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Ottawa PC Users' Group

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Shotcut

On 14 February 2018, Alan gave a great presentation* on 'Simple Video Editing' using the free, open source, cross-platform (Windows, Linux, Apple) video editor software 'Shotcut'.

Since then, Shotcut has gained some great new features, and many tutorial and learning resources have been added.

*** - https://opcug.ca/presentations/video_editing.pdf**



Shotcut

- There is still a 'free' version**, but it contains ads.
- There are two ways to avoid the ads:
 - When you go to download the free version, you can make a donation through credit, debit or PayPal to get an ad-free version.
 - On the download page, you can click on a link to the Microsoft Store and for CAD\$12.99 (plus tax) you can get a version that avoids ads and gives you automatic updates.

** - <https://shotcut.org/download/>



Shotcut

If you download the paid version from the Microsoft Store you will NOT get an install file to download to your computer and execute because Microsoft installs the app directly from their site.



You should check out the free version or the donation version before making a decision to get the Microsoft Store version. The store version ties you to the Microsoft Store, which can be a good thing or a bad thing depending on your point of view.

A bit more on the issues around this at the end of the presentation.



Shotcut

Learning How To Use Shotcut

You can start with Alan's presentation at:

https://opcug.ca/presentations/video_editing.pdf

Then try the three starter videos listed in the next slide.

Then go to some of the video and other tutorials at:

<https://shotcut.org/tutorials/>

There are also many GREAT videos on YouTube that are NOT from Shotcut, including some from theskillsfactory.com (a great site for tutorials on lots of other software too).



Shotcut

Starter Video Tutorials

Introduction and Overview (from Shotcut) (49mb)

<https://www.youtube.com/watch?v=JtsB2iZRb9c>

Full Tutorial (from Shotcut) (131mb)

<https://www.youtube.com/watch?v=UYW3De9Rq1s>

Shotcut Video Editor - Tutorial for Beginners in 10
MINUTES! (from theskillsfactory.com) (40mb)

<https://www.youtube.com/watch?v=P9pzmzXj03A>



Shotcut

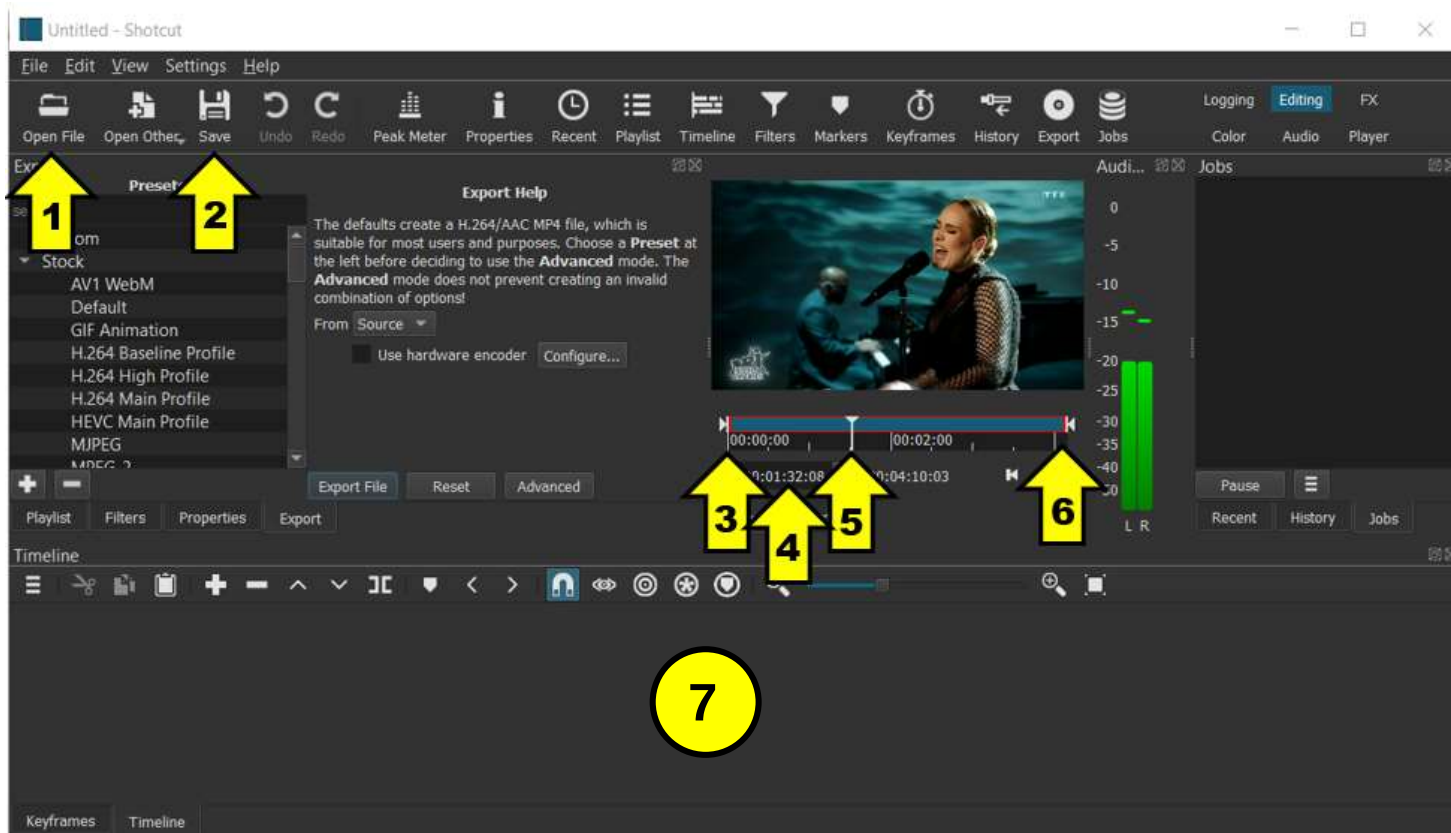
Why Shotcut?

- Shotcut has many powerful features.
- Especially for such a capable program, Shotcut is easy to use, which is great for the occasional user.
- There are lots of excellent tutorials including videos online to help you learn how to use Shotcut.
- You can use it free, or by making a modest donation, and even the paid for version is very inexpensive.



