OBS NINJA AUTOMATION CHEAT SHEET

MAC - CHROME FROM COMMAND LINE

- run any macOS app from the command line or from a script using the **open** command
- helpful parameters for the open command are -a (the app), -n (open a new instance) and --args (any other arguments that are passed to the app)
- example command line to open Chrome with a URL:
  ```
  open -n -a "Google\ Chrome" --args "https://obs.ninja/?push=s001&q=1"
  ```
- the URL passed as an argument can contain the entire OBSN stream configuration

MAC - CHROME FROM APPLICATION

- use Automator to create an app that starts Chrome with the parameters of your choice
- in Automator, create a new Application
- add the "Run Shell Script" action
- add your command line to the Run Shell Script box
- example: open -n -a Google\ Chrome --args "https://obs.ninja/?push=s001&q=1"

ELECTRON APP FROM COMMAND LINE

- the electron app handles the following parameters:
  ```
  -t TITLE
  --width WIDTH
  --height HEIGHT
  --url URL
  ```
- example macOS command line:
  ```
  open -n -a OBSN --args -t GUEST1 --width=1280 --height=720 --url "https://obs.ninja/?view=s001"
  ```
- example Windows command line:
  ```
  OBSN -t GUEST1 --width=1280 --height=720 -u https://obs.ninja/?view...
  ```

ELECTRON APP FROM MAC APPLICATION

- use Automator to create an app that starts the electron app with the parameters of your choice
- in Automator, create a new Application
- add the "Run Shell Script" action
- add your command line to the Run Shell Script box
- example macOS command line:
  ```
  open -n -a OBSN --args -t GUEST1 --width=1280 --height=720 --url "https://obs.ninja/?view=s001"
  ```

START HERE (GENERAL INFORMATION)

- in OBS Ninja (OBSN) you normally select video/audio input/output devices in the GUI
- alternatively you can use URL parameters to automate this seletion and build a hands-free solution
- this is especially helpful if you repeatedly need to open the same devices and for scripting
- you can start Chrome or the electron app from the command line with according parameters
- you can use scripts to start multiple instances of OBSN simultaneously
- you can even pre-select audio and video input devices and an audio output device for quicker setup
- on Mac you can even create an Application to start OBSN with no further manual interacation

Parameter reference: params.obs.ninja
Github: github.obs.ninja
Discord: discord.obs.ninja
Reddit: reddit.com/r/obsninja

AUDIO OUT - SINK METHOD

- after you selected an audio output device inside the # ELECTRON APP, you will notice that the URL got a &sink= parameter added to it
- this parameter is the internal ID of the exact audio device that you selected
- you can reuse that sink parameter to circumvent future output device selection
- the &sink parameter is browser and version specific. After an update to a new version of the electron app or a new version of Chrome, the sink will be different
- also obs.ninja/devices will show you all IDs

AUTO DEVICE SELECTION

- Instead of manually selecting devices, you can ask OBSN to select based on name:
  ```
  &ad=<audio input device>
  &vd=<video input device>
  &od=<audio output device>
  ```
- `<... device>` will be pattern matched against all devices of the according type on your system
- the match is case independent and will find all respective devices that contain that string
- if the string matches multiple devices, the first matching device will be used by OBSN
- example:
  ..&ad=rode&vd=face&od=rode will pre-select "RODE NT-USB" and "FaceTime HD Camera (built-in)" for audio/video input and "RODE NT-USB" as headphone output

NO-CLICK AUTO JOIN

- to make the process of joining a stream even quicker (e.g. hands-free), OBSN offers the &autojoin parameter
- when added to the sending URL, and when combined with &ad, &vd and/or &od, it can make joining with the right devices pre-selected a one-click process
- auto join requires the &wc parameter to also be present

WIN - CHROME AUTOMATION

- right click OBSN.exe
- select "Create shortcut"
- right click newly created shortcut, select "Properties"
- customize the "Target" field with your custom parameters
- example: D:\OBSN\obsn.exe --title "TITLE" --url "https://obs.ninja/..."