt install golang
```

```
vi ~/.bashrc
```

```
export GOPATH=$HOME/gopath
```

```
export PATH=$GOPATH:$GOPATH/bin:$PATH
```

```
source ~/.bashrc
```

```
go get -u github.com/odeke-em/drive/cmd/drive
```

```
mkdir ~/gdrive
```

```
drive init ~/gdrive
```

open url, log into google, authorise drive, copy and paste authorization code.

```
cd ~/gdrive
```

```
drive pull Wulf.kdbx
```

```
mkdir ~/KeePass/
```

```
vi ~/KeePass/keepass_trigger_load.sh
```

```
#!/bin/bash
cd ~/gdrive
drive pull -ignore-conflict -quiet Wulf.kdbx
```

vi ~/keepass_trigger_save.sh:

```
#!/bin/bash
cp ~/KeePass/Wulf.kdbx ~/gdrive
cd ~/gdrive
drive push -ignore-conflict -quiet Wulf.kdbx

chmod 777 keepass_trigger_*.sh
```

Keepass Trigger Config "Save to Google Drive" / "Load from Google Drive". Copy the xml to clipboard, then in Keepass go to tools → triggers → tools → Paste from clipboard. Adjust the paths in the triggers.

```
<?xml version="1.0" encoding="utf-8"?>
<TriggerCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Triggers>
    <Trigger>
      <Guid>DWgF+SL63U+GAsBJQXhahg==</Guid>
      <Name>Save to Google Drive</Name>
      <Comments>When the local copy is saved, the server copy will be
pulled and synchronized with the local copy. The local copy will then be
copied to the local Google Drive folder and pushed to the server.</Comments>
      <Events>
        <Event>
          <TypeGuid>s6j9/ngTSmqcXdW6hDqbjg==</TypeGuid>
          <Parameters>
            <Parameter>0</Parameter>
            <Parameter>/home/wuff/KeePass/Wulf.kdbx</Parameter>
          </Parameters>
        </Event>
      </Events>
      <Conditions />
      <Actions>
        <Action>
          <TypeGuid>tkamn96US7mbrjykwQ6g==</TypeGuid>
          <Parameters>
            <Parameter />
            <Parameter>0</Parameter>
          </Parameters>
        </Action>
        <Action>
          <TypeGuid>2uX40wcwTB0e7y66y27kxw==</TypeGuid>
          <Parameters>
            <Parameter>/home/wuff/KeePass/keepass_trigger_load.sh</Parameter>
            <Parameter />
            <Parameter>True</Parameter>
```

```
        <Parameter>0</Parameter>
        <Parameter />
    </Parameters>
</Action>
<Action>
    <TypeGuid>Iq135Bd4Tu2ZtFcdAr0tTQ==</TypeGuid>
    <Parameters>
        <Parameter>/home/wuff/gdrive/Wulf.kdbx</Parameter>
        <Parameter />
        <Parameter />
    </Parameters>
</Action>
<Action>
    <TypeGuid>2uX40wcwTB0e7y66y27kxw==</TypeGuid>
    <Parameters>
<Parameter>/home/wuff/KeePass/keepass_trigger_save.sh</Parameter>
        <Parameter />
        <Parameter>False</Parameter>
        <Parameter>0</Parameter>
        <Parameter />
    </Parameters>
</Action>
<Action>
    <TypeGuid>tkamn96US7mbrjykwQ6g==</TypeGuid>
    <Parameters>
        <Parameter />
        <Parameter>1</Parameter>
    </Parameters>
</Action>
</Actions>
</Trigger>
<Trigger>
    <Guid>P0hA77GdHU6Hy6Pwl7pf/w==</Guid>
    <Name>Load from Google Drive</Name>
    <Comments>When the local copy is opened, the server copy will be
pulled and synchronized with the local copy.</Comments>
    <Events>
        <Event>
            <TypeGuid>5f8TBoW4QYm5BvaeKztApw==</TypeGuid>
            <Parameters>
                <Parameter>0</Parameter>
                <Parameter>/home/wuff/KeePass/Wulf.kdbx</Parameter>
            </Parameters>
        </Event>
    </Events>
    <Conditions />
    <Actions>
        <Action>
            <TypeGuid>tkamn96US7mbrjykwQ6g==</TypeGuid>
            <Parameters>
                <Parameter />
```

```
        <Parameter>0</Parameter>
      </Parameters>
    </Action>
    <Action>
      <TypeGuid>2uX40wcwTB0e7y66y27kxw==</TypeGuid>
      <Parameters>
<Parameter>/home/wuff/KeePass/keepass_trigger_load.sh</Parameter>
        <Parameter />
        <Parameter>True</Parameter>
        <Parameter>0</Parameter>
        <Parameter />
      </Parameters>
    </Action>
    <Action>
      <TypeGuid>Iq135Bd4Tu2ZtFcdAr0tTQ==</TypeGuid>
      <Parameters>
        <Parameter>/home/wuff/gdrive/Wulf.kdbx</Parameter>
        <Parameter />
        <Parameter />
      </Parameters>
    </Action>
    <Action>
      <TypeGuid>tkamn96US7mbrjykw06g==</TypeGuid>
      <Parameters>
        <Parameter />
        <Parameter>1</Parameter>
      </Parameters>
    </Action>
  </Actions>
</Trigger>
</Triggers>
</TriggerCollection>
```

Install Keepass2

Keepass2 is available in the regular debian repositories.

```
sudo apt-get install keepass2 ca-certificates-mono
```

For the Google Sync Plugin, download it from <http://keepass.info>, then extract the zip file and copy the plgx file into the keepass plugins folder:

```
sudo cp GoogleSyncPlugin.plgx /usr/lib/keepass2/Plugins/
sudo chmod 666 /usr/lib/keepass2/Plugins/GoogleSyncPlugin.plgx
```

Google Sync Plugin full install

```
cd /tmp
wget wget
https://sourceforge.net/projects/kp-gogglesync/files/GoogleSyncPlugin-2.x/GoogleSyncPlugin-2.1.2.zip
unzip GoogleSyncPlugin-2.1.2.zip
unzip GoogleSyncPlugin-2.1.2.zip GoogleSyncPlugin.plgx
rm GoogleSyncPlugin-2.1.2.zip
sudo mkdir -p /usr/lib/keepass2/Plugins/
sudo mv GoogleSyncPlugin.plgx /usr/lib/keepass2/Plugins/
sudo chmod 666 /usr/lib/keepass2/Plugins/GoogleSyncPlugin.plgx

wget
http://mirror.vorboss.net/apache//logging/log4net/binaries/log4net-2.0.8-bin-newkey.zip
unzip log4net-2.0.8-bin-newkey.zip
sudo cp log4net-2.0.8/bin/mono/2.0/release/log4net.dll /usr/lib/keepass2/
sudo chown root:root /usr/lib/keepass2/log4net.dll
sudo chmod 644 /usr/lib/keepass2/log4net.dll
sudo cp /usr/lib/mono/2.0/System.ServiceModel.Web.dll /usr/lib/keepass2/
sudo chmod 644 /usr/lib/keepass2/System.ServiceModel.Web.dll
```

set google sync plugin to sync both on saving and opening

From:

<http://wuff.dyndns.org/> - **Wulf's Various Things**

Permanent link:

<http://wuff.dyndns.org/doku.php?id=config:keepass&rev=1657806766>

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