Shotcut

Basic User Interface



1 - Open File

2 - Save

3 - Start of Video

4 - Counter

5 - Current Point

6 - End of Video

7 - Field where
timelines, etc.
display when
editing



Shotcut

Features

Video Effects

- Video compositing across video tracks
- 3-way (shadows, mids, highlights) color wheels for color correction and grading
- Eye dropper tool to pick neutral color for white balancing
- Deinterlacing
- Auto-rotate
- Fade in/out audio and fade video from and to black with easy-to-use fader controls on timeline
- Video [wipe transitions](#):
bar, barn door, box, clock (radial), diagonal, iris, matrix, and custom gradient image
- Track compositing/blending modes:
None, Over, Add, Saturate, Multiply, Screen, Overlay, Darken, Dodge, Burn, Hard Light, Soft Light, Difference, Exclusion, HSL Hue, HSL Saturation, HSL Color, HSL Luminosity.
- Video Filters:
Alpha Channel: Adjust, Alpha Channel: View, Audio Dance Visualization, Audio Level Visualization, Audio Light Visualization, Audio Spectrum Visualization, Audio Waveform Visualization, Blend Mode, Blur: Box, Blur: Exponential, Blur: Gaussian, Blur: Low Pass, Blur: Pad, Brightness, Choppy, Chroma Hold, Chroma Key: Advanced, Chroma Key: Simple, Contrast, Color Grading, Corner Pin, Crop: Source, Crop: Circle, Crop: Rectangle, Deband, Distort, Dither, Elastic Scale, Flip, Glitch, Glow, GPS Text, Gradient, Grid, Halftone, Hue/Lightness/Saturation, Invert Colors, Key Spill: Advanced, Key Spill: Simple, Lens Correction, Levels, 3D LUT, Mask: Apply, Mask: Chroma Key, Mask: From File, Mask: Simple Shape, Mirror, Mosaic, Nervous, No Sync, Noise: Fast, Noise: Keyframes, Old Film: Dust, Old Film: Grain, Old Film: Projector, Old Film: Scratches, Old Film: Technicolor, Opacity, Posterize, Reduce Noise: HQ3DN, Reduce Noise: Quantization, Reduce Noise: Smart Blur, Reduce Noise: Wavelet, Reflect, RGB Shift, Rotate and Scale, Saturation, Scan Lines, Sepia Tone, Sharpen, Size and Position, Sketch, Spot Remover, Stabilize, Text: Rich, Text: Simple, Threshold, Time Remap, Timer, Trails, Vertigo, Vignette, Unpremultiply Alpha, Wave, White Balance
- 360° Video Filters:
Equirectangular Mask, 360: Equirectangular to Rectilinear, 360: Equirectangular to Stereographic, 360: Hemispherical to Equirectangular, 360: Rectilinear to Equirectangular, 360: Stabilize, 360: Transform
- Speed effect for audio/video clips
- Reverse a clip
- Video scopes: Histogram, RGB Parade, RGB Waveform, Waveform, Vectorscope and Zoom



Shotcut

Features

Editing Features

- Trimming on source clip player or timeline with ripple option
- Easy-to-use cut, copy, and paste operations
- Append, insert, overwrite, lift, and ripple delete editing on the timeline
- 3-point editing
- Hide, mute, and lock track controls
- Multitrack timeline with thumbnails and waveforms
- Unlimited undo and redo for playlist edits including a history view
- Create, play, edit, save, load, and export (render) MLT XML projects (with auto-save)
- Save and load trimmed clip as MLT XML file
- Load and play complex MLT XML file as a clip
- Drag-n-drop files from file manager
- Scrubbing and transport control
- Keyframes for filter parameters
- Detach audio from video clip
- Presets for most filters and Export - both supplied and user-created
- Sort playlist by name or creation/recording date
- Multi-select items in the playlist and timeline
- Create custom name for clips and enter comments about it
- Low resolution proxy editing to improve speed of seeking and eliminate or minimize scaling
- Timeline markers and ranges, including export from a range and exporting as text chapters



Shotcut

Features

Wide Format Support

- Support for the latest audio and video formats thanks to [FFmpeg](#)
- Supports popular image formats such as BMP, GIF, JPEG, PNG, SVG, TIFF, WebP as well as image sequences
- No import required - native timeline editing
- Frame-accurate seeking for many formats
- Multi-format timeline: mix and match resolutions and frame rates within a project
- Webcam capture
- Audio capture
- Support for 4K resolutions
- Network stream playback (HTTP, HLS, RTMP, RTSP, MMS, UDP)
- [Frei0r](#) video generator plugins (e.g. color bars and plasma)
- Color, text, noise, and counter generators
- [EDL](#) (CMX3600 Edit Decision List) export
- Export single frame as image or video as image sequence
- Videos files with alpha channel - both reading and writing
- Tone mapping HDR to SDR



Shotcut

Features

Audio Features

- Audio scopes: loudness, peak meter, waveform, spectrum analyzer
- Volume control
- Audio filters:
Balance, Band Pass, Compressor, Copy Channel, Delay, Downmix, Equalizer: 3-Band, Equalizer: 15-Band, Equalizer: Parametric, Expander, Gain, High Pass, Invert, Limiter, Low Pass, Noise Gate, Normalize: One Pass, Normalize: Two Pass, Notch, Pan, Pitch, Reverb, Swap Channels
- Audio mixing across all tracks
- Fade in and out audio and fade video from and to black with easy-to-use fader controls on timeline
- Cross-fade audio and video dissolve transitions easily by overlapping shots on the same track of the timeline
- JACK transport sync
- Tone generator
- Stereo, mono, and 5.1 surround
- Pitch compensation for video speed changes



Shotcut

Features

Cross Platform & Codec Independent

- Cross platform support: available on Windows, Linux, and macOS)
- Codec independent so does not rely on system codecs
- Can run as a portable app from external drive
- UI translations: Arabic, Catalan, Chinese, Czech, Danish, Dutch, English, Estonian, Finnish, French, Gaelic, Galician, German, Greek, Hungarian, Italian, Japanese, Korean, Nepali, Norwegian Bokmål, Norwegian Nynorsk, Occitan, Polish, Portugese, Romanian, Russian, Slovak, Slovenian, Spanish, Swedish, Taiwanese, Thai, Turkish, Ukranian (not all 100%, but you can [help](#))
- Batch encoding with job control
- Encode/transcode to a variety of formats and codecs thanks to FFmpeg
- Stream (encode to IP) files and any capture source
- Video quality measurement (PSNR and SSIM)
- Perform integrity check of an audio/video file
- View detailed information about an audio/video file



Shotcut

Features

Display and Monitoring

- External monitoring via Blackmagic Decklink card on NTSC monitor
- External monitoring on an extra system display/monitor
- UI themes/skins: native-OS look and custom dark and light
- Control video zoom in the player: fit viewable area (default), 10%, 25%, 50%, original (100%), and 200%
- Flexible UI through dock-able panels
- Detailed media properties panel
- Recent files panel with search
- Thumbnail and waveform caching between sessions
- Save and switch between multiple UI layouts.
- On-screen grid and safe areas with snapping.
- Low resolution preview (Preview Scaling) to improve speed of realtime effects.



Shotcut

Features

Hardware Support

- Blackmagic Design SDI and HDMI for input and preview monitoring
- [Leap Motion](#) and [Contour Design Shuttle PRO](#) for jog/shuttle control
- Webcam capture
- Audio capture from system device (microphone, line in)
- Capture (record) SDI, HDMI, webcam (V4L2), JACK audio, PulseAudio, IP stream, and Windows DirectShow devices
- Multi-core parallel image processing (when not using GPU and frame-dropping is disabled)
- OpenGL GPU-based image processing with 16-bit floating point linear per color component
- AMD, Intel, and NVIDIA hardware encoding



Shotcut

Features

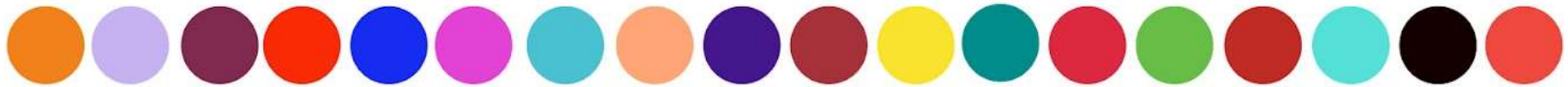
A Bit More On the Microsoft Direct Install

- After the Microsoft direct install, Shotcut shows up in the Start Menu, and you can right-click on this to pin it to the Taskbar, but there is no Desktop Shortcut.
- If you right click on the desktop to create a shortcut, there is no Shotcut directory in the usual '*c:\Program Files*' or '*c:\Program Files (x86)*' locations to find the '*.exe*' file.
- The Shotcut directory with the '*exe*' file is '*c:\Program Files\WindowsApps\63764Meltytech.Shotcut_22.1.30.0_x64__n3ep7ff047466*' or something similar, but since this is a hidden system directory you can't create a Desktop Shortcut in the usual way.
- If you install the 'free' or 'donation' version of Shotcut from the downloaded install file, you get the usual Start Menu and Desktop Shortcut, and can pin it to the Taskbar from the Start Menu as usual.



