Beyond the good ol' LaunchAgents - 15 - xsanctl

theevilbit.github.io/beyond/beyond 0015

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This is part 15 in the series of "Beyond the good ol' LaunchAgents", where I try to collect various persistence techniques for macOS. For more background check the <u>introduction</u>.

I run into this not so exciting persistent method when I was investigating xsanctl for... other... reasons... xsanctl is a "Xsan file system control utility", which allows us to mount and manage Xsans.

The xsanctl binary can be found at

/System/Library/Filesystems/acfs.fs/Contents/bin/xsanctl, however when we simply run the command it is run from /usr/sbin/xsanctl. If we check, this is a symbolic link.

```
csaby@mac exploits % ls -l /usr/sbin/xsanctl
lrwxr-xr-x 1 root wheel 63 Jan 1 2020 /usr/sbin/xsanctl ->
/System/Library/Filesystems/acfs.fs/Contents/bin/redirection.sh
```

Interestingly the link points to a script and not the actual binary.

The script is very short.

It will execute the file /Library/Preferences/Xsan/.xsanrc if exists. Moreover it will also look for the xsanctl binary in different location if the XSAN_ALT_BINDIR environment variable is defined, which allows further redirection.

Essentially we can persist in the /Library/Preferences/Xsan/.xsanrc script. Unfortunately this location requires root access, and this utility likely also not frequently run, especially by non-enterprise users.

So it's not super useful, but thought it would worth a quick post.