WATCHING THE WATCHES



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What & Why?

- Scope
 - macOS 3rd Party Monitoring Software
 - Objective-See
 - Little Snitch
 - Sophos
 - iStat Menus
- Data Sources
 - Application Logs
 - System Logs (Unified Logs)
- Different Investigative Uses

- Device Usage & State
- Processes & Applications Usage
- Location
- Network Activity
- Software Installations
- Attached Volumes
- File Downloads
- Disk Usage
- Web Browsing



OBJECTIVE-SEE DO NOT DISTURB



Objective-See – Do Not Disturb Enable or Disabled – Unified Logs

■ log show ---info --predicate 'eventMessage contains "DND"'

```
identityservicesd: (IMFoundation) [com.apple.IDS:Registration] <private>:
2019-05-24 08:23:16.576467+0200 0xd71
                      Default
                           0x0
                              341
                                                                                 DND Enabled: NO
2019-05-24 08:23:16.577401+0200 0xd71
                                     DND Enabled: NO
                      Default
                           0x0
                              341
                                     2019-05-24 08:23:20.008294+0200 0xd71
                      Default
                           0x0
                              341
                                                                                 DND Enabled: YES
                                     Default
2019-05-24 08:23:20.008888+0200 0xd71
                           0x0
                              341
                                                                                 DND Enabled: YES
2019-05-24 08:36:28.543931+0200 0xd71
                      Default
                              341
                                     DND Enabled: NO
                           0x0
                                     identityservicesd: (IMFoundation) [com.apple.IDS:Registration] <private>:
2019-05-24 08:36:28.544513+0200 0xd71
                      Default
                           0x0
                              341
                                                                                 DND Enabled: NO
                                     2019-05-24 08:39:22.519578+0200 0xd71
                      Default
                           0x0
                              341
                                                                                 DND Enabled: YES
2019-05-24 08:39:22.520254+0200 0xd71
                              341
                                     DND Enabled: YES
                      Default
                           0x0
                                     DND Enabled: NO
2019-05-24 08:41:28.238207+0200 0xd71
                      Default
                           0x0
                              341
                                     2019-05-24 08:41:28.239125+0200 0xd71
                      Default
                           0x0
                              341
                                                                                 DND Enabled: NO
2019-05-24 08:41:28.681095+0200 0xd71
                      Default
                              341
                                     DND Enabled: YES
                                     DND Enabled: YES
2019-05-24 08:41:28.683372+0200 0xd71
                      Default
                           0x0
                              341
```

Objective-See - Do Not Disturb Laptop Lid State 2019-05-16 00:05:44 +0000: [NEW EVEN] 2019-05-16 02:08:40 +0000: [NEW EVEN] 2019-05-17 00:39:16 +0000: [NEW EVEN]

- /Library/Objective-See/DND/DND.log
- Potential Session Usage
- Device Use Frequency

```
DND Alert 2019-05-30 12:06:34 GMT+2

Dismiss
```

```
2019-05-16 00:05:44 +0000: [NEW EVENT] lid state: open (sleep state: 0)
2019-05-16 02:08:40 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-17 00:39:16 +0000: [NEW EVENT] lid state: open (sleep state: 1)
2019-05-17 00:42:31 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-17 02:49:09 +0000: [NEW EVENT] lid state: open (sleep state: 1)
2019-05-17 02:50:42 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-17 12:37:43 +0000: [NEW EVENT] lid state: open (sleep state: 1)
2019-05-17 12:46:22 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-17 12:57:00 +0000: [NEW EVENT] lid state: open (sleep state: 0)
2019-05-17 13:12:20 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-17 13:12:24 +0000: [NEW EVENT] lid state: open (sleep state: 1)
2019-05-17 13:12:48 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-17 13:18:09 +0000: [NEW EVENT] lid state: open (sleep state: 0)
2019-05-17 13:19:35 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-17 14:09:16 +0000: [NEW EVENT] lid state: open (sleep state: 0)
2019-05-17 16:18:13 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-18 14:11:15 +0000: [NEW EVENT] lid state: open (sleep state: 1)
2019-05-20 06:24:44 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-20 06:33:42 +0000: [NEW EVENT] lid state: open (sleep state: 0)
2019-05-20 15:55:19 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-20 16:35:43 +0000: [NEW EVENT] lid state: open (sleep state: 0)
2019-05-20 16:40:04 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-20 16:42:47 +0000: [NEW EVENT] lid state: open (sleep state: 0)
2019-05-20 16:46:21 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-21 16:13:57 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
2019-05-21 16:15:49 +0000: [NEW EVENT] lid state: open (sleep state: 0)
2019-05-21 17:06:44 +0000: [NEW EVENT] lid state: closed (sleep state: 0)
2019-05-22 06:39:39 +0000: [NEW EVENT] lid state: open (sleep state: 1)
2019-05-22 15:24:46 +0000: [NEW EVENT] lid state: closed (sleep state: 0)
2019-05-22 15:41:31 +0000: [NEW EVENT] lid state: open (sleep state: 1)
2019-05-22 16:57:00 +0000: [NEW EVENT] lid state: closed (sleep state: 1)
```

