

HOW TO CREATE A VIRTUAL BACKGROUND IN ZOOM

Presented by
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April 1, 2020

For best Zoom performance during this meeting

- **Shut down all other apps** on your computer or portable device running Zoom.
For most, this step makes Zoom reception work optimally, so you can see the slides and hear the presenter.
- If that does not solve your reception problem, then **disconnect any idle device on your home network** (phone, tablet, TV, blu ray player, Roku box, et cetera)

NOTE: My green laser pointer does not work for this presentation. 

To avoid Audio Feedback

- Use **earbuds or headphones** instead of computer speakers
- Mute you microphone when not speaking.
- You can un-mute temporarily on a computer by holding down the space bar
- You can use ALT-A as a toggle switch to un-mute and re-mute.

AGENDA:

What is a Virtual Background?

History of virtual backgrounds

Why a Virtual background is useful to *you*

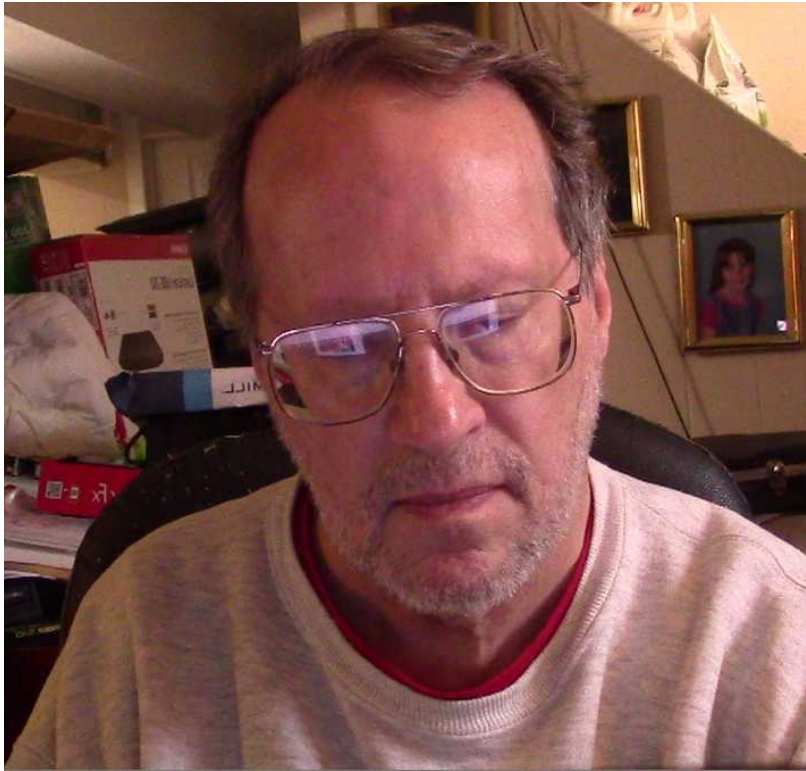
File types for virtual backgrounds

Set in advance of meeting, or during meeting

Find the Zoom app on your Windows computer

Note: All the screen captures in this slide were captured on a Windows 10 computer.

What is a virtual background?



