

# Keepass2

KeePass is a the free, open source, light-weight and easy-to-use password manager/password safe.

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
```

Uninstall instructions:

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

## Keepass2.exe.config error

```
sudo apt-get install mono-utils
monodis --assembly /usr/lib/keepass2/KeePass.exe | grep Version | sed
's|Version:\ *\[0-9\.]*\$|\1|'
sudo vi /usr/lib/keepass2/KeePass.exe.config
#replace newVersion number in file
```

Oneliner:

```
sudo sed -i 's/newVersion="\([0-9\.]*\)"/newVersion='${monodis --assembly
/usr/lib/keepass2/KeePass.exe | grep Version | sed 's|Version:\
*\([0-9\.]*\)\$|\\"1|'}'\"/' /usr/lib/keepass2/KeePass.exe.config
```

Auto patching of config file, create shell script and apt pre-inst hook (no post inst hook available as per

<https://askubuntu.com/questions/869219/how-can-i-run-a-script-after-a-specific-package-is-upgraded>):

[/usr/local/bin/fix-keepass2-config.sh](#)

```
#!/bin/bash
if grep -q keepass2
then
    if [ ! -f /usr/bin/monodis ]
    then
        echo "monodis is required to fix the keepass2 config file."
        echo "Please install it via apt-get install mono-utils"
        exit 1
    else
        echo "Scheduling config update for keepass2 in 5 minutes..."
        (
            sleep 300;
            sed -i 's/newVersion="\([0-9\.]*\)"/newVersion='${monodis --
```

```
assembly /usr/lib/keepass2/KeePass.exe | grep Version | sed
's|Version:\ *\[0-9\.\]*\$|\\"1|'|'\\"/'
/usr/lib/keepass2/KeePass.exe.config
) &
fi
fi
```

[/etc/apt/apt.conf.d/99-keepass2-hook](#)

```
DPkg::Pre-Install-Pkgs {"/usr/local/bin/fix-keepass2-config.sh";};
DPkg::Tools::Options::/usr/local/bin/fix-keepass2-config.sh::Version
"1";
```

```
sudo chmod 755 /usr/local/bin/fix-keepass2-config.sh
```

## 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](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/ngT5mqcXdW6hDqbjg==</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>2uX40wcwTB0e7y66y27kxw==</TypeGuid>
      <Parameters>
<Parameter>/home/wuff/KeePass/keepass_trigger_save.sh</Parameter>
        <Parameter />
        <Parameter>False</Parameter>
        <Parameter>0</Parameter>
        <Parameter />
      </Parameters>
    </Action>
    <Action>
      <TypeGuid>tkamn96US7mbrjykwfswQ6g==</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>tkamn96US7mbrjykwQ6g==</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=1677584250>

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