



CRASHKOECK.COM

OBS STREAM INSTABILITY TROUBLESHOOTING CHART

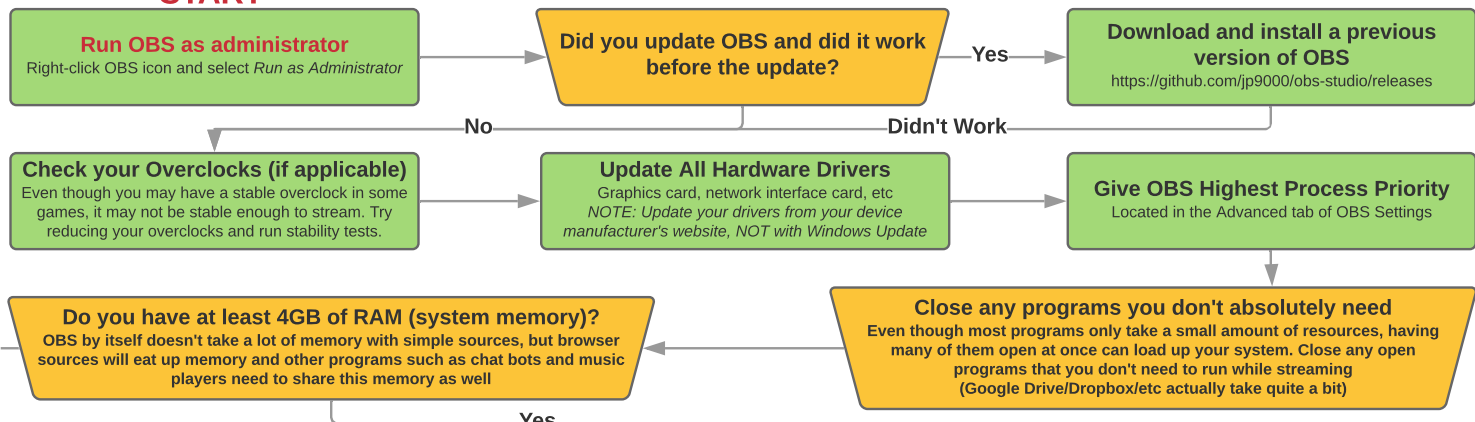
Version 1.8 | Modified 18.05.20

Do a **Twitch Bandwidth Test** for at least 5 minutes after completing an action in a green box to see if your issue has been resolved or if it has at least improved. Proceed until desired result achieved or until end of tree reached - you don't have to go to the next item if the last one you tried works. Run the bandwidth test as if it were a full stream.

Notes:

- Although this chart is designed with Twitch in mind, the only part that may be different with another service like YouTube or Mixer is the "Dropped Frames" section, in which case most of the techniques will still generally apply
- Although this chart is designed with OBS in mind, most of the settings are identical in Streamlabs OBS and OBS.Live. There is no stats window in Streamlabs OBS, but there is an alert system that will inform you if you get a high amount of missed, skipped, or dropped frames
- This chart is designed with Windows 10 in mind. If you are using a different operating system, some features and options won't be available to you.
- Do not skip steps without first consulting Crash or someone with OBS. Skipping steps not only could waste your time, but could cause more issues
- There is still some general confusion about Windows 10 Game Mode with many streamers. Ever since Windows 10 version 1903, OBS has been whitelisted as a "game" and Windows will properly allocate resources to it. Step is noted below.
- It is **STRONGLY** recommended that if you're on a PC, run Windows 10. The newer versions of OBS are designed to take advantage of Windows 10 features.

