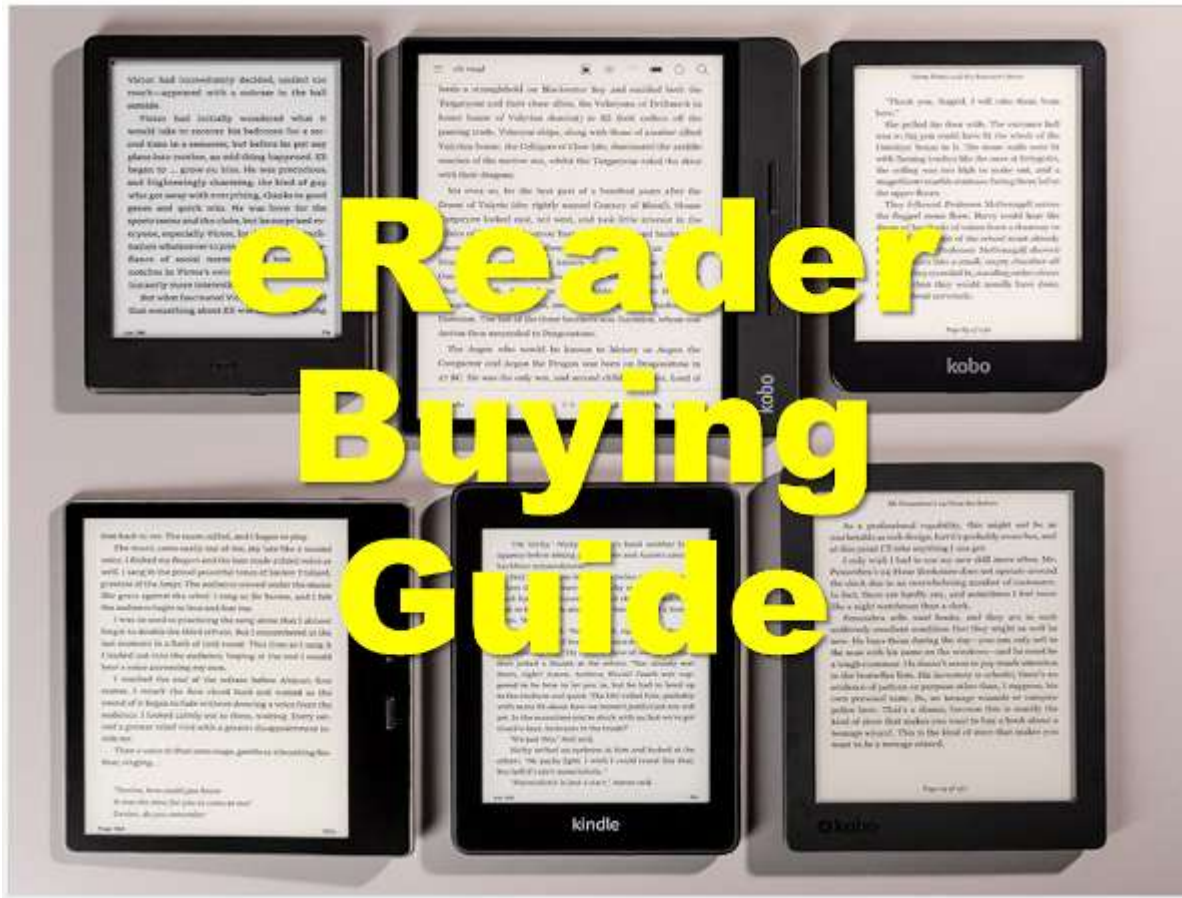




Q&A

**Alan German & Chris Taylor
Ottawa PC Users' Group**



The final episode (so far!) By Bob Walker



Follow-up

UnxUtils

Wikipedia

List/descriptions of utilities

<https://en.wikipedia.org/wiki/UnxUtils>



SourceForge

Download *UnxUtils.zip* (3.3 KB)

<https://sourceforge.net/projects/unxutils/>





D:\UnxUtils

DataDisk (D:) > UnxUtils > usr > local > wbin

<input type="checkbox"/> Name	Date modified	Type	Size
agrep.exe	2021-03-18 9:59 AM	Application	144 KB
ansi2knr.exe	2021-03-18 9:59 AM	Application	6 KB
basename.exe	2021-03-18 9:59 AM	Application	8 KB
bc.exe	2021-03-18 9:59 AM	Application	52 KB
bison.exe	2021-03-18 9:59 AM	Application	81 KB
bunzip2.exe	2021-03-18 9:59 AM	Application	74 KB
bzip2.exe	2021-03-18 9:59 AM	Application	76 KB
bzip2recover.exe	2021-03-18 9:59 AM	Application	8 KB
cat.exe	2021-03-18 9:59 AM	Application	22 KB
chgrp.exe	2021-03-18 9:59 AM	Application	24 KB
chmod.exe	2021-03-18 9:59 AM	Application	22 KB
chown.exe	2021-03-18 9:59 AM	Application	23 KB
cksum.exe	2021-03-18 9:59 AM	Application	20 KB

D:\UnxUtils\usr\local\wbin



Contribute

Tools

Print/export

UnxUtils

From Wikipedia, the free encyclopedia

UnxUtils is a collection of ports of common GNU Unix-like utilities to native Win32, with executables only depending on the Microsoft C-runtime msvcrt.dll. The collection was last updated externally on April 15, 2003 by [Karl M. Syring](#). The most recent release package available as of December 2016 was an open-source project, [UnxUtils](#) at SourceForge, with the latest binary release in March, 2007 (though the files within are dated from the year 2000). The independent distribution included a main zip archive (UnxUtils.zip, 3,365,638 bytes) complemented by more recent updates (UnxUpdates.zip, 878,847 bytes, brought some binaries up to year 2003), but the Sourceforge project has no UnxUpdates.zip package. An alternative source of Unix-like utilities for Windows is [GnuWin32](#); it has later versions of many programs, but requires supporting files (e.g. DLLs) in many cases.

The utilities included are:

