Infrastructure

Reconnecting an Ejected USB Disk on Synology

You might want to reconnect an ejected USB backup drive prior to a new backup. This is helpful if you have staff swapping out disks, as it ejects on job completion and reconnects prior to your backup task running with HyperBackup.

First in the SSH cli run **lsusb** and find the device you wish to reconnect.

```
nasadmin@INTNAS:/$ lsusb
|__usb1            1d6b:0002:0404 09  2.00   480MBit/s 0mA 1IF   (Linux 4.4.302+ xhc
i-hcd xHCI Host Controller 0000:08:00.3) hub
  |__1-1          f400:f400:0100 00  2.00   480MBit/s 200mA 1IF  (Synology DiskSta
tion 65002A590D1A2E18)
  |__1-2          0764:0601:0200 00  2.00    12MBit/s 2mA 1IF   (CPS PR1500LCD PYTJ
Y2000040)
|__usb2            1d6b:0003:0404 09  3.00 5000MBit/s 0mA 1IF   (Linux 4.4.302+ xhc
i-hcd xHCI Host Controller 0000:08:00.3) hub
  |__2-3          152d:0578:0100 00  3.00 5000MBit/s 896mA 1IF   (JMicron USB3.0 E
xternal HDD 0000AB123501)
nasadmin@INTNAS:/$ █
```

Then create a scheduled task prior to your backup running with the following commands. You'll need to replace the account-password-here with the admin account you are using to schedule the task and the USB device as well.

The first command is a safe ejection of the device in case it is connected at the time of the reconnection attempt. This prevents the NAS from complaining that the disk wasn't ejected safely.

```
sudo -S <<< "account-password-here"  sh -c "synousbdisk -umount usb2"
sudo -S <<< "account-password-here"
  sh -c "echo 0 > /sys/bus/usb/devices/usb2/authorized"
sudo -S <<< "account-password-here"
  sh -c "echo 1 > /sys/bus/usb/devices/usb2/authorized"
```

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