START



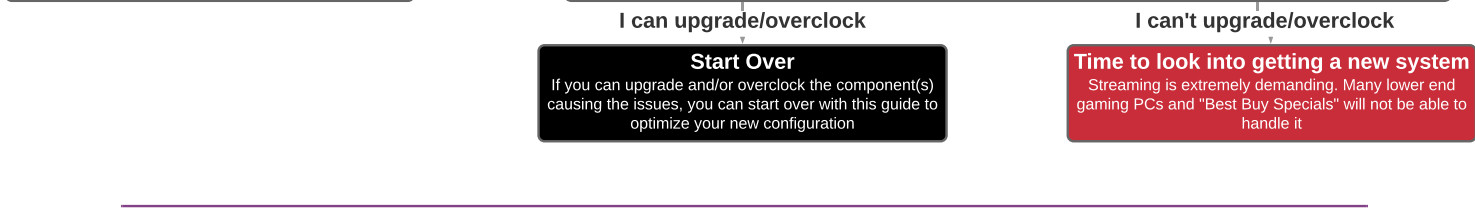
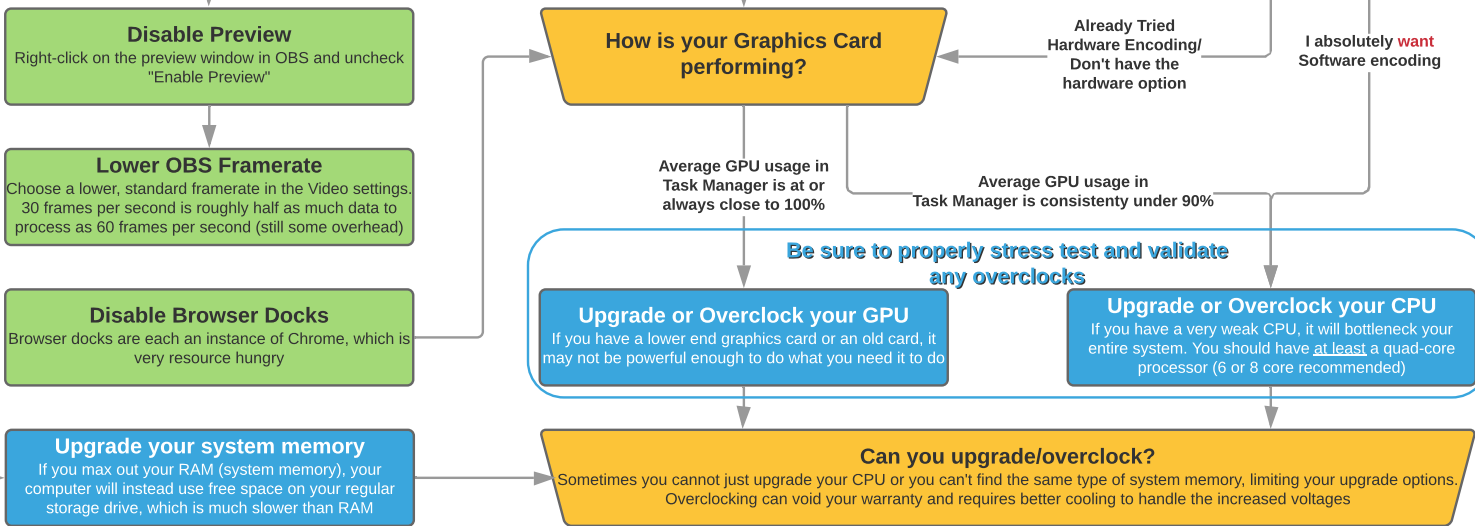
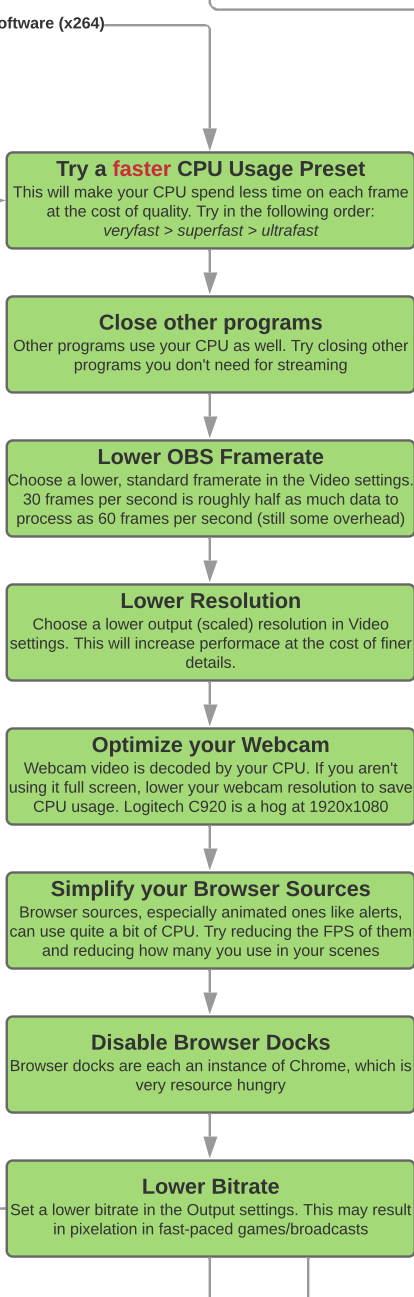