**THE
END**

COMING SOON



(But not starting next week)

- **How to download videos and audio from YouTube using the browser extension Video DownloadHelper**
- **How to download or capture videos using Debut Video Capture and Screen Recorder Software**
- **How to do still and video screen capture using ScreenHunter Pro all-in-one screen capture and screen recording software**
- **How to capture (rip) audio from a video file and how to take a screenshot of the current video frame using GOM Player**
- **How to rip your CD's to MP3's using Express Rip CD Ripper**
- **How to edit the tags (metadata) for your MP3's**



Copy Android Message Thread

- Do you have any suggestions for an easy way to copy an entire text message thread? I'm using the default "Messages" app that was installed as the default program on my smartphone (Samsung A51, Android v.11). My brother died and I want to preserve some of the messages.
- I saved the graphics to my cell and forwarded them as attachments to my e-mail. However, I can't find a way to copy more than one text message at a time. I saw instructions on backing up to Google Drive, but I would prefer a direct save option (e.g. to the SD card or to forward as an attachment to my e-mail).

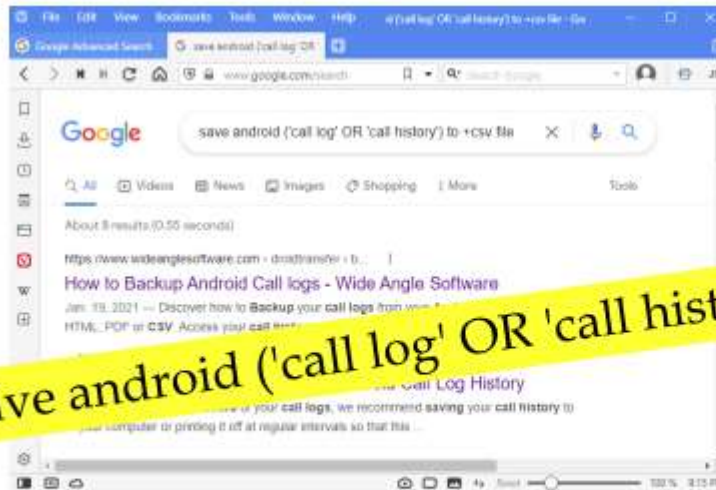
A

Droid Transfer

Follow-up

Copy Android call log

I am looking for recommendations for an Android app to export the phone call history, preferably to a .CSV file



save android ('call log' OR 'call history') to +csv file

https://opcug.ca/qa_recordings/20211020_PowerPoint.pdf

Druid Transfer

Motorola MotoG3
Android 10

Copy Call Logs Save PDF Save CSV Print

Search Call Logs

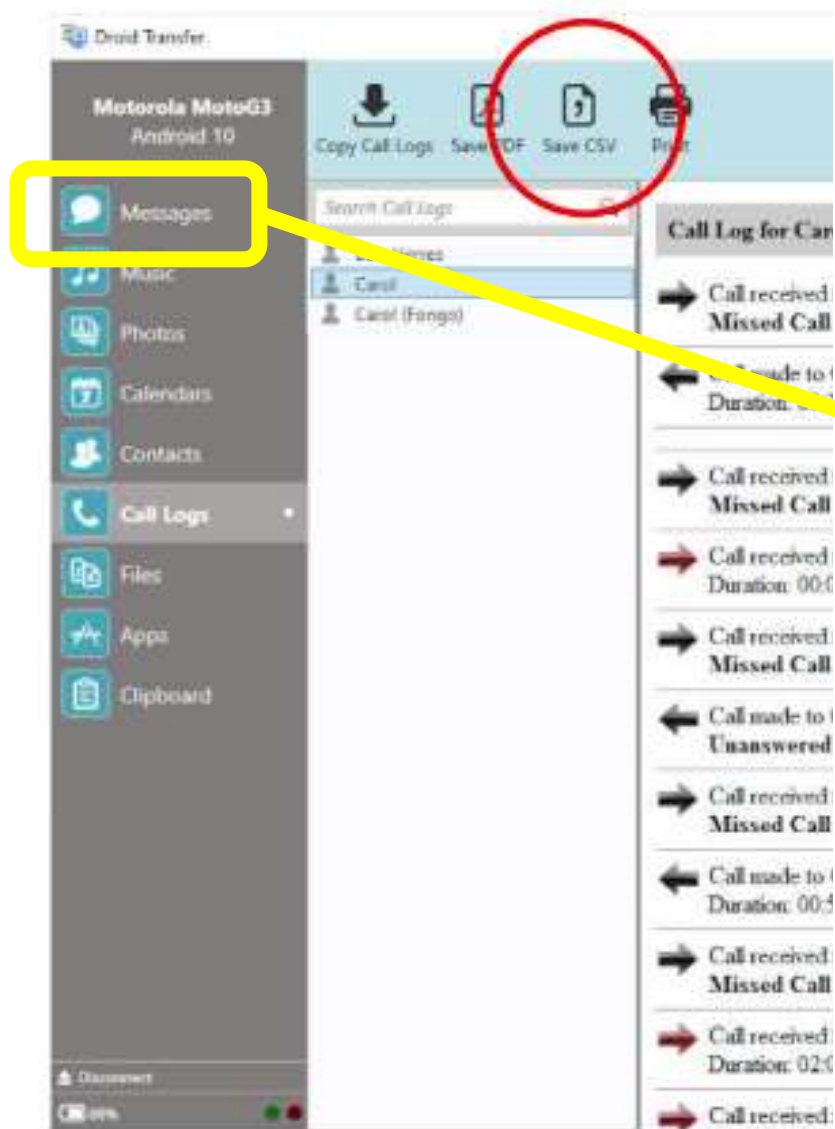
Bob Horne
Carol
Carol (Fongo)