- [agrep.exe](#)
- [ansi2knr.exe](#)
- [basename.exe](#)
- [bc.exe](#)
- [bison.exe](#)
- [bunzip2.exe](#)
- [bzip2.exe](#)
- [bzip2recover.exe](#)
- [cat.exe](#)
- [chgrp.exe](#)
- [chmod.exe](#)
- [chown.exe](#)
- [cksum.exe](#)
- [cmp.exe](#)
- [comm.exe](#)
- [compress.exe](#)
- [cp.exe](#)
- [csplit.exe](#)
- [cut.exe](#)
- [date.exe](#)
- [dc.exe](#)
- [dd.exe](#)
- [df.exe](#)
- [diff.exe](#)
- [diff3.exe](#)
- [dircolors.exe](#)
- [dirname.exe](#)
- [du.exe](#)
- [echo.exe](#)
- [egrep.exe](#)
- [env.exe](#)
- [expand.exe](#)
- [expr.exe](#)
- [factor.exe](#)
- [fgrep.exe](#)
- [find.exe](#)
- [flex.exe](#)
- [fmt.exe](#)
- [fold.exe](#)
- [fsplit.exe](#)
- [gawk.exe](#)
- [gclip.exe](#)
- [gplay.exe](#)
- [grep.exe](#)
- [gsar.exe](#)
- [gunzip.exe](#)
- [gzip.exe](#)
- [head.exe](#)
- [id.exe](#)
- [indent.exe](#)
- [install.exe](#)
- [join.exe](#)
- [jwhois.exe](#)
- [less.exe](#)
- [lesskey.exe](#)
- [ln.exe](#)
- [logname.exe](#)
- [ls.exe](#)
- [m4.exe](#)
- [make.exe](#)
- [makedepend.exe](#)
- [makemsg.exe](#)
- [man.exe](#)
- [md5sum.exe](#)
- [mkdir.exe](#)
- [mkfifo.exe](#)
- [mknod.exe](#)
- [mv.exe](#)
- [mvdir.exe](#)
- [nl.exe](#)
- [od.exe](#)
- [paste.exe](#)
- [patch.exe](#)
- [pathchk.exe](#)
- [pclip.exe](#)
- [pr.exe](#)
- [printenv.exe](#)
- [printf.exe](#)
- [ptx.exe](#)
- [pwd.exe](#)
- [recode.exe](#)
- [rm.exe](#)
- [rman.exe](#)
- [rmdir.exe](#)
- [sdiff.exe](#)
- [sed.exe](#)
- [seq.exe](#)
- [sh.exe](#)
- [sha1sum.exe](#)
- [shar.exe](#)
- [sleep.exe](#)
- [sort.exe](#)
- [split.exe](#)
- [stego.exe](#)
- [su.exe](#)
- [sum.exe](#)
- [sync.exe](#)
- [tac.exe](#)
- [tail.exe](#)
- [tar.exe](#)
- [tee.exe](#)
- [test.exe](#)
- [tr.exe](#)
- [tsort.exe](#)
- [type.exe](#)
- [uname.exe](#)
- [unexpand.exe](#)
- [uniq.exe](#)
- [unrar.exe](#)
- [unshar.exe](#)
- [unzip.exe](#)
- [uudecode.exe](#)
- [uuencode.exe](#)
- [wc.exe](#)
- [wget.exe](#)
- [which.exe](#)
- [whoami.exe](#)
- [xargs.exe](#)
- [yes.exe](#)
- [zcat.exe](#)
- [zip.exe](#)
- [zsh.exe](#)

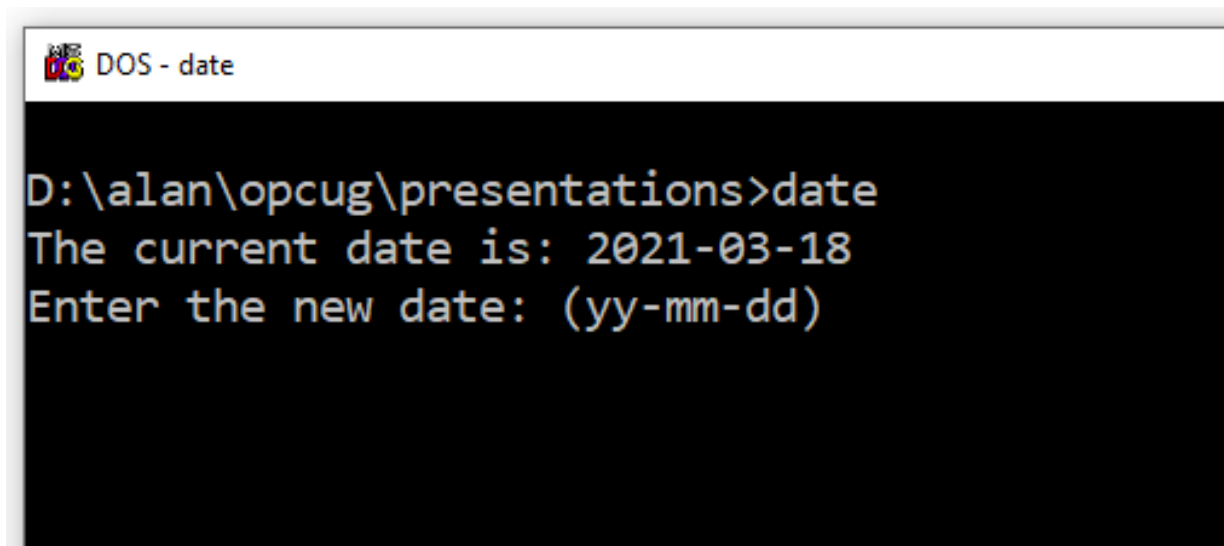
Program	Notes
agrep.exe	got it from here: http://www.tgries.de/agrep/
ansi2knr.exe	
basename.exe	
bison.exe	
bzip2.exe	Julian Sowards alternative compressor
bunzip2.exe	
bzip2recover.exe	
cat.exe	
chgrp.exe	dummy
chmod.exe	
chown.exe	dummy
cksum.exe	
cmp.exe	
comm.exe	

Chown is a Unix/Linux command to change the ownership of a file

In Windows, you would do this, as an Administrator, through the GUI or using the *takeown* command

csplit.exe	
cut.exe	
date.exe	
dd.exe	
df.exe	dummy
diff.exe	
diff3.exe	
dirname.exe	

Display/set the date and time
BUT, the same command exists in Windows

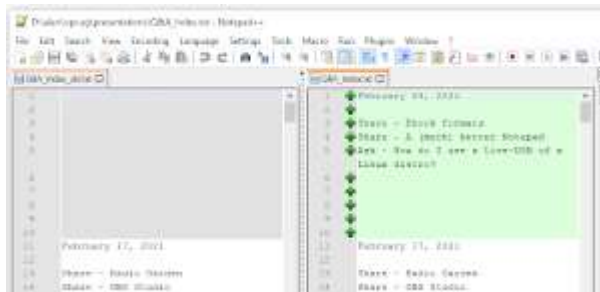


```
DOS - date
D:\alan\opcug\presentations>date
The current date is: 2021-03-18
Enter the new date: (yy-mm-dd)
```

csplit.exe	
cut.exe	
date.exe	
dd.exe	
df.exe	dummy
diff.exe	
diff3.exe	
dirname.exe	