REAL SCENE

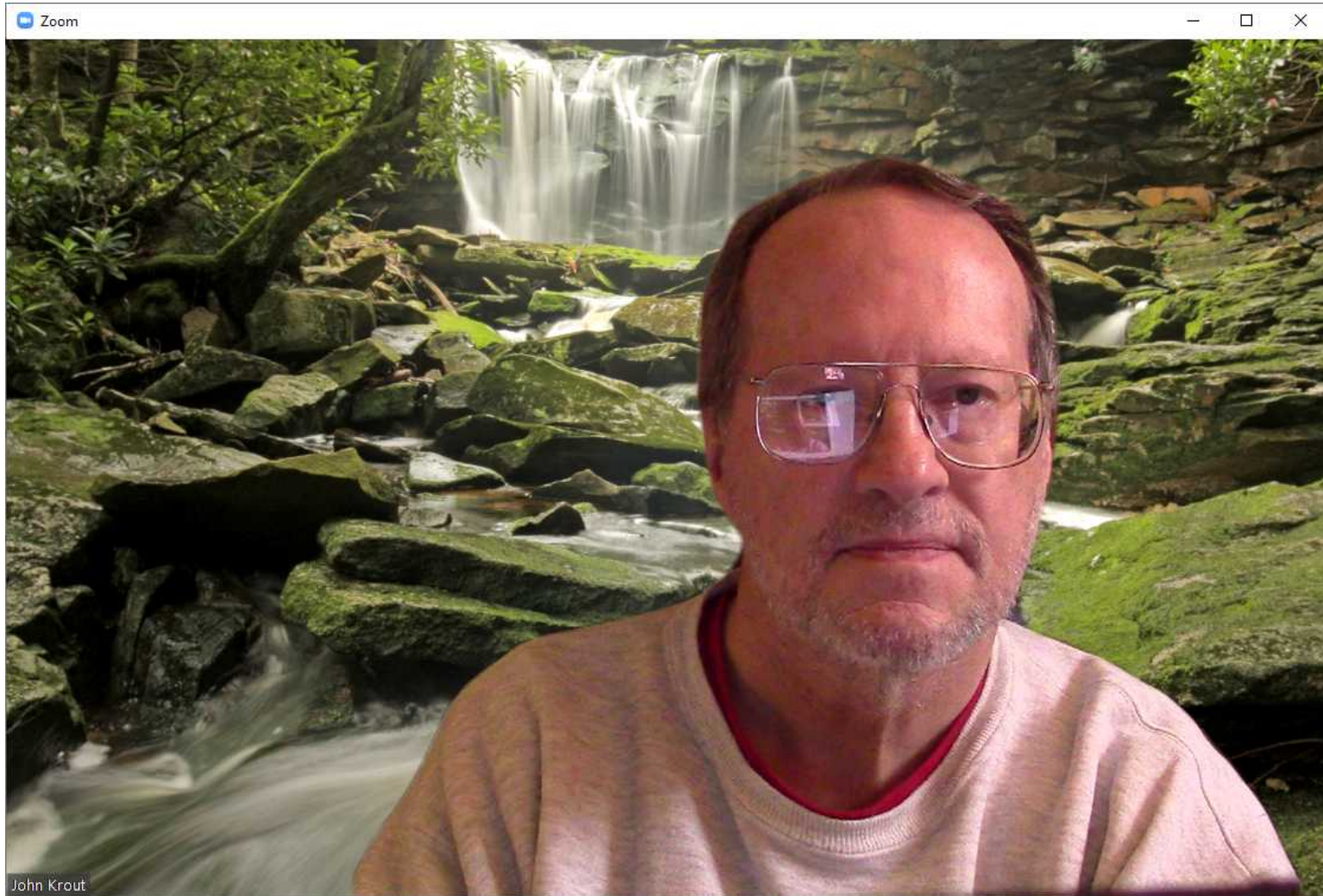


**SCENE WITH
VIRTUAL BACKGROUND**

What is a virtual background?

- Video source has a live image and a background.
- Technology identifies background pixels and replaces every pixel of that background with pixel in same location within a substitute image.
- Result: Live image is seen *in front of* the substitute image

Another Zoom example



Virtual Background History

- **ChromaKey** was widely used by TV networks and local TV news for news and for weather starting in the 1960s
- CBS: Walter Cronkite and the Vietnam war
- Bill Murray in the movie **Groundhog Day**
- **ChromaKey** required that the real background behind the talking head was a specific color that could be recognized by the hardware
- Origin of the terms Blue Screen and (later) Green Screen (“ChromaKey Green”)

Virtual Background History

- The pioneering desktop suite **Video Toaster** provided desktop virtual backgrounds using Blue Screen in the early 1990s.
 - Personal computers evolved to greater CPU and GPU power, and more RAM for both.
 - In the early 2000s, video editor software such as **Pinnacle Studio** shipped with a Green Screen in the box, for video recording. Virtual background was substituted during post-production editing with Pinnacle Studio.
- * Post-production means anything done *after* shooting the video

Virtual Background History

- Personal Computers evolved to greater CPU and GPU power, and more RAM for both.
- Now **OBS Studio** software uses Green Screen to make virtual backgrounds for real-time video streaming to Twitch et cetera.
- **Zoom** produces real-time virtual backgrounds with *no Green Screen*.

A Virtual Background is useful to *you*

- A virtual background hides the clutter.
- It is easier to set up than to clean up.
- For presenters, eliminates distractions.
- Can show off your professional background or your favorite vacation spot.
- Can display “I will be back in a moment” if you step away from the webcam.

Zoom includes some demo virtual backgrounds

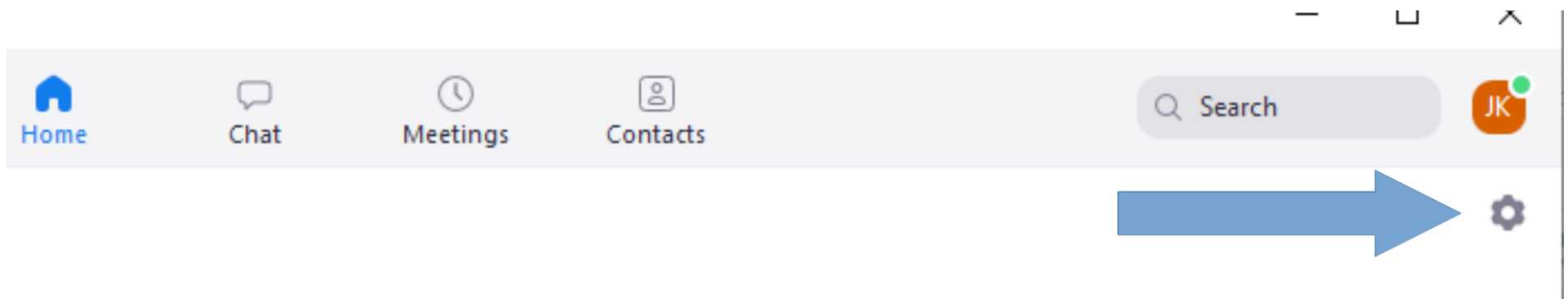
- One of the most recent is an *animation* of Northern Lights (aurora borealis).
- I downloaded Zoom for Windows **version 4.6.8** on 3/31/20. It includes **two** virtual background animations.
- I created a couple of other animations. So far.

