

# Keepass2

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

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

It can be installed under linux using

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

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/Keepass2-plugins>):

```
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
```

## 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](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>tkamn96US7mbrjykwfswQ6g==</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>tkamn96US7mbrjykwfswQ6g==</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/Go  
ogleSyncPlugin-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=1595626675>

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