Compare files line by line

N.B. Previously, I showed how to do this using the Compare plugin for Notepad++



**Share - A (much) better Notepad
Q&A Recordings - February 24, 2021**
<https://opcug.ca/qa-recordings/>


```
D:\alan\opcug\presentations>diff --help
```

```
Usage: diff [OPTION]... FILE1 FILE2
```

```
-i --ignore-case Consider upper- and lower-case to be the same.
-w --ignore-all-space Ignore all white space.
-b --ignore-space-change Ignore changes in the amount of white space.
-B --ignore-blank-lines Ignore changes whose lines are all blank.
-I RE --ignore-matching-lines=RE Ignore changes whose lines all match RE.
--binary Read and write data in binary mode.
-a --text Treat all files as text.

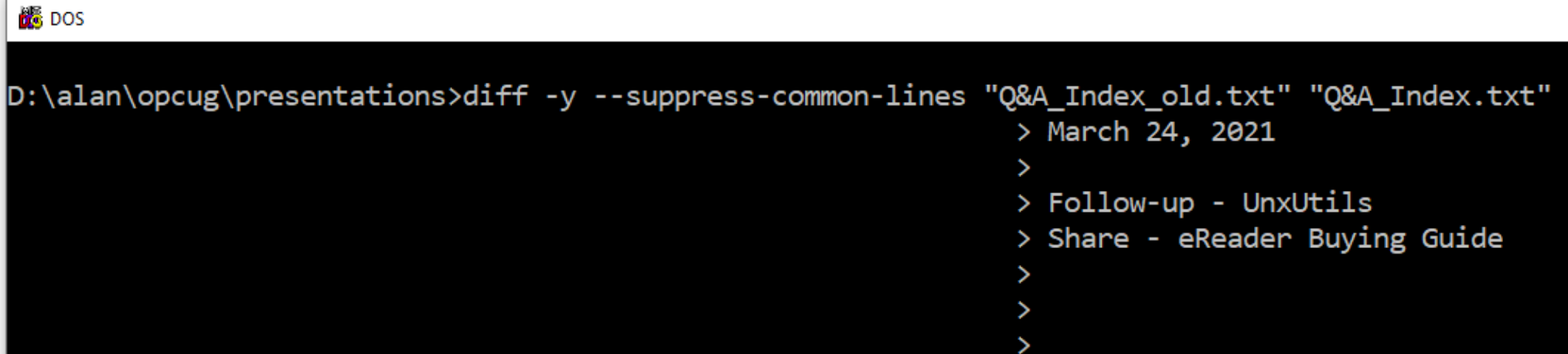
-c -C NUM --context[=NUM] Output NUM lines of context.
-u -U NUM --unified[=NUM] Output NUM lines of unified diff.
    -NUM Use NUM context lines.
-L LABEL --label LABEL Use LABEL instead of FILE names.
-p --show-c-function Show which C function each change is in.
-F RE --show-function-line=RE Show the most recent line matching RE.
-q --brief Output only whether files differ.
-e --ed Output an ed script.
-n --rcs Output an RCS format diff.
-y --side-by-side Output in two columns.
    -w NUM --width=NUM Output at most NUM (default 130) characters per line.
    --left-column Output only the left column of common lines.
    --suppress-common-lines Do not output common lines.
-DNAME --ifdef=NAME Output merged file to show `#ifdef NAME' diffs.
--GTYPE-group-format=GFMT Similar, but format GTYPE input groups with GFMT.
--line-format=LFMT Similar, but format all input lines with LFMT.
--LTYPE-line-format=LFMT Similar, but format LTYPE input lines with LFMT.
```

Tons of options!

Diff `-y --suppress-common-lines file1 file2`

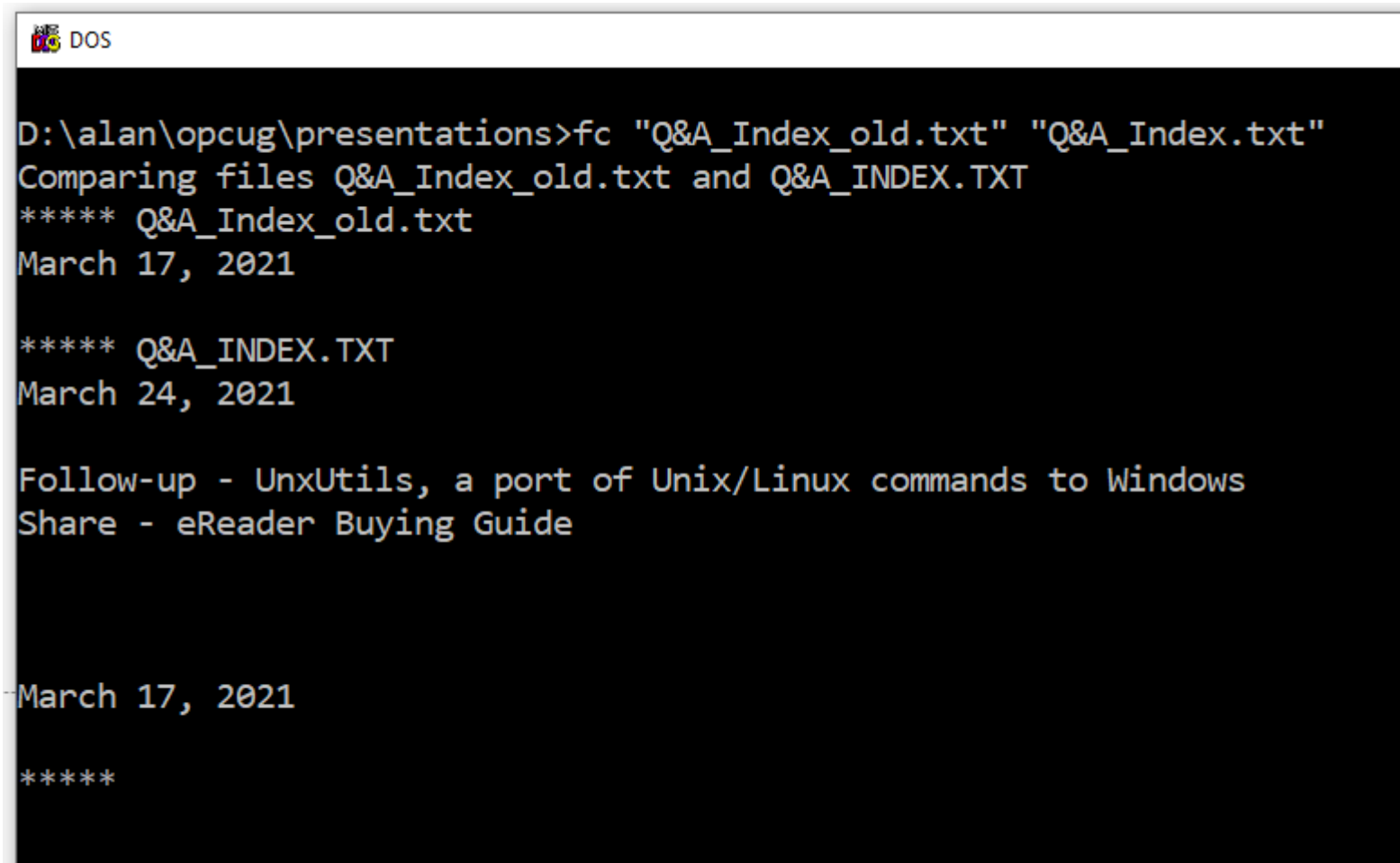
-y Output in two columns

--suppress-common-lines



```
DOS
D:\alan\opcug\presentations>diff -y --suppress-common-lines "Q&A_Index_old.txt" "Q&A_Index.txt"
> March 24, 2021
>
> Follow-up - UnxUtils
> Share - eReader Buying Guide
>
>
>
```