How to set a Virtual Background

- This presentation assumes the Zoom App is installed on your Windows computer, and your webcam is running.
- At the end you will see ways to find Zoom on your Windows computer.
- ***Animated*** virtual backgrounds require Zoom version 4.6.4 or greater

How to set a Virtual Background

- Start the Zoom app for Windows
- Find the Gear icon in the **upper right corner** of the main Zoom window




- Click on the Gear icon
- Zoom Settings opens

How to set a Virtual Background

Settings

- General
- Video
- Audio
- Share Screen
- Chat
- Virtual Background
- Recording
- Advanced Features


- Start Zoom when I start Windows
- When closed, minimize window to the notificatic
- Use dual monitors
- Enter full screen automatically when starting or
- Automatically copy invitation URL once the meet
- Ask me to confirm when I leave a meeting
- Show my connected time
- Remind me minutes before my upcc



How to set a Virtual Background


Settings

- General
- Video
- Audio
- Share Screen
- Chat
- Virtual Background**
- Recording
- Profile
- Statistics
- Feedback
- Keyboard Shortcuts
- Accessibility




Rotate 90°

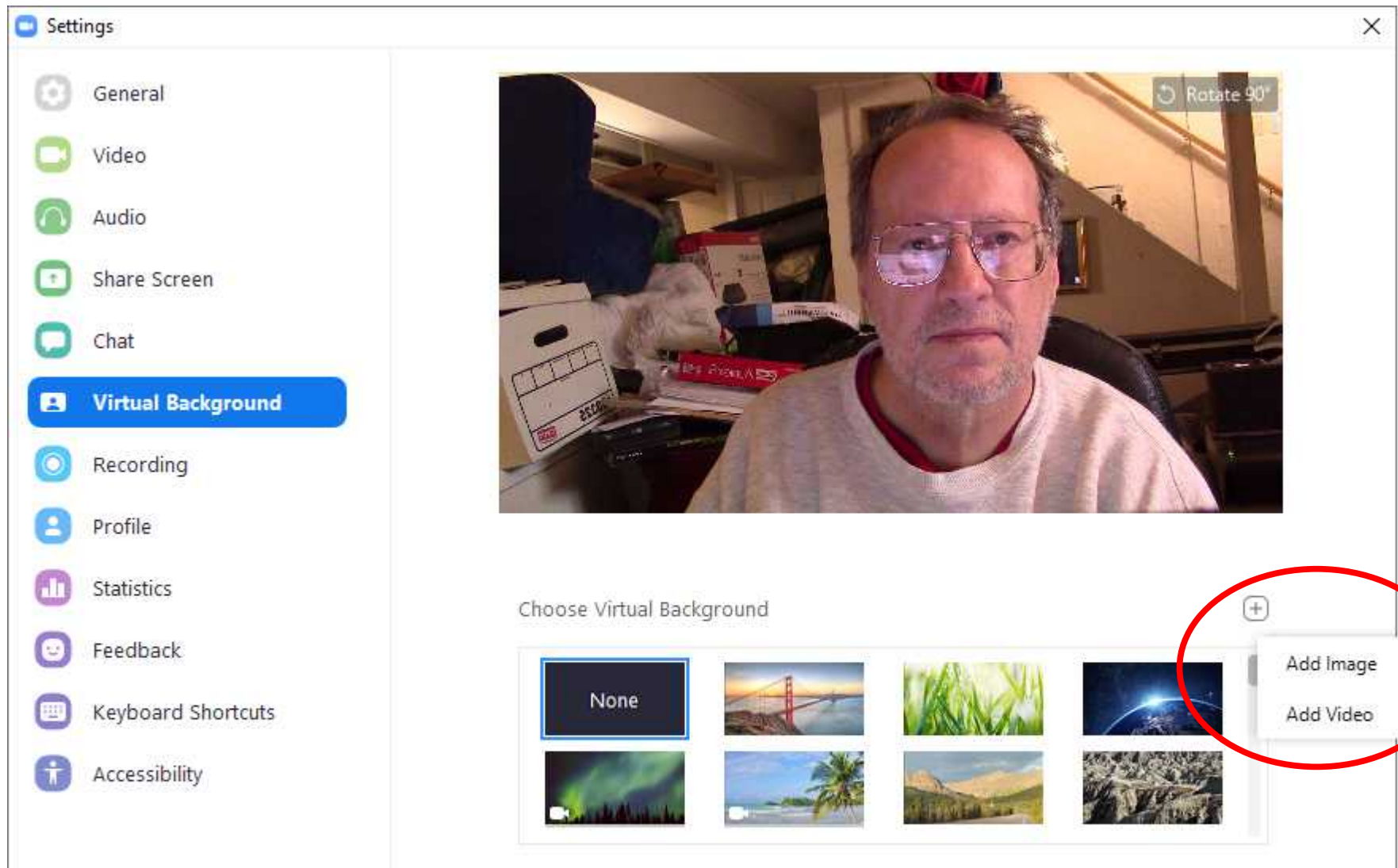
Choose Virtual Background



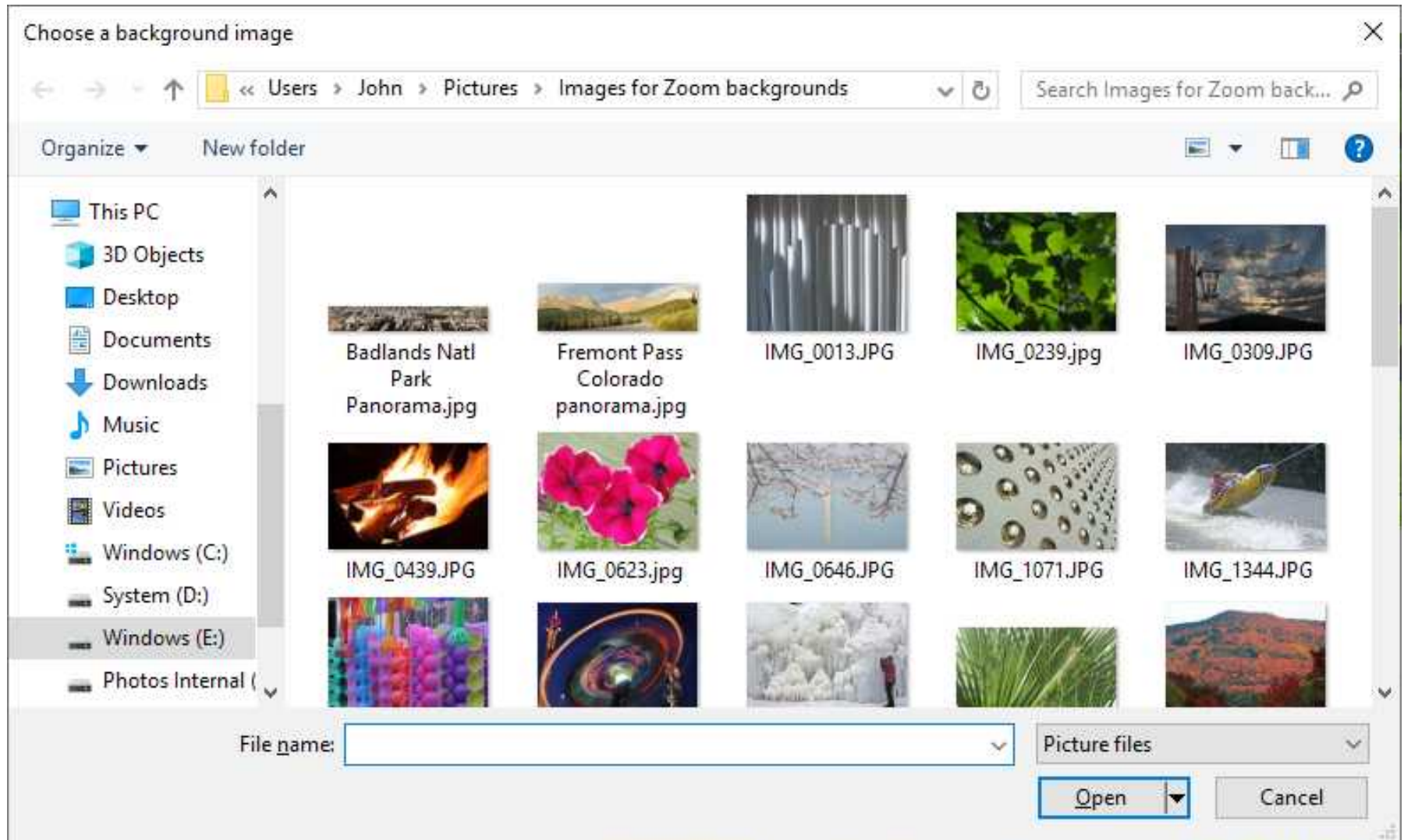
+



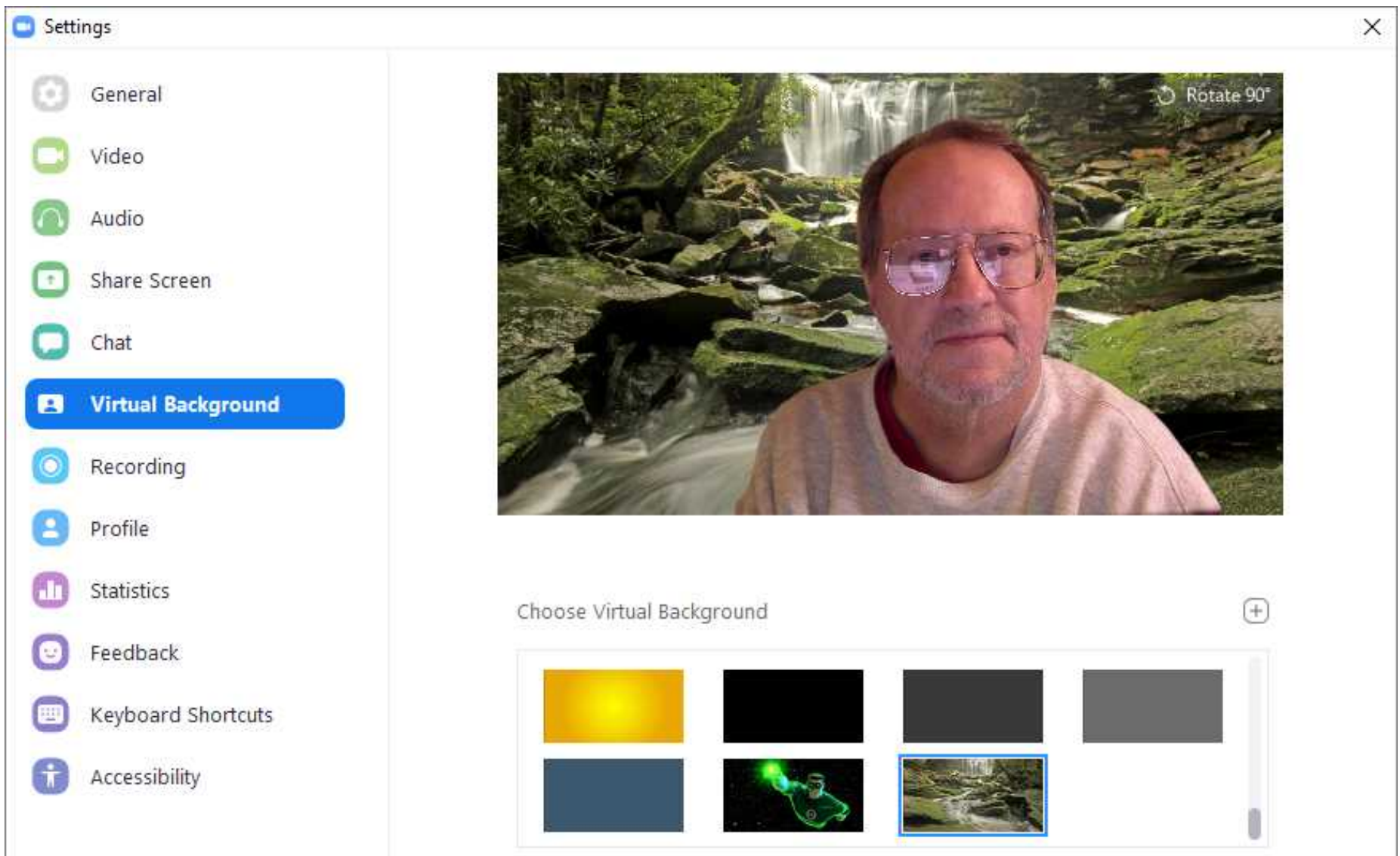
How to set a Virtual Background



How to set a Virtual Background



How to set a Virtual Background – Done!



The image shows a screenshot of the Zoom application's settings window, specifically the 'Virtual Background' section. On the left, a sidebar lists various settings categories: General, Video, Audio, Share Screen, Chat, Virtual Background (highlighted in blue), Recording, Profile, Statistics, Feedback, Keyboard Shortcuts, and Accessibility. The main area displays a preview of a man with glasses and a light-colored sweater against a virtual background of a waterfall in a forest. A 'Rotate 90°' button is visible in the top right corner of the preview. Below the preview, the text 'Choose Virtual Background' is followed by a grid of seven background options. The selected background, which is the waterfall scene, is highlighted with a blue border. A plus sign icon is located to the right of the grid, and a vertical scrollbar is on the far right.