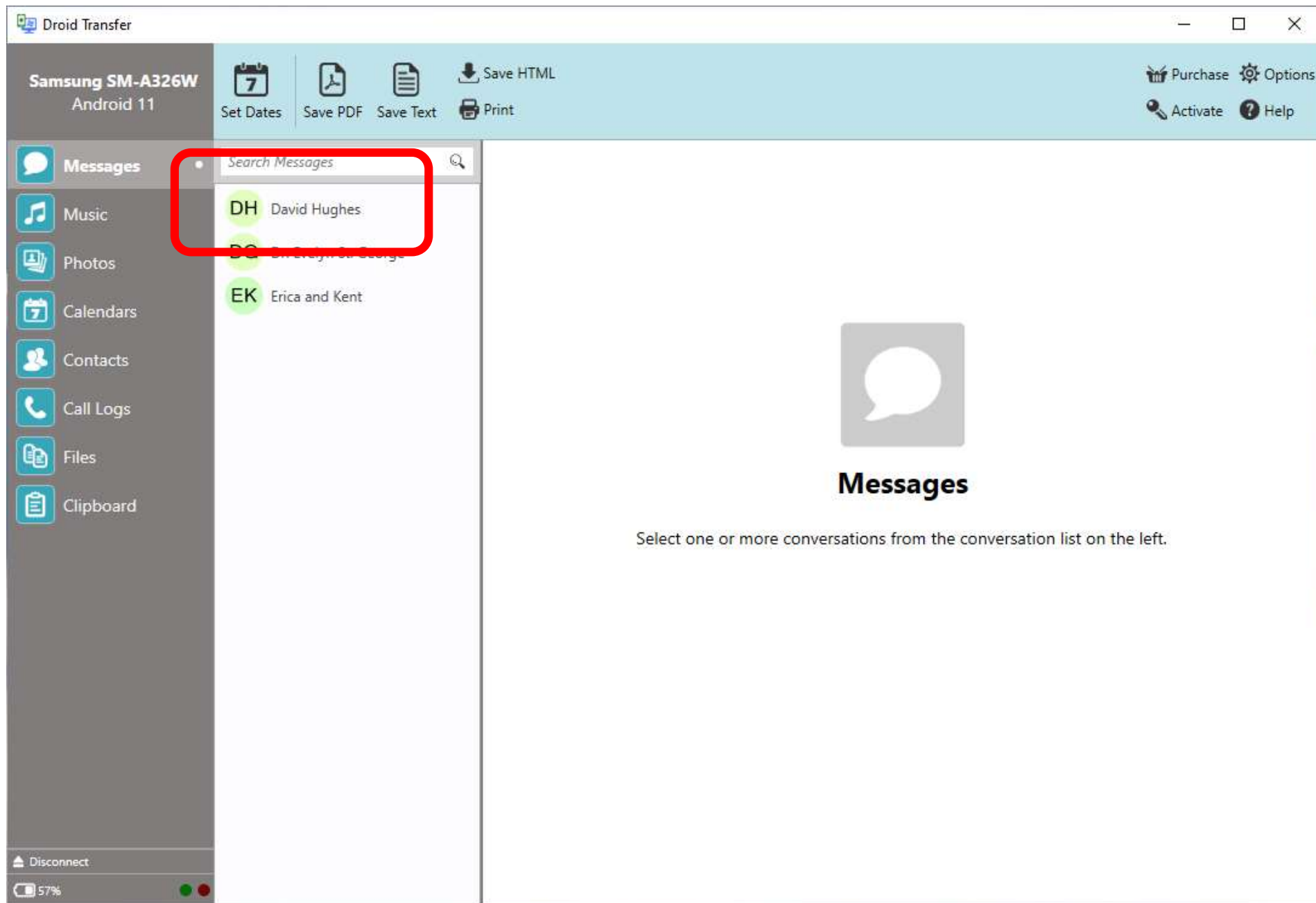
Call Log for Carol

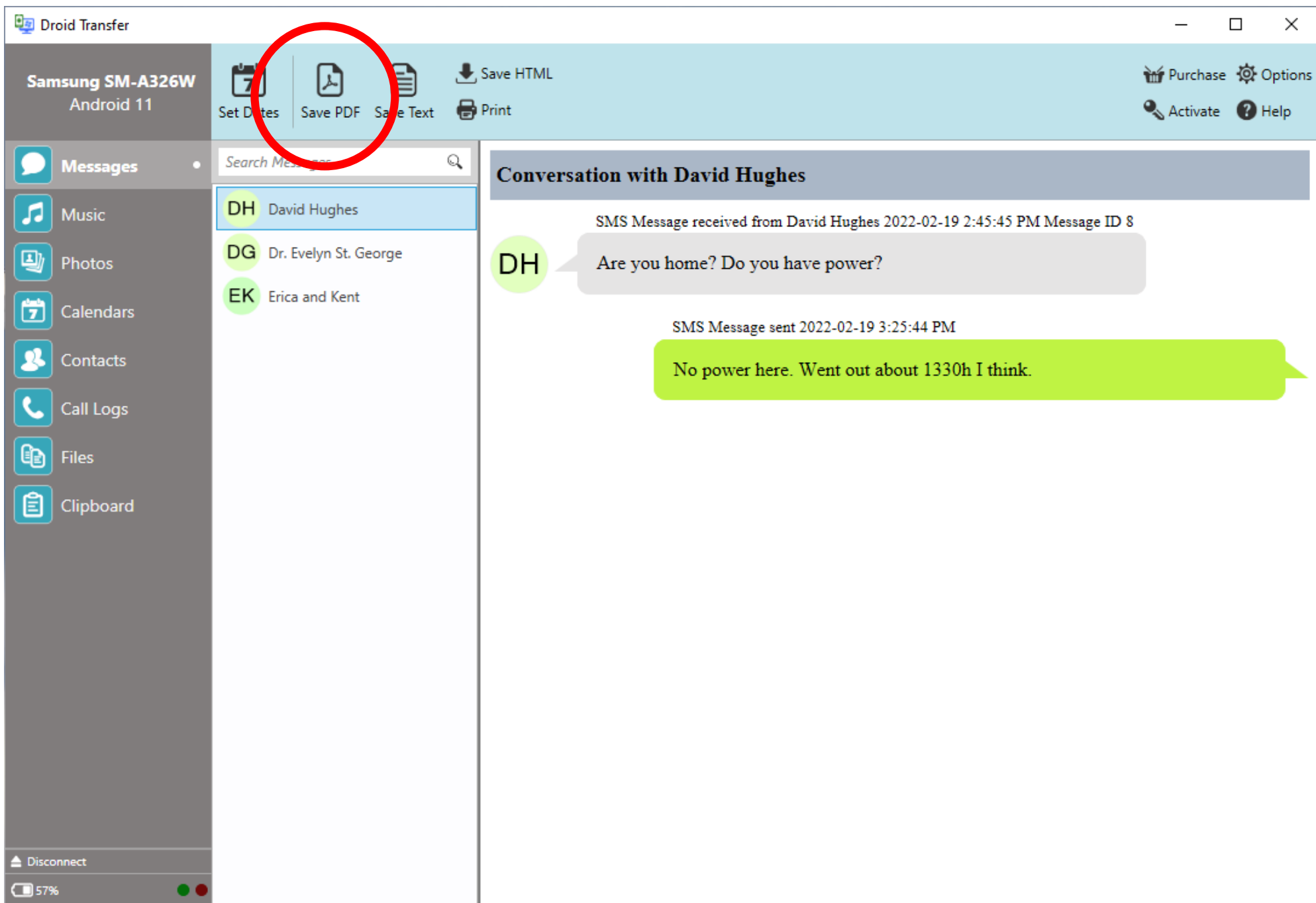
- Call received from Carol on 2021-07-08 (9:13:09 AM)
Missed Call
- Call made to Carol on 2021-07-08 (9:13:52 AM)
Duration: 00:21
- Call received from Carol on 2021-08-05 (4:34:47 PM)
Missed Call
- Call received from Carol on 2021-08-05 (4:40:13 PM)
Duration: 00:08
- Call received from Carol on 2021-08-05 (4:45:33 PM)
Missed Call
- Call made to Carol on 2021-08-06 (8:02:08 PM)
Unanswered Call
- Call received from Carol on 2021-08-15 (10:53:17 AM)
Missed Call
- Call made to Carol on 2021-08-18 (11:38:21 AM)
Duration: 00:53
- Call received from Carol on 2021-09-03 (2:06:16 PM)
Missed Call
- Call received from Carol on 2021-10-01 (3:05:38 PM)
Duration: 02:02
- Call received from Carol on 2021-10-05 (3:21:07 PM)