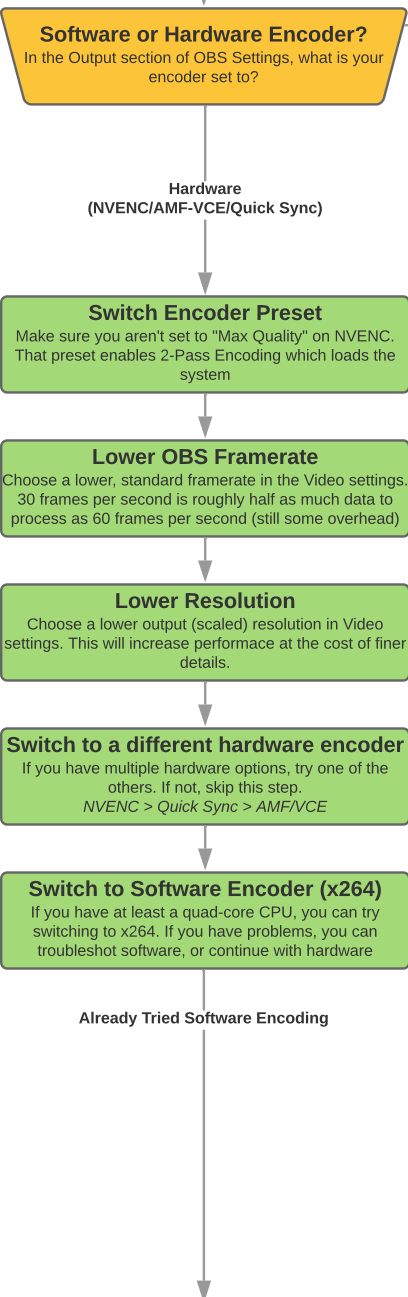
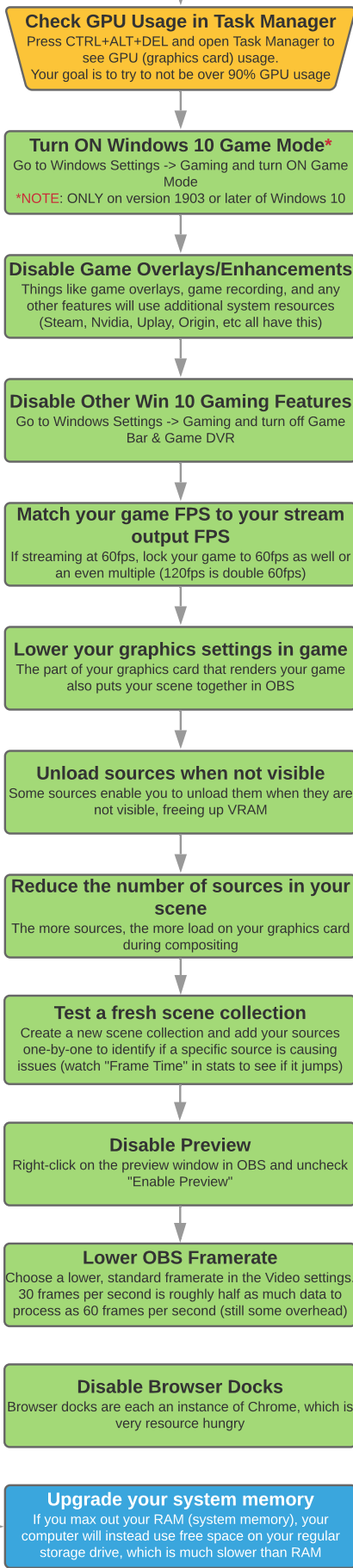
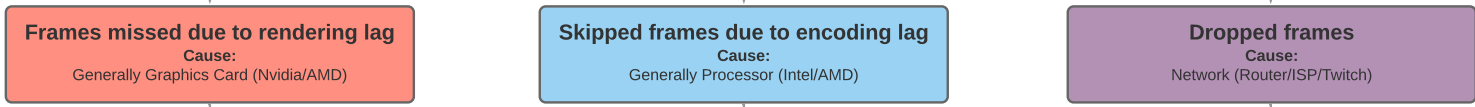
Set Output Mode to "Simple" in OBS Settings