Settings

- General
- Video
- Audio
- Share Screen
- Chat
- Virtual Background**
- Recording
- Profile
- Statistics
- Feedback
- Keyboard Shortcuts
- Accessibility

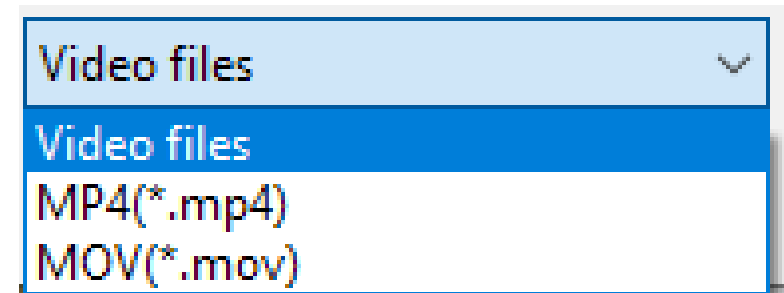
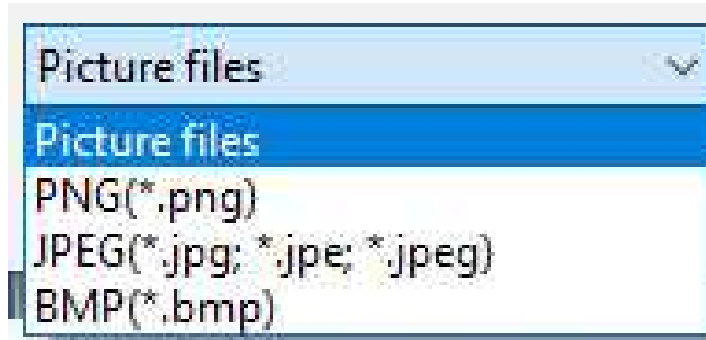
Rotate 90°

Choose Virtual Background

Virtual Background Options:

- Yellow gradient
- Black
- Dark gray
- Light gray
- Blue
- Green superhero
- Waterfall**

Virtual Background file types



Setting a Virtual Background *during* a meeting

- You can use the same technique, assuming you Joined the meeting using the Zoom app.
- The main Zoom window is still open, and you can still click on the Gear icon.
- Changes you make take effect immediately.

How to find the Zoom App

- If you have clicked on the URL in a Zoom invitation email like this one, then Zoom is almost certainly installed on your computer.

Hi there,

You are invited to a Zoom webinar.