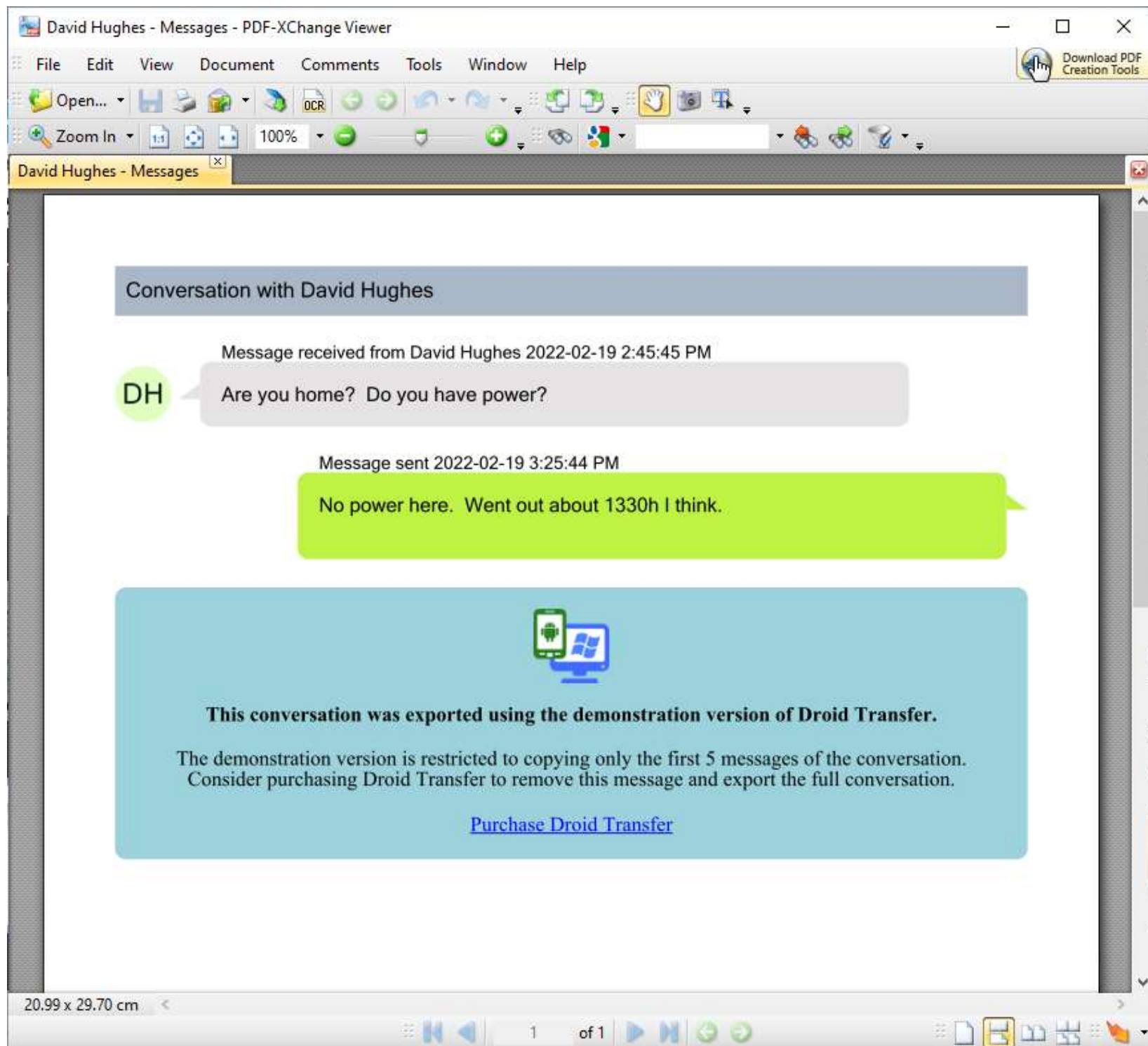
Document

100%





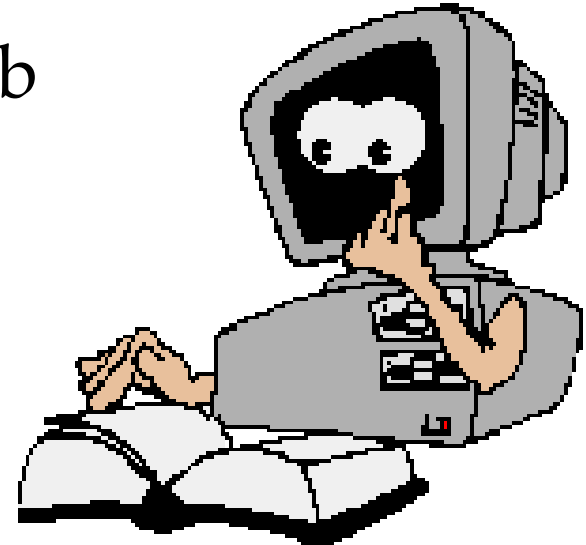




Share

Stop GIF looping continuously

- Animated GIF files all over the web
- Most loop continuously
 - sometimes this is okay
 - looks like a continuous action
 - sometimes not so much
 - obvious restart

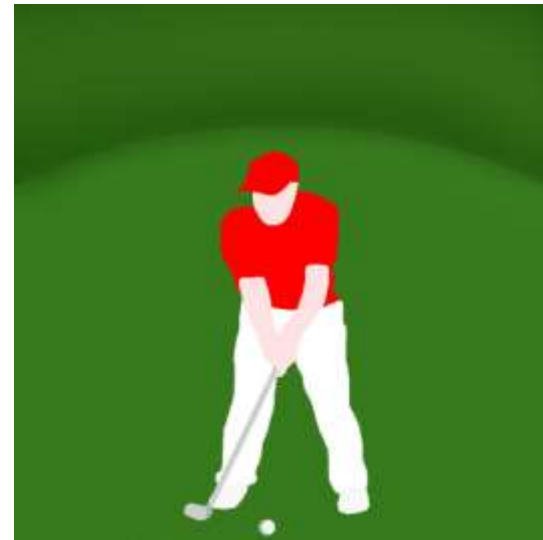


Share

Play once rather than...



continuous



Share

<https://ezgif.com/split>

GIF frame extractor (splitter)

Select image

Upload image from your computer:

No file chosen

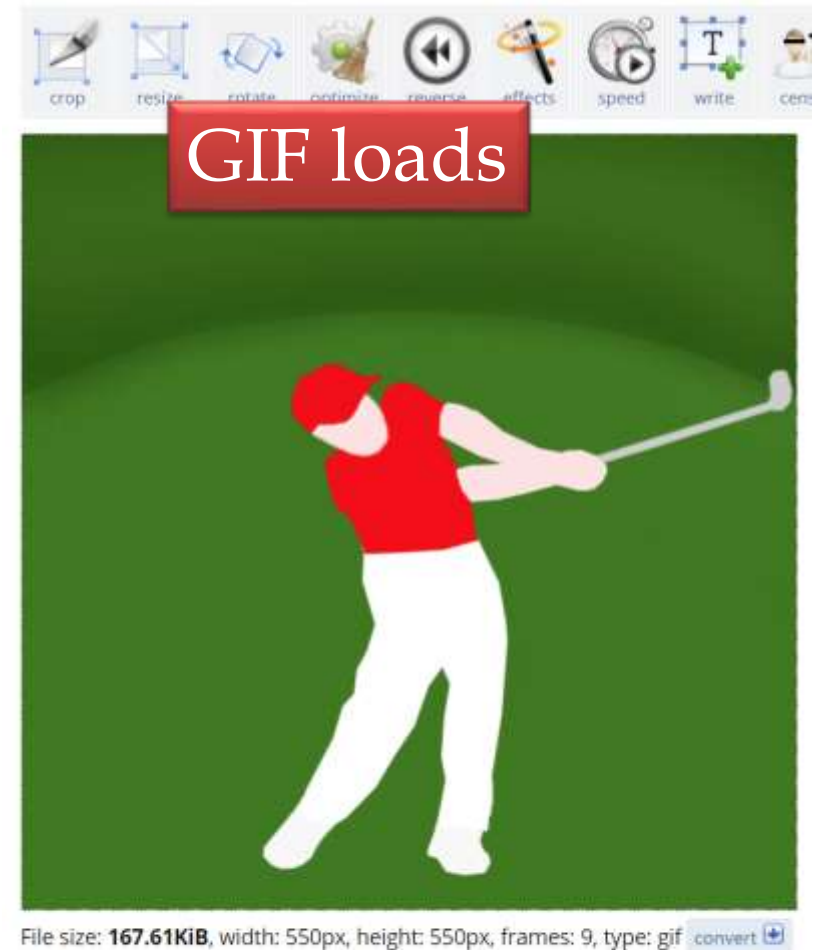
Or paste image URL:

Supported image types: animated GIF, WebP, APNG, FLIF, MNG, AVIF
Max file size: 50MB

1-choose file

2-upload

GIF frame extractor (splitter)



Split options:

Redraw every frame with details from

3-Split to frames

Share

4-scroll to
last frame



5-edit animation

Share

Animated GIF Maker

crop resize rotate optimize reverse effects speed write censor overlay cut split frames save

(drag and drop frames to change order)

1 2 3 4 5 6 7 8 9

Delay: 50 Delay: 20 Delay: 20 Delay: 20 Delay: 20 Delay: 20 Delay: 20 Delay: 20 Delay: 200

skip copy skip copy skip copy skip copy skip copy skip copy skip copy

Toggle a range of frames:
From: 1 To: 5 skip enable

GIF options:
Delay time: 20 (in 1/100 of second, changing this value will reset delay for all frames)
Loop count: 1 (Empty = loop forever)
☐ use global colormap (Use the same set of colors for all frames to reduce file size)

Effects:
☐ crossfade frames
☐ don't stack frames (Remove the frame when it's time to display next one, use for images with transparent background)

Make a GIF!

6-set "Loop count" to 1

7-Make a GIF!

Animated GIF:



File size: 697.28KiB, width: 550px, height: 550px, frames: 9, type: gif convert

We advise you to optimize the GIF to reduce file size!

crop resize rotate optimize reverse effects speed write censor save

8-save

Worldle Alternatives

1 word: <https://www.nytimes.com/games/wordle/index.html>

1 word: <https://canucklegame.github.io/canuckle>

2 words: <https://zaratustra.itch.io/dordle>

4 words: <https://www.quordle.com>

8 words: <https://octordle.com>

16 words: <https://sedordle.com>

Math: <https://nerdlegame.com>

Starting words: races, blond, fight, jumpy

<https://www.wordhippo.com/what-is/containing-the-letters/5-letter-words-dowy.html>

Wordle

1 Word



STATISTICS

1 100 1 1
Played Win % Current Streak Max Streak

GUESS DISTRIBUTION



NEXT WORDLE

21:23:21

SHARE

R	A	C	E	S
B	L	O	N	D
F	I	G	H	T
J	U	M	P	Y
P	U	R	G	E

QWERTYUIOP

ASDFGHJKL

ENTERZXCVBNM⌫



CANUCKLE



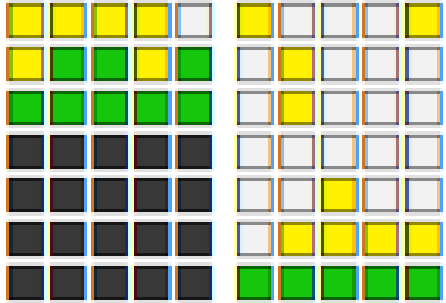
1 Word

R	A	C	E	S
B	L	O	N	D
F	I	G	H	T
C	A	B	I	N

Q	W	E	R	T	Y	U	I	O	P
	A	S	D	F	G	H	J	K	L
ENTER	Z	X	C	V	B	N	M		⌫

R	A	C	E	S	R	A	C	E	S
T	R	A	C	E	T	R	A	C	E
C	R	A	T	E	C	R	A	T	E
					B	L	O	N	D
					J	U	M	P	Y
					F	I	R	M	S
					S	M	I	R	K

Dordle 3&7/7 CRATE&SMIRK



saratustra.itch.io/dordle

CRATE & SMIRK

copy to clipboard

copy in discord format



4 Words

B	L	O	N	D	B	L	O	N	D
F	I	G	H	T	F	I	G	H	T
J	U	M	P	Y	J	U	M	P	Y
N	E	R	D	Y	N	E	R	D	Y
S	N	A	R	E					
R	A	C	E	S	R	A	C	E	S
B	L	O	N	D	B	L	O	N	D
F	I	G	H	T	F	I	G	H	T
J	U	M	P	Y	J	U	M	P	Y
N	E	R	D	Y	N	E	R	D	Y
S	N	A	R	E	S	N	A	R	E
V	I	N	Y	L	V	I	N	Y	L
					S	C	R	E	K

Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	
⌫	Z	X	C	V	B	N	M	↵	

OCTORDLE

based on Quordle by @fireph

②

dailyoctordle

a new Octordle each day
every day

freeOctordle

play as much as you want
every octordle is a surprise

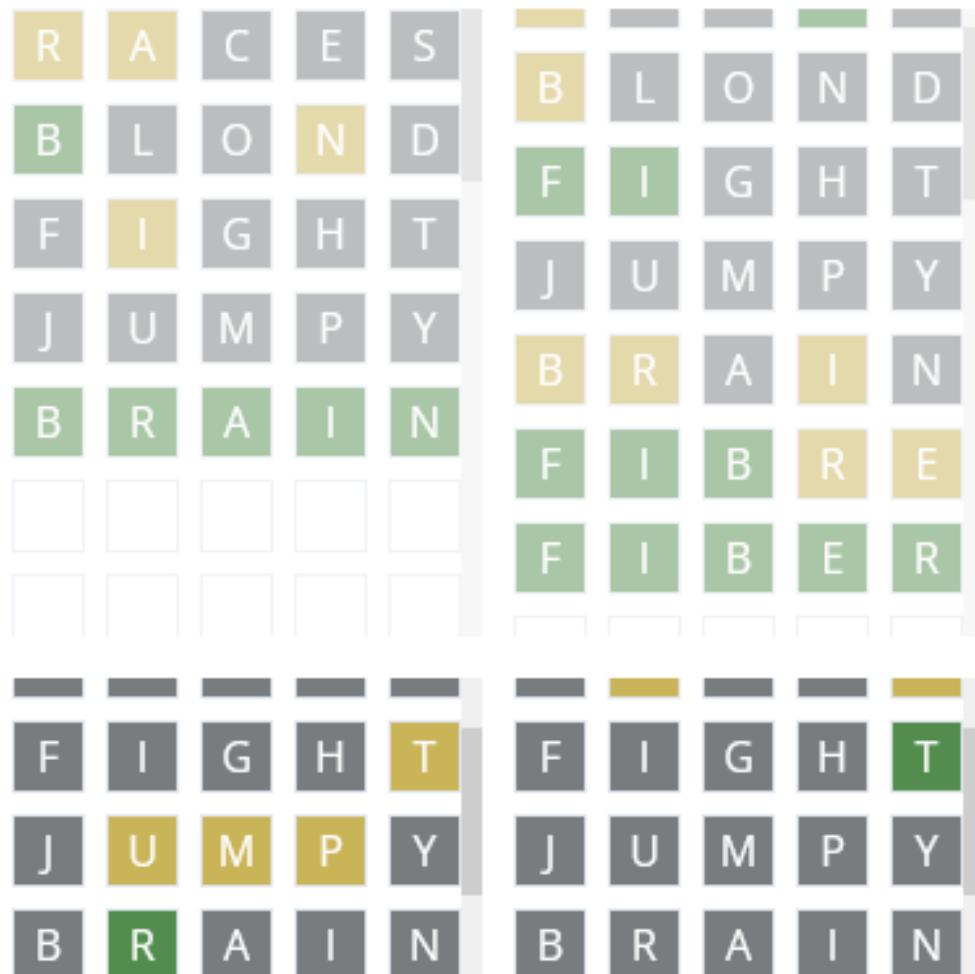
The screenshot shows the Wordle game interface. The word 'COMET' is displayed in green, indicating all letters are correct and in the right position. The word 'RACE' is displayed in yellow, indicating all letters are correct but in the wrong position. The keyboard at the bottom shows the letters Q, W, E, R, T, Y, U, I, O, P, A, S, D, F, G, H, J, K, L, Z, X, C, V, B, N, M, and a backspace key. The letters E, R, T, Y, U, I, O, P, A, S, D, F, G, H, J, K, L, Z, X, C, V, B, N, M are highlighted in green, and the letters Q, W, E, R, T, Y, U, I, O, P, A, S, D, F, G, H, J, K, L, Z, X, C, V, B, N, M are highlighted in yellow.

Sedordle



2/16

16 Words



You know how to play.

Sedordle resets at midnight UTC [↗](#)

See the code for this website on GitHub [↗](#)

Check out these other great games:

- Wordle [↗](#)
- Dordle [↗](#)
- Quordle [↗](#)
- Octordle [↗](#)

Q

W

E

R

T

Y

U

I

O

P

A

S

D

F

G

H

J

K

L

↶

Z

X

C

V

B

N

M



5-letter words containing the letters I, L, N and Y

ATTENTION! Please see our [Crossword & Codeword](#), [Words With Friends](#) or [Scrabble](#) word helpers if that's what you're looking for.

5-letter Words

bliny	inlay
kylin	layin
lindy	liney
lingy	linky
linny	lnty
Linyi	lying
lysin	naily
nirly	noily
Pliny	vinyl

Advanced Word Search

Containing the letters (in any position)

Matches entered letters in any sequence anywhere in the word.

Starts with (optional)

In the middle (optional)

Ends with (optional)

Anywhere (optional)

Matches entered block of letters in sequence anywhere in the word.

Exclude (optional)

Word length (optional)

5 letters 

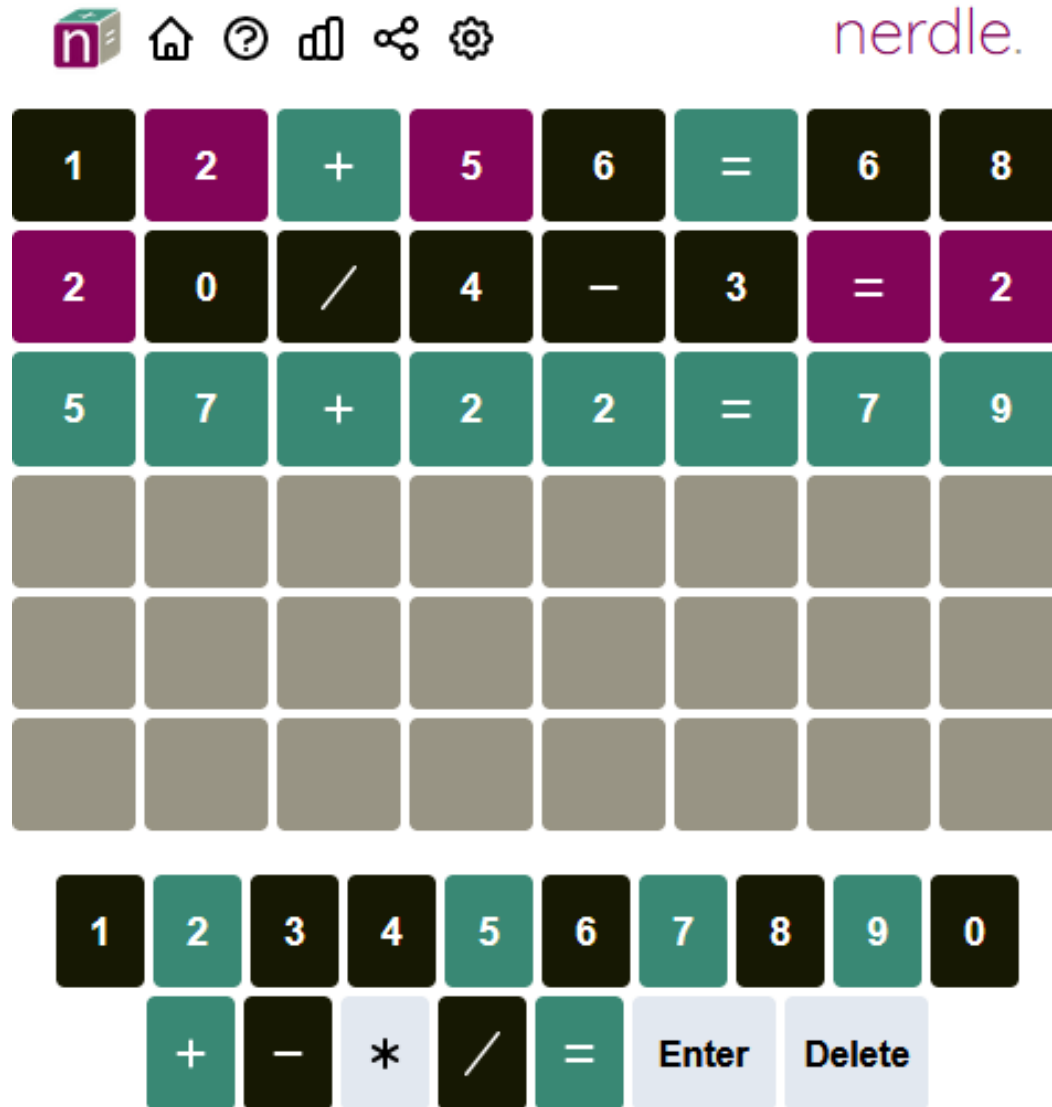
Word type (optional)

All word types 

☐ Common Words Only

[Clear all filters](#)

1 Equation





Windows 11 Status?