BUT, Windows has the *fc* (file compare) command:



```
DOS
D:\alan\opcug\presentations>fc "Q&A_Index_old.txt" "Q&A_Index.txt"
Comparing files Q&A_Index_old.txt and Q&A_INDEX.TXT
***** Q&A_Index_old.txt
March 17, 2021

***** Q&A_INDEX.TXT
March 24, 2021

Follow-up - UnxUtils, a port of Unix/Linux commands to Windows
Share - eReader Buying Guide

March 17, 2021

*****
```

touch.exe

DataDisk (D:)

Name



StrongBox

Date modified

2021-03-18 10:11 PM

touch.exe

DataDisk (D:)

<input type="checkbox"/> Name	Date modified
<input type="checkbox"/> StrongBox	2021-03-18 10:11 PM

```
DOS
D:\>touch StrongBox
D:\>
```

DataDisk (D:)

<input type="checkbox"/> Name	Date modified
<input type="checkbox"/> StrongBox	2021-03-19 8:54 AM

BUT, the same effect can be obtained using Windows' commands

cmd.exe

`copy /b StrongBox +,,`



PowerShell

`$(Get-Item StrongBox).lastwritetime=$(Get-Date)`





Command Prompt

App



DOS

```
D:\>copy /b StrongBox +,,  
1 file(s) copied.
```

```
D:\>
```

DataDisk (D:)



Name



Date modified



StrongBox

2021-03-19 9:01 AM



Windows PowerShell

App



Windows PowerShell

```
PS D:\> $(Get-Item StrongBox).lastwritetime=$(Get-Date)
>>
PS D:\>
```

DataDisk (D:)



Name



Date modified



StrongBox

2021-03-19 9:06 AM

UnxUtils

- 118 utilities
- Multiple, powerful options
- Most can be reproduced using native Windows commands/apps (e.g. Notepad++ find/Search, diff/Compare)
- Unix utilities are “elegant” (e.g. touch vs. PowerShell)



Two Good to Miss!

- Join OPCUG before March 31st
- Pay the annual membership fee of \$20.00
- Receive a free-year's membership

**Two years for
the price of one!**

<https://opcug.ca/join-or-renew/>



A better KeePass Android port

- *Keeping passwords safe* (2021-03-10)
 - to sync KeePass password database to Android devices
 - recommended KeePassDroid
 - it works...
 - but I found something better

Thanks to Michele Le Saux!

- pointed out lack of attachment support
- we *both* found same better solution

Why *not* KeePassDroid

- No file attachment support
 - *oops, I thought I had tested this!*
- Automatic synchronization
 - somewhat difficult/tedious setup
 - different for every cloud service
 - showed how to use with Google Drive
- Somewhat ugly user interface
- But it did work (*outside of attachments!*)

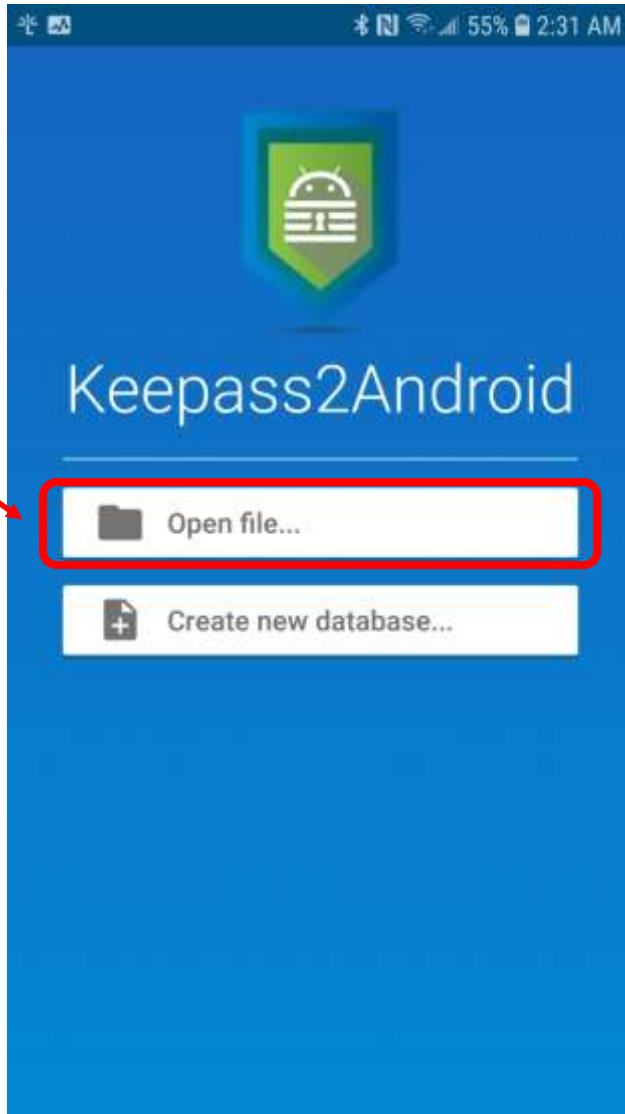
Keepass2Android

- Better looking interface
- Supports file attachments
- Synchronization
 - manually with a local file
 - as shown with KeePassDroid (pretty simple)
 - manual setup - syncing with Google Drive
 - as shown with KeePassDroid (tedious one-time operation)
 - automatic synchronization
 - **easy to set up!**
 - **works with many cloud services!**

Follow-up

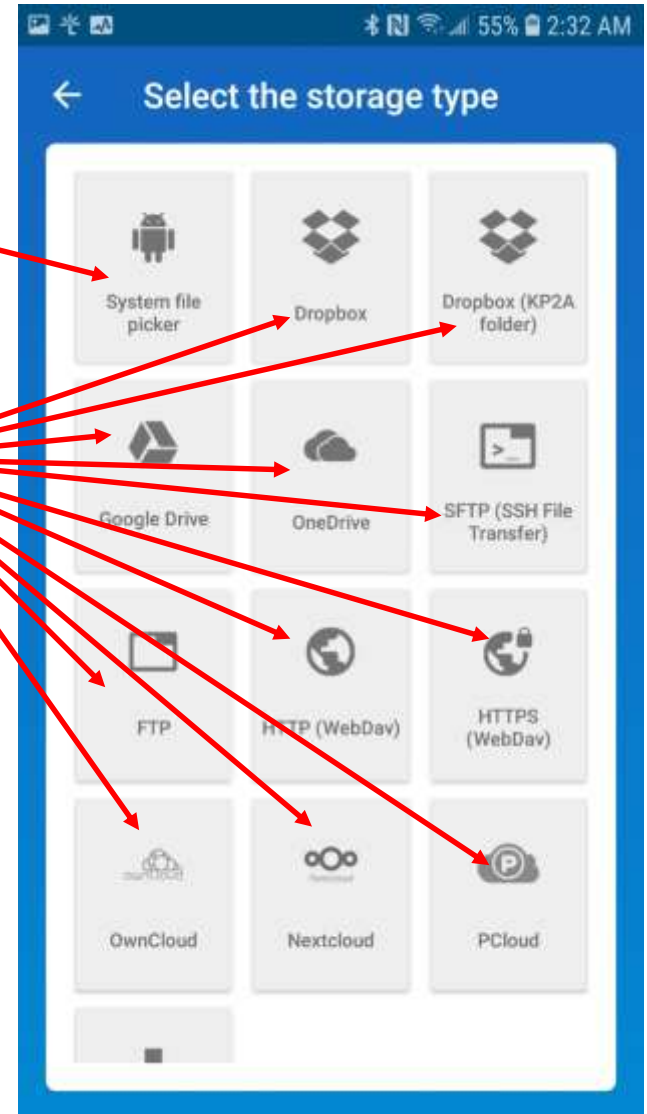
Cloud sync

Open file...