Unless you are intentionally doing multi-track recording, are already familiar with FFmpeg custom settings, or know specifically what you need within "Advanced" mode, leave the Output Mode set to "Simple". As an example, a majority of the OBS devs use the "Simple" mode when they stream and even many of the most advanced streams out there leave it on "Simple" mode. Changing to "Advanced" mode when not needed often results in more issues arising.

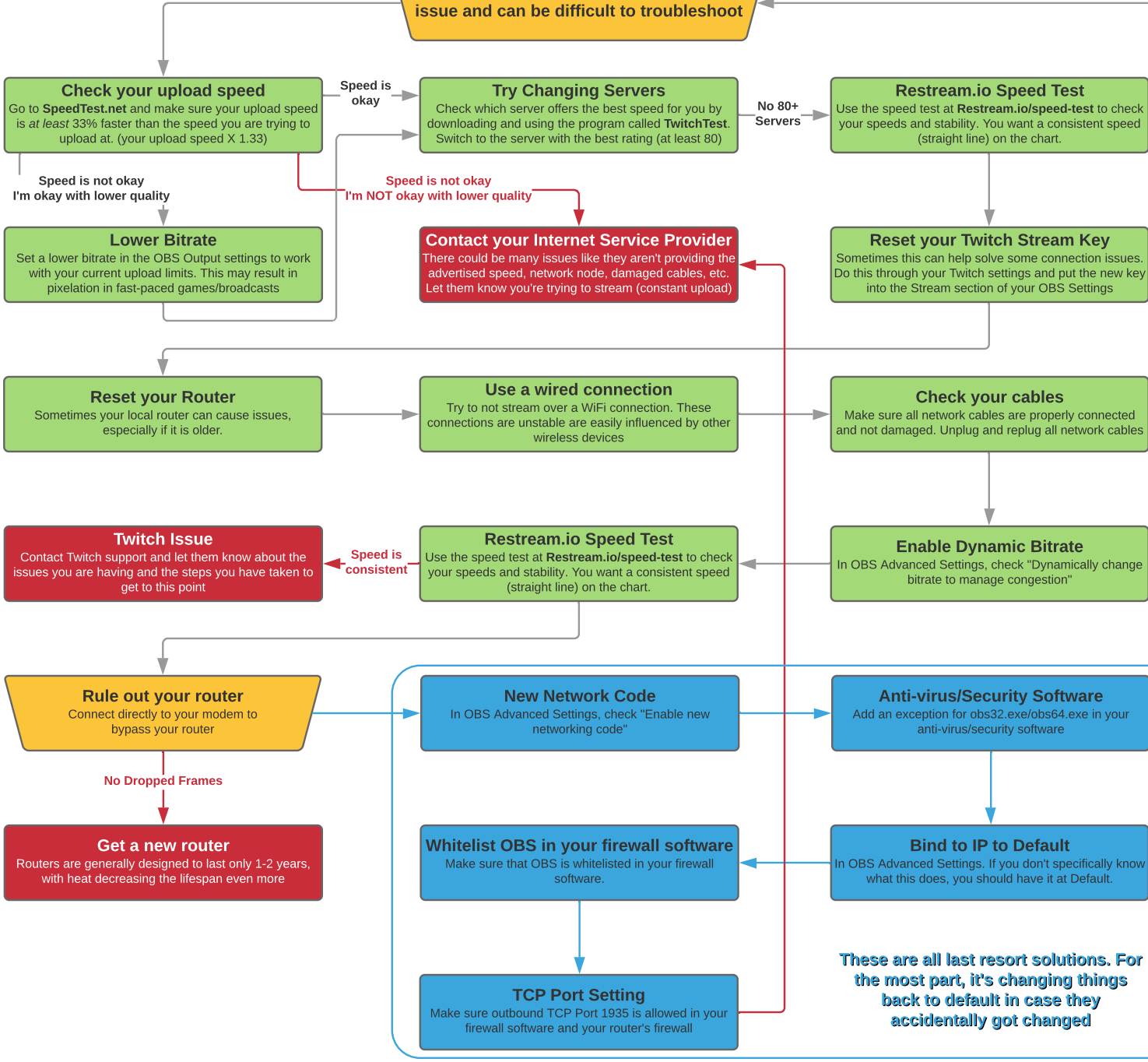
What is happening in the OBS Stats window?

Open the stats window from the View menu in the OBS taskbar and see what happens during a test stream. Almost every stream will have an occasional hiccup and it's not uncommon to have between 0% and 1% missed/skipped frames due to multiple alerts or animations and between 0% and 1% dropped frames now and then just because of other people using internet within your household or a small "blip" with your ISP.

If you have a combination of missed and skipped frames, start with solving for missed frames first as sometimes that can cause issues down the chain with encoding.



Dropped Frames are a result of a network issue and can be difficult to troubleshoot



Find a mistake? Did I miss something? Contact me on Twitter @CrashKoeck and I'll update this sheet