- When Windows 11 was released last summer, there was a less than enthusiastic response
- Has Microsoft lessened the heavy hardware requirements and is a TPM chip still necessary?
- Is there any compelling functionality that would entice anyone reasonably happy with Windows 10 to upgrade?
- Are there any features of Windows 11 that are likely to be annoying to a Windows 10 user (we all know that one of Microsoft's key business strategies is to find new and unique ways to annoy its customers)?



Windows 11 requirements (as of 16-Mar-2022)

Hardware requirements

To install or upgrade to Windows 11, devices must meet the following minimum hardware requirements:

Compatible
CPU



- Processor: 1 gigahertz (GHz) or faster with two or more cores on a [compatible 64-bit processor](#) or system on a chip (SoC).
- RAM: 4 gigabytes (GB) or greater.
- Storage: 64 GB* or greater available storage is required to install Windows 11.
 - Additional storage space might be required to download updates and enable specific features.
- Graphics card: Compatible with DirectX 12 or later, with a WDDM 2.0 driver.
- System firmware: UEFI, Secure Boot capable.
- TPM: [Trusted Platform Module \(TPM\)](#) version 2.0.
- Display: High definition (720p) display, 9" or greater monitor, 8 bits per color channel.
- Internet connection: Internet connectivity is necessary to perform updates, and to download and use some features.
 - Windows 11 Home edition requires an Internet connection and a Microsoft Account to complete device setup on first use.

TPM



<https://docs.microsoft.com/en-us/windows/whats-new/windows-11-requirements>



Microsoft Windows 11 Review

A new look for Windows



By Michael Muchmore

Updated March 23, 2022



PROS

- ✓ Beautiful, more consistent new design
- ✓ Great window layout options
- ✓ Strong video gaming updates
- ✓ Performance-improving features
- ✓ Runs Android apps

CONS

- Requires a recent CPU
- Some interface changes like the new Start menu and Taskbar take getting used to
- Useful tools gone, like Timeline, tablet gestures, and Action Center

<https://www.pcmag.com/reviews/microsoft-windows-11>

NEWS

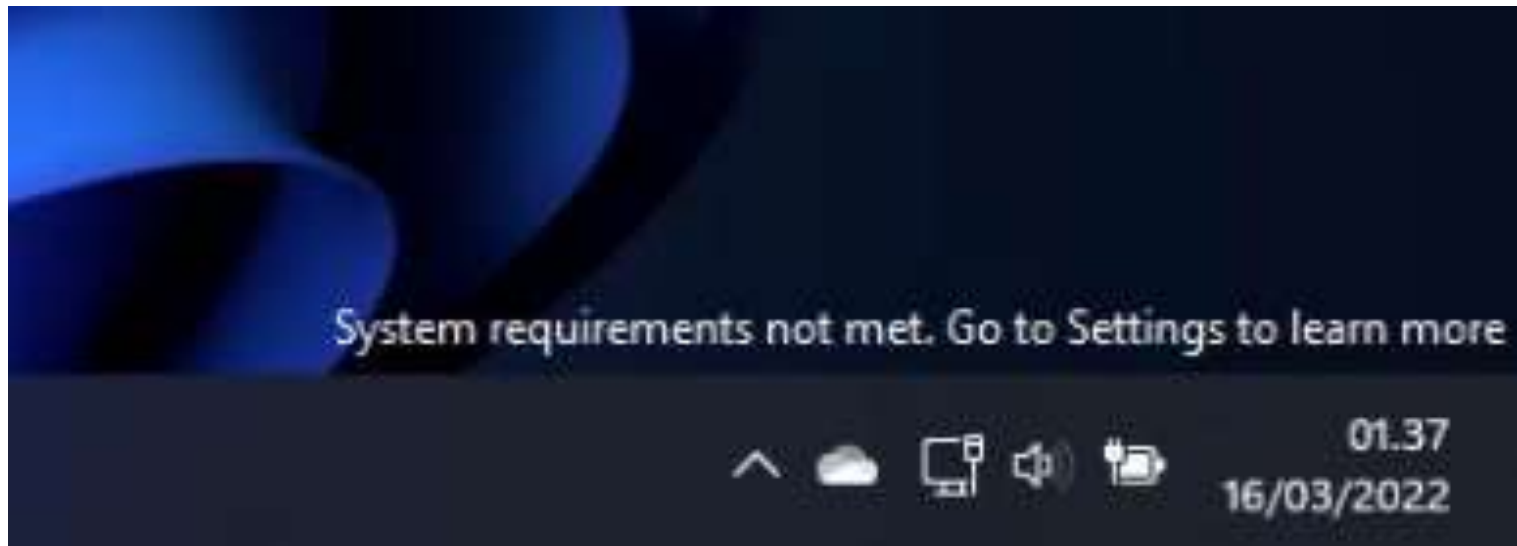
Running Windows 11 on an unsupported PC? Get ready for a desktop watermark

The latest chapter in a long, exasperating saga.



By Brad Chacos

Executive editor, PCWorld | MAR 21, 2022 11:14 AM PDT



<https://www.pcworld.com/article/624957/running-windows-11-on-an-unsupported-pc-get-ready-for-a-desktop-watermark.html>



**Any other:
Questions
Comments
Shares?**

**SPECIAL
OFFER!**

2 for 1

Last Call!

Our membership offer isn't that hard

Buy a one-year membership (\$20) and
get an additional year absolutely free!

(But, only until March 31st)

Spring Clean-up

April 4th, 7:00 pm

Ten tips to remove those digital cobwebs

1. Hard Disk Backup
2. Data File Synchronization
3. Security Settings
4. Double check your anti-virus software
5. Manage your Passwords
6. Software Updates
7. Remove Unused Software
8. Manage your E-mail
9. System Performance
10. Clean Up the Disk



Last Call!

Registration required

Free for OPCUG members

\$20.00 for non-members

(including one-year membership)

Full details at:

<https://opcug.ca/events/springcleanup/>

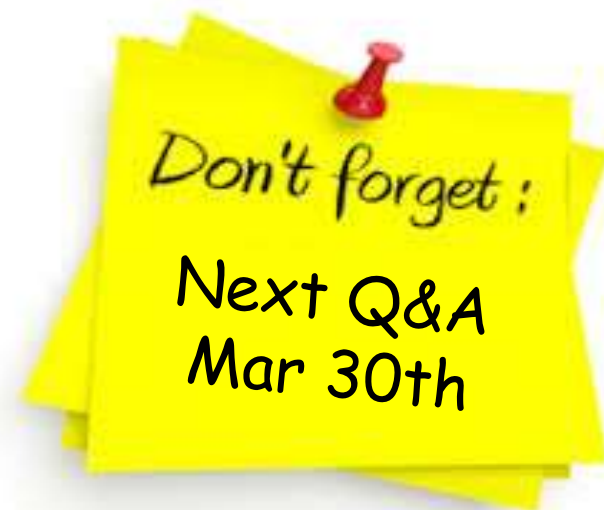
April Meeting

Office SMACKDOWN

Alan German and
Chris Taylor

April 13, 2022; 7:30 pm





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

SuggestionBox@opcug.ca