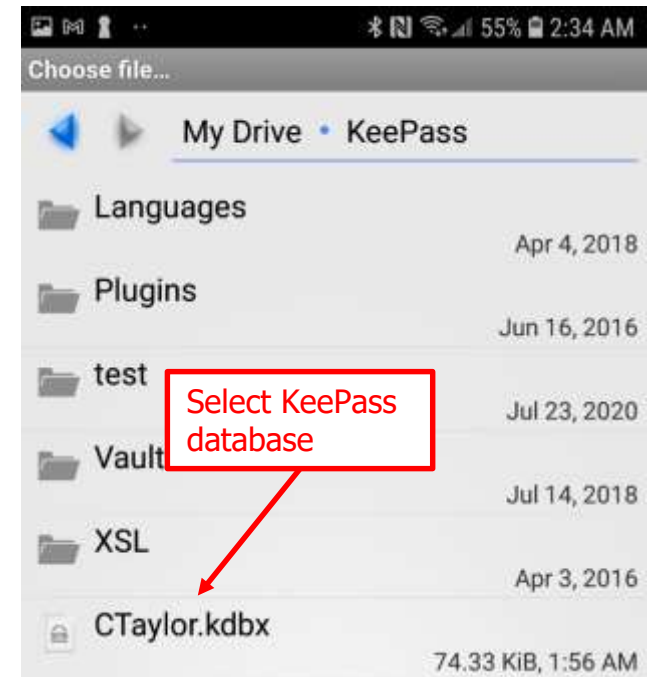
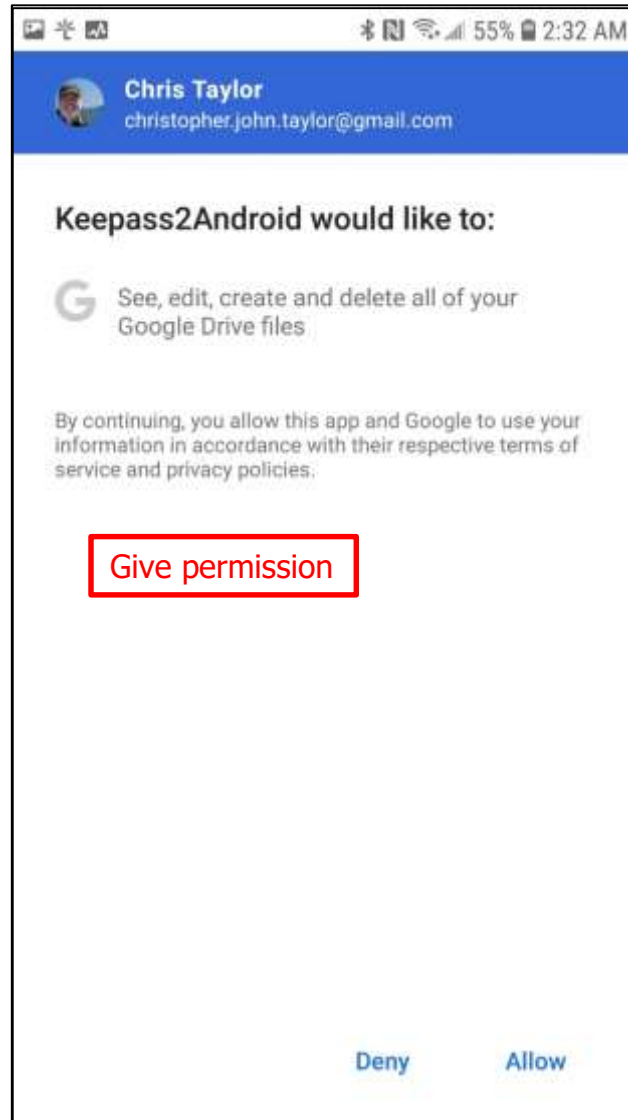
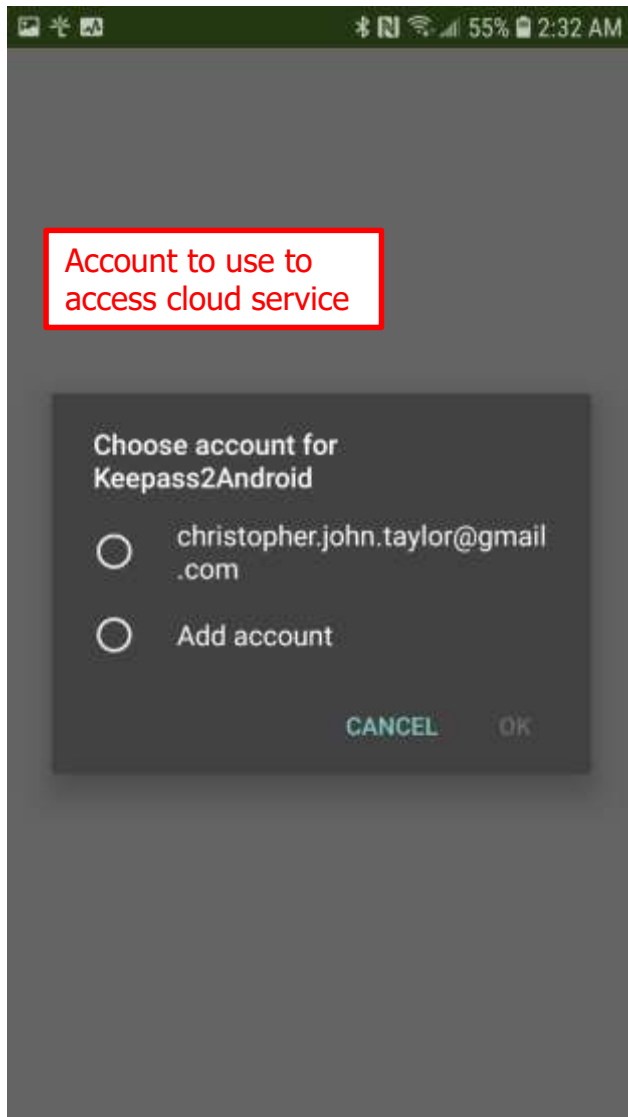
If using a local file...

Or a cloud service



Follow-up

Cloud sync



Change database in 2 places?

- Keepass2Android
 - understands multiple devices
 - offers to reconcile
 - if different records changed
 - correct info updated in both copies
 - if same record changed
 - most recent change wins
- KeePass (desktop)
 - doesn't understand multiple devices
 - just uses file it finds!