When: Mar 28, 2020 03:00 PM Eastern Time (US and Canada)

Topic: Forum cohost training

Please click the link below to join the webinar:

<https://zoom.us/j/227203493>

Or iPhone one-tap :

US: +16468769923,,227203493# or +13126266799,,227203493#

Or Telephone:

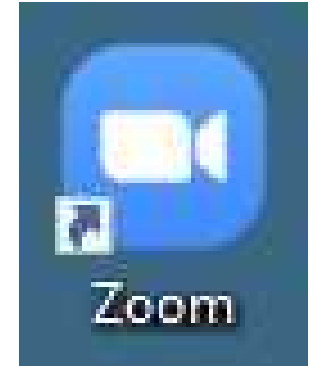
Dial(for higher quality, dial a number based on your current location):

US: +1 646 876 9923 or +1 312 626 6799 or +1 669 900 6833 or +1 253 21

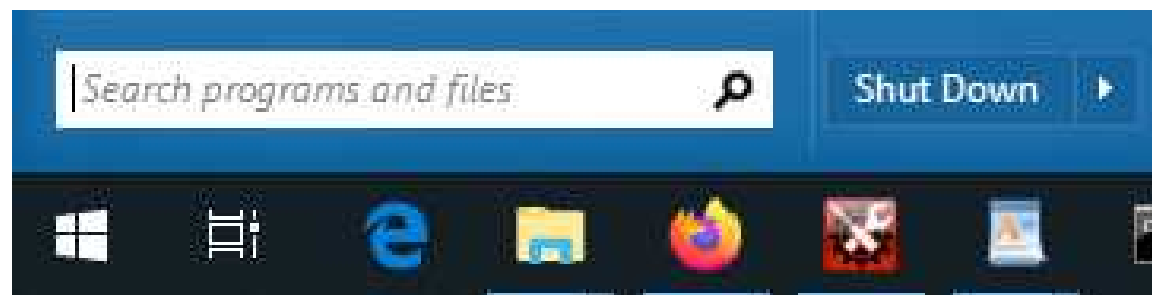
Webinar ID: 227 203 493

How to find the Zoom App

- If you see this icon on your Windows desktop, then you can click on it to start the Zoom app.

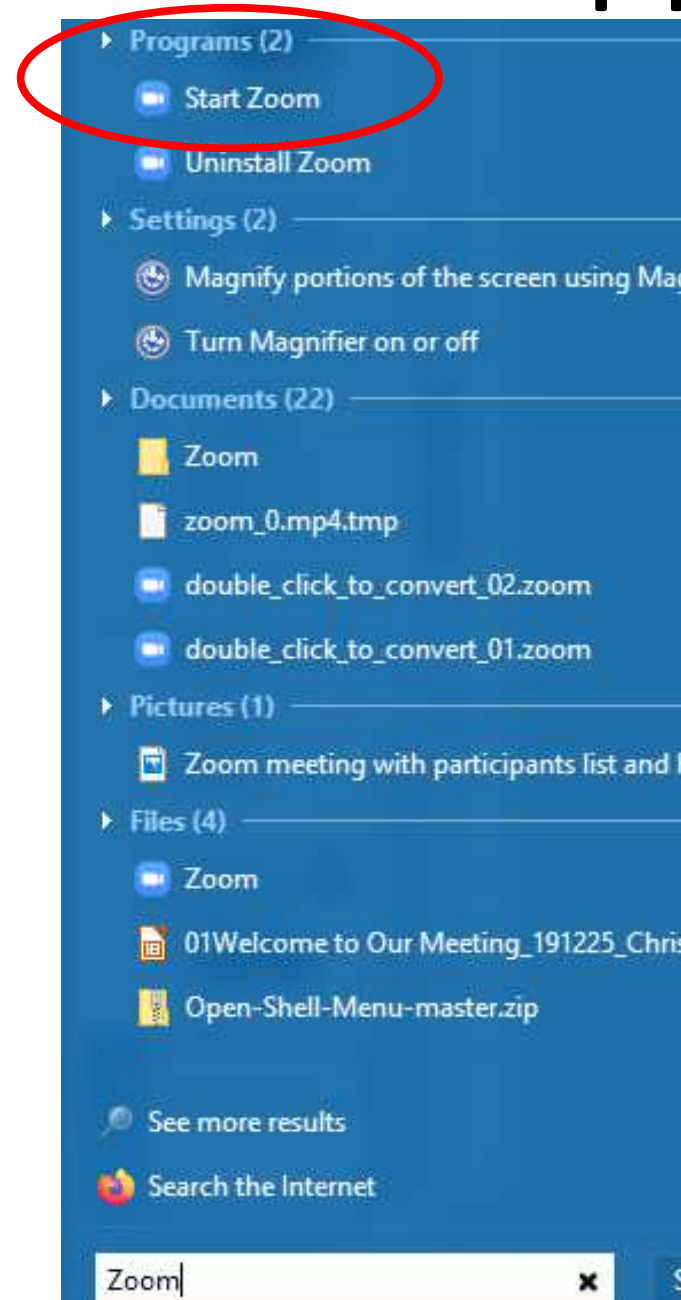


- If you do ***not*** see the Zoom icon, then tap the Windows key to show the Start Menu, and find the Search field at the bottom, like this.



How to find the Zoom App

- In the Search field, type the word **Zoom**
- The Start Menu displays Search Results
- Choose **Start Zoom**
- *Avoid Uninstall Zoom*



John's Tips

- Zoom defaults to a Mirror Display, a left-right flip of your video image.
- I flipped all my virtual background photos so those would look OK.
- I have no way to flip animations!

John's Tips

You can use Settings to *undo* the Mirror display, so animated virtual backgrounds are not left/right flipped.



Virtual Background



I have a green screen ?