Keepass2Android

- *Writes* to master file in cloud immediately
 - which gets updated to desktop immediately
 - when *desktop* next loads database
 - it will get updated copy
- *Reads* off a **cached** copy
 - if you think changes made elsewhere
 - tell Keepass2Android to synchronize
 - 3 dot menu (top-right) *Synchronize database...*
 - compares cached copy to cloud version
 - reconciles differences if needed

Autofill on Android

- I have not tried it, but...
 - Android 8 introduced *Android Autofill*
 - *Keepass2Android* is a supported password manager for *Android Autofill*
 - Search Settings on phone for *autofill*

see also:

<https://www.androidcentral.com/how-use-autofill-android-oreo>

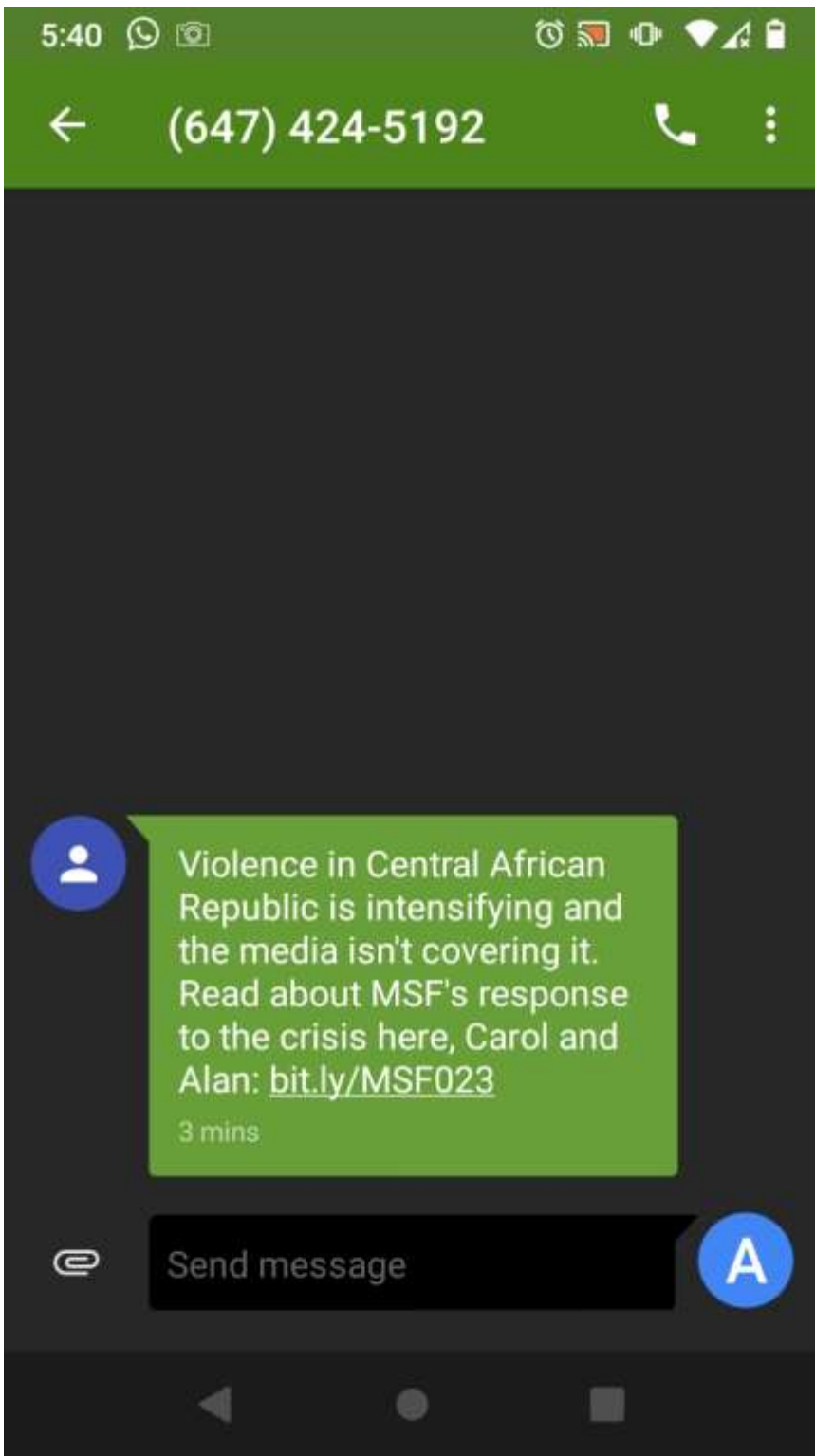


What's Currently in Circulation?

Have you received any scam messages or telephone calls recently?

Send us a copy (anonymized) of the message or a description of the call.

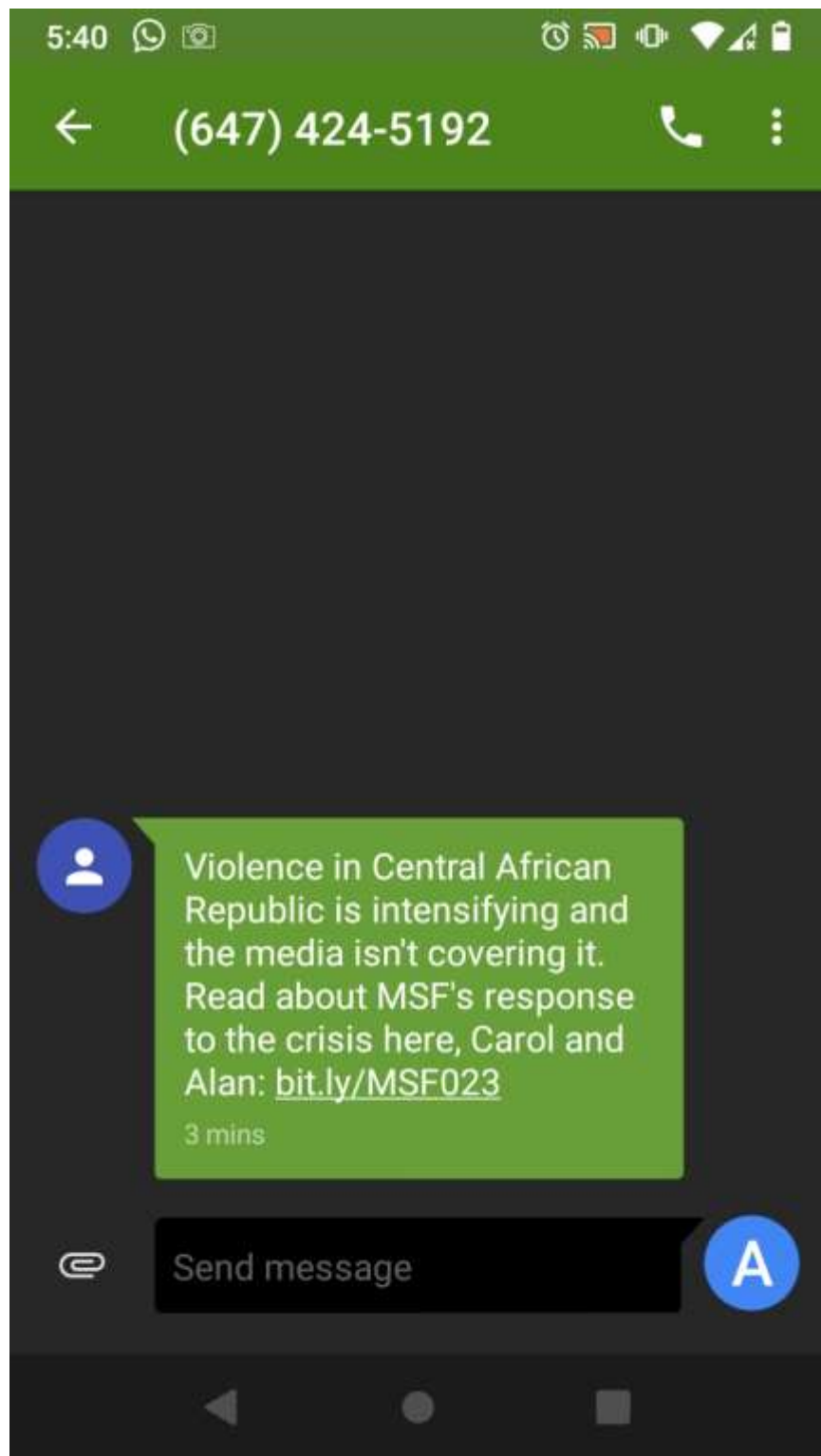
At the Q&A session on April 7th we will review all submissions.