Mirror my video

Choose Virtual Background



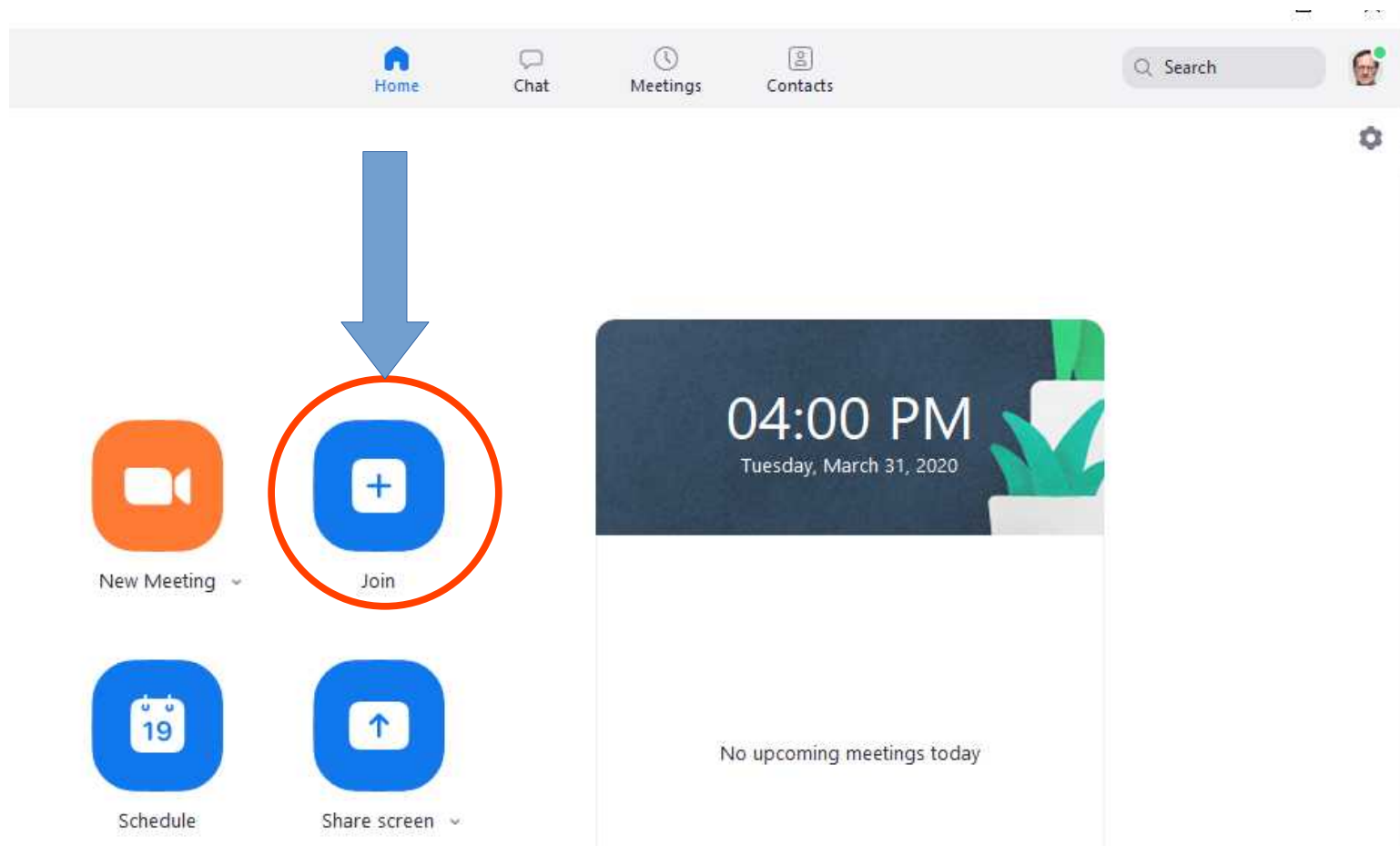
I have a green screen ?

Mirror my video

John's Tips

Join a Zoom Meeting or Webinar after starting the Zoom App:

- Click on the **Join** icon

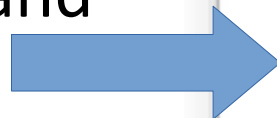


John's Tips

Paste or type the Meeting ID here



Type your first and last name here



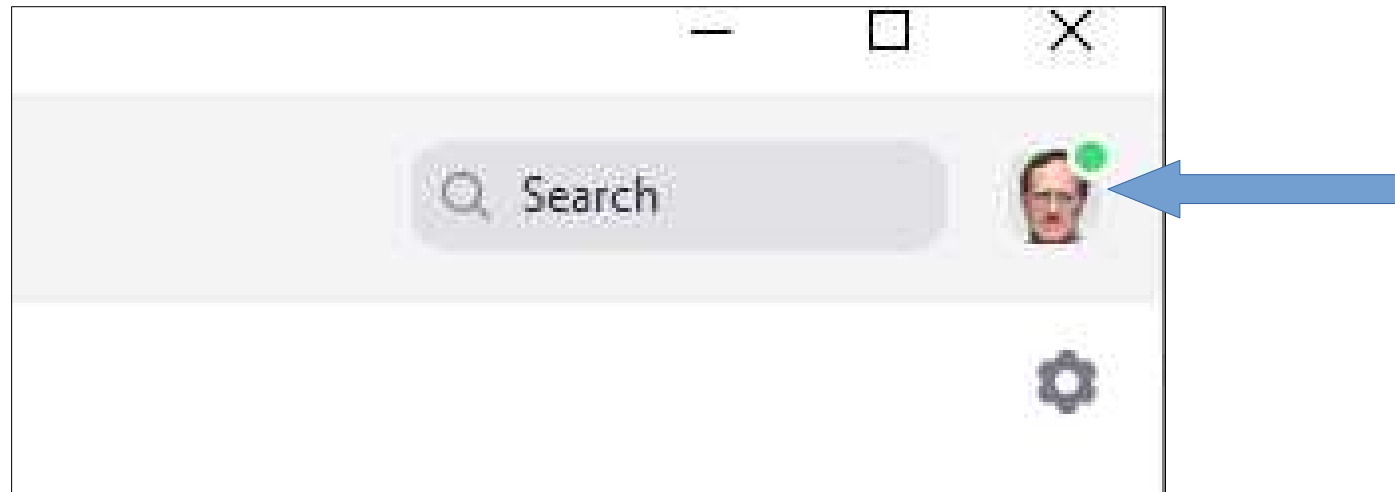
Click on the **Join** button

A screenshot of the Zoom 'Join Meeting' dialog box. The window title is 'Zoom'. The main heading is 'Join Meeting'. There are three input fields: the first is for the meeting ID or personal link name, the second contains the name 'John Krout', and the third is for the name. Below the input fields are two checkboxes: 'Do not connect to audio' and 'Turn off my video'. At the bottom are two buttons: 'Join' and 'Cancel'. The 'Join' button is highlighted with a blue arrow.

Find your Zoom Version ID

Find your Zoom version ID through the Zoom app main screen:

- Click on the icon in the far upper right corner, next to the Search field and above the Gear icon

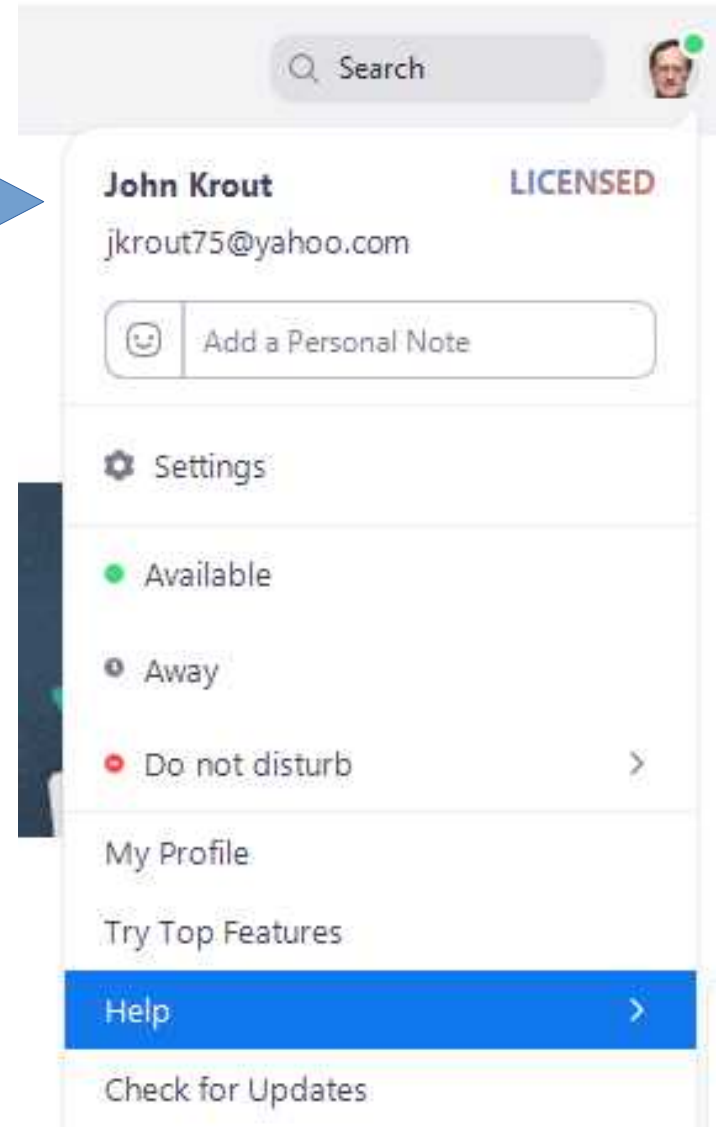
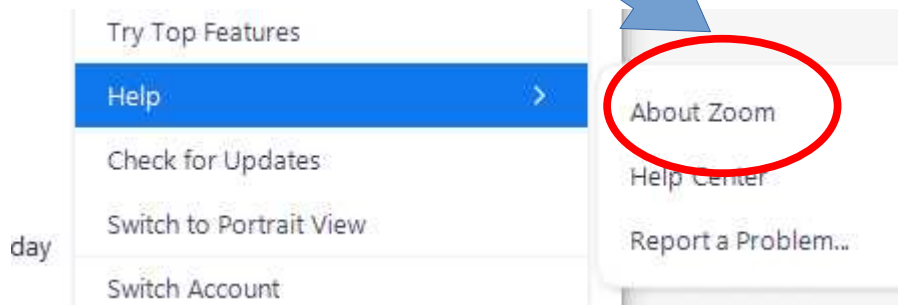


Find your Zoom version ID

- Click on that icon.
A menu appears.



- Select **Help**.
A submenu appears.
- Select **About Zoom**.



Find your Zoom version ID