Unknown telephone number
- not in Contacts



bit.ly link
- obfuscating a malicious
web site?



Unknown telephone number
- not in Contacts



bit.ly link
- obfuscating a malicious
web site?

But:

MSF is (should be)
Médecins Sans Frontières

They use both names
- Carol and Alan



- 🔖
- ↓
- 📄
- 🕒
- 📅
- +



6474245192

Business

Person

Reverse

Your search – 6474245192 – did not match any documents.

6474245192 Search | 411.ca

411.ca/reverse/search

411.ca

6474245192

Business Person Reverse

Your search – 6474245192 – did not match any documents.

Bitly. The power of the link.

bitly.com/MSF023+

bitly ENTERPRISE RESOURCES ABOUT

CREATED MAR 23, 8:06 PM

Barriers to accessing healthcare in Ouaka, Central African Republic | MSF
<https://www.msf.org/barriers-accessing-healthcare-ouaka-central-african-republic>

bitly.com/2NJF96X COPY

Barriers to accessin
<https://www.msf.org/barriers-acce>



What's Currently in Circulation?

Have you received any scam messages or telephone calls recently?

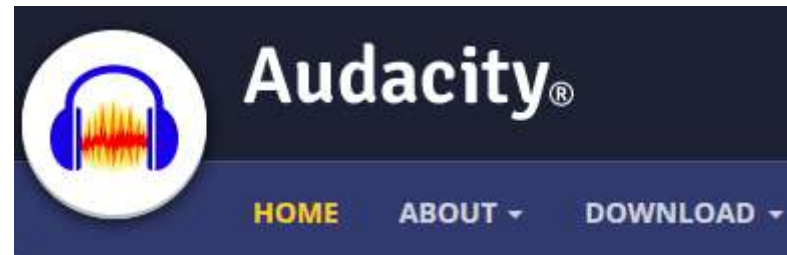
Send us a copy (anonymized) of the message or a description of the call.

SuggestionBox@opcug.ca

Share

Circumventing Smartscreen

- Downloaded Audacity Version 3.0.0
- Copied the files to
C:\Program Files (x86)\Audacity
- Created shortcut to audacity.exe
- Ran the program...





Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

[More info](#)

Don't run

Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

[More info](#)



Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

App: audacity.exe

Publisher: Unknown publisher



Run anyway

Don't run

Audacity

File Home Share View Application Tools

Clipboard Organize New

Pin to Quick access Copy Paste Move to Delete Copy to Rename New folder Properties Open Select

Select all Select none Invert selection

< > << >> << Program Files (x86) >> Audacity

Program Files (x86)

- Adobe
- Allaire
- Amazon
- AMD
- Ashampoo
- ATI Technologies
- Audacity
- Awesome Duplicate P...
- Bosch
- BurnAware Free
- Common Files
- CSV to vCard
- Dell
- Digiarty
- DOSBox-0.74


Name

- Languages
- modules
- Nyquist
- Plug-Ins
- audacity.exe
- concr140.dll
- EQDefaultCurves.xml
- LICENSE.txt
- msvcp140.dll
- msvcp140_1.dll
- msvcp140_2.dll
- README.txt
- resetPrefs.txt
- vcruntime140.dll
- wxbase313u_vc_custom.dll
- wxbase313u_xml_vc_custom.dll

19 items | 1 item selected 12.7 MB

audacity.exe Properties

General Compatibility Security Details Previous Versions

 audacity.exe

Type of file: Application (.exe)

Description: Audacity® Cross-Platform Sound Editor

Location: C:\Program Files (x86)\Audacity

Size: 12.7 MB (13,355,520 bytes)

Size on disk: 12.7 MB (13,357,056 bytes)

Created: March 19, 2021, 10:04:27 PM

Modified: March 19, 2021, 10:03:49 PM

Accessed: March 19, 2021, 10:04:39 PM

Attributes: Read-only Hidden

Security: This file came from another computer and might be blocked to help protect this computer. Unblock

Error Applying Attributes



An error occurred applying attributes to the file:

C:\Program Files (x86)\Audacity\audacity.exe

Too many posts were made to a semaphore.

Ignore

Ignore All

Try Again

Cancel

All feedback My feedback

Give us feedback to make Windows better



+ Add new feedback

Sort: [Activity](#)

Filter: [Submitted by me](#), [Upvoted by me](#)

Device: [PC](#)

Category: [All Categories](#)

Introducing My feedback ✕

My feedback makes it easier to find the feedback that you care about. Look at feedback that you submitted or just look at what you upvoted. If we added your feedback to a collection, open the collection to see your original feedback.

Problem

Too many posts were made to a semaphore

The newest release of Audacity (Version 3.0.0) has Windows Defender complaining that the app has an Unknown Publisher. Defender kicks in every time the program is run. The workaround is to go to Properties for audacity .exe and check Unblock in the Security section. However,...

Submitted by me

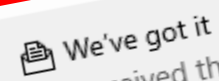
Category [Apps](#) > [All other apps](#)

Last activity Submitted 12 hours ago

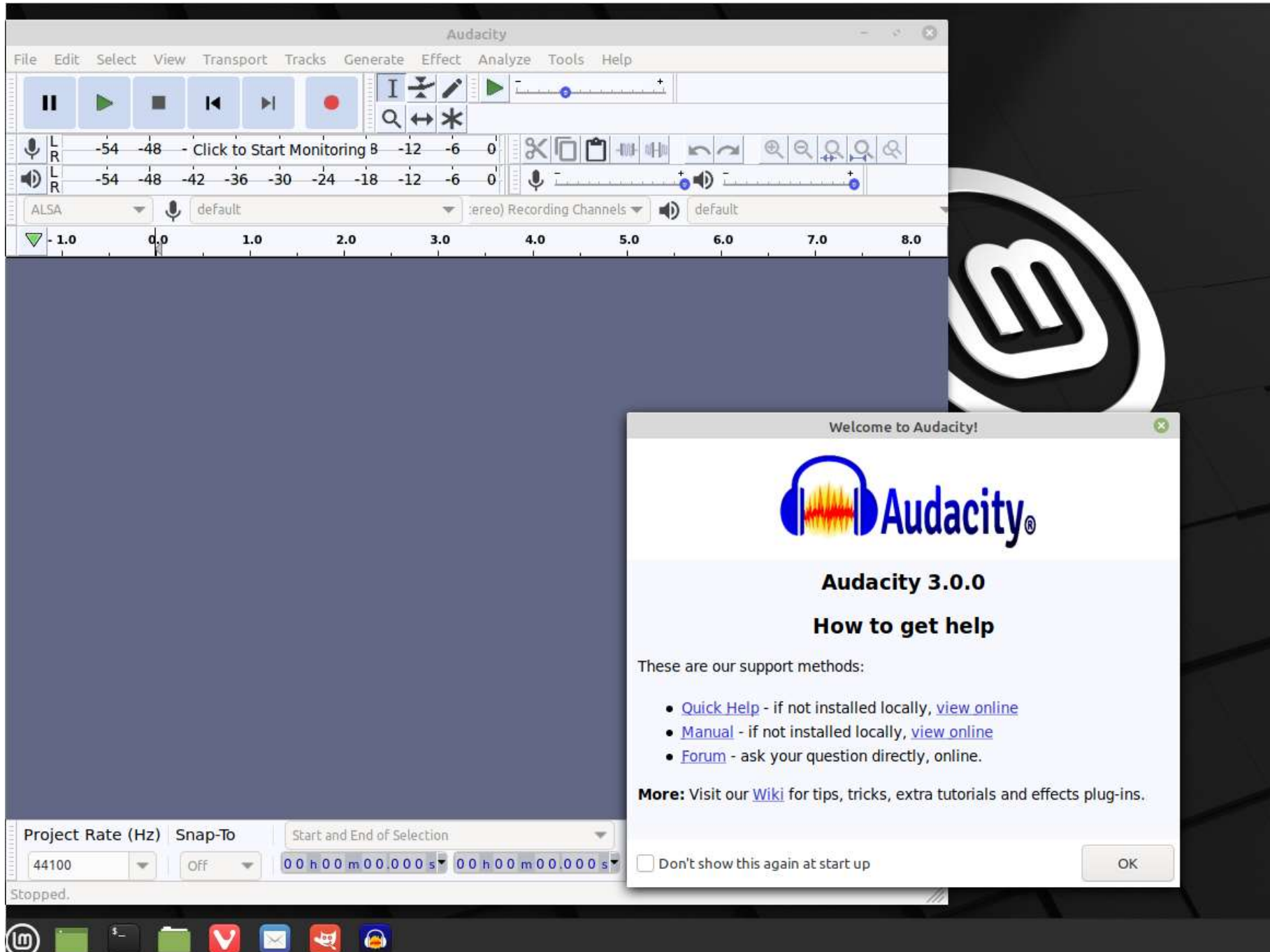
0

comments

[Add a comment](#)



We've got it
We received this feedback. [What we do with feedback.](#)



Audacity

File Edit Select View Transport Tracks Generate Effect Analyze Tools Help

Transport controls: Stop, Play, Record, Previous, Next, Zoom In, Zoom Out, Zoom Reset, Zoom Full, Zoom Selection, Zoom Selection In, Zoom Selection Out.

Track 1 (L R): -54 -48 - Click to Start Monitoring B -12 -6 0

Track 2 (L R): -54 -48 -42 -36 -30 -24 -18 -12 -6 0

Recording Channels: (Stereo) Recording Channels

Output: default

Volume: -1.0 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0

Welcome to Audacity!



Audacity 3.0.0

How to get help

These are our support methods:

- [Quick Help](#) - if not installed locally, [view online](#)
- [Manual](#) - if not installed locally, [view online](#)
- [Forum](#) - ask your question directly, online.

More: Visit our [Wiki](#) for tips, tricks, extra tutorials and effects plug-ins.

Don't show this again at start up

OK

Project Rate (Hz) Snap-To Start and End of Selection

44100 Off 00 h 00 m 00.000 s 00 h 00 m 00.000 s

Stopped.



Share

Working from home?

- *YOW Canada* is an Ottawa based on-line training company with a focus on health and safety requirements
- Given that many people are choosing to work from home, being aware of H&S requirements for various scenarios might be of interest
- Ontario Health & Safety Awareness Training
- Office Ergonomics

<https://www.yowcanada.com/courses.asp>

Stewart Bruce

Share

Golfing from home!

- Play *WGT Golf*
- Windows, iOS, and Android versions
- Registration (E-mail address) required
- Free to play
- Play with other golfers matched to your skill level, or invite friends to play a round
- The graphics are well beyond impeccably perfect, as is sound - whenever you hit the golf ball correctly!

<https://m.wgt.com>

Bob Herres


8-10 MPH
146 YDS

I
FAIRWAY

:29
THE BREAKER CTR
BobFromCanada
LVL 30
AMATEUR

THE BREAKER CTR
Delvin690

146 YDS
3 FT



SWING



Full
WGT - CHARTER
51
160

IRONS
YDS



FAIRWAY






**Any other:
Questions
Comments
Shares?**



Help wanted with presentations!

- Topics
- Speakers
 - monthly meetings
 - members' favourites
 - Q&A

SuggestionBox@opcug.ca

Managing Your Android Phone

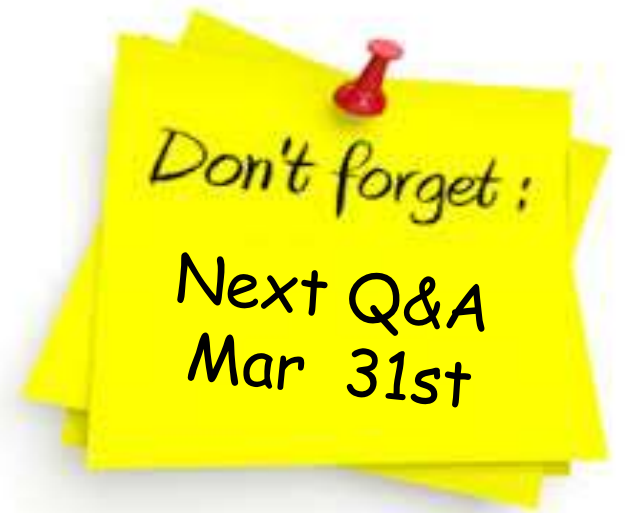
Alan German

Monday, March 29, 2021

4:00 pm



Register at <https://bibliottawalibrary.ca/en/program?text=tech+cafe>



**Send your questions,
answers, and topics
you wish to share to:**

SuggestionBox@opcug.ca