Objective-See - Do Not Disturb USB & Volumes | 2019-05-09 04:58:30 +0000: monitor event: 2019-05-09 04:58:30 +0000: usb device name 2019-05-09 04:58:30 +0000: usb device prop "Built-In" = 0;

- /Library/Objective-See/DND/DND.log
- USB Usage....however not all usage...only the first 3 minutes



```
2019-05-09 04:58:30 +0000: monitor event: usb device inserted
2019-05-09 04:58:30 +0000: usb device name: Nexcopy Device
2019-05-09 04:58:30 +0000: usb device properties: {
    "Built-In" = 0;
    "Bus Power Available" = 450;
    "Device Speed" = 3;
    IOCFPlugInTypes =
        "9dc7b780-9ec0-11d4-a54f-000a27052861" = "IOUSBFamily.kext/Contents/PlugIns/IOUSBLib.bundle";
    IOClassNameOverride = IOUSBDevice:
    IOGeneralInterest = "IOCommand is not serializable";
    IOPowerManagement =
        CapabilityFlags = 65536;
        CurrentPowerState = 3:
        DevicePowerState = 0:
        DriverPowerState = 3;
        MaxPowerState = 4;
    IOUserClientClass = IOUSBDeviceUserClientV2;
    PortNum = 2;
    "USB Address" = 1;
    "USB Product Name" = "Nexcopy Device ";
    "USB Serial Number" = "030419-74480";
    "USB Vendor Name" = "Generic ";
    bDeviceClass = 0;
    bDeviceProtocol = 0:
    bDeviceSubClass = 0:
    bMaxPacketSize0 = 9;
    bNumConfigurations = 1;
    bcdDevice = 4352;
    bcdUSB = 768;
    iManufacturer = 1;
    iProduct = 2;
    iSerialNumber = 3;
    idProduct = 4096;
    idVendor = 2316;
    locationID = 2097152;
    "non-removable" = no:
    sessionID = 1245082798918828;
2019-05-09 04:58:33 +0000: monitor event: volume mounted: /Volumes/FOR518-A
    NSDevicePath = "/Volumes/FOR518-A";
    NSWorkspaceVolumeLocalizedNameKey = "FOR518-A";
    NSWorkspaceVolumeURLKey = "file:///Volumes/FOR518-A/";
```

Objective-See - Do Not Disturb Application Usage & Processes

- /Library/Objective-See/DND/DND.log
- Only the first 3 minutes...

Objective-See - Do Not Disturb User Authentication

/Library/Objective-See/DND/DND.log

```
2019-05-30 10:06:36 +0000: monitor event: user authentication user auth event
uid: 0 / pid: 302 / text: Touch ID authentication / ret: 0

2019-05-30 10:06:41 +0000: monitor event: user authentication user auth event
uid: 501 / pid: 368 / text: Verify password for record type Users 'oompa' node '/Local/Default' / ret: 5000
```

DND Alert 2019-05-30 12:06:34 GMT+2

Dismiss

Objective-See - Do Not Disturb Downloaded Files

monitor event: downloaded file: /Users/oompa/Downloads/snagit.dmg

monitor event: downloaded file: /Users/oompa/Downloads/WhatsApp.dmg

- /Library/Objective-See/DND/DND.log
- Previously Existing Files, Application Usage, Mail Attachment Opening

monitor event: downloaded file: /Users/oompa/Downloads/Sublime Text Build 3176.dmg

2019-05-20 06:33:48 +0000: monitor event: downloaded file: /Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/3a19ad94-8de7-33bf-8af0-e80e80610d85.ics 2019-05-20 06:33:48 +0000: monitor event: downloaded file: /Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/3b4ea211-dc06-39cb-b86d-19d17c486b53.ics 2019-05-20 06:33:48 +0000: monitor event: downloaded file: /Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/2243854d-20f4-3691-8876-e46196f3ddd4.ics

```
monitor event: downloaded file: /Users/oompa/Downloads/Microsoft_Office_16.19.18110915_Installer.pkg
                            monitor event: downloaded file: /Users/oompa/Downloads/VMware-Fusion-11.0.2-10952296.dmg
2019-05-18 14:13:43 +0000: monitor event: downloaded file: /Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/470bd6c5-a9f3-3774-b6b9-8c3bd8d4cd55.ics
2019-05-18 14:13:43 +0000: monitor event: downloaded file: /Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/81f5ec1f-cf4b-3c04-bb11-1f2a20012d3c.ics
2019-05-18 14:13:43 +0000: monitor event: downloaded file: /Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/628cfb64-f2bb-3448-8a33-dfbdcf7925e9.ics
2019-05-18 14:13:43 +0000: monitor event: downloaded file: /Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/24ccb28f-892f-3976-b5c0-57d57812eb4f.ics
2019-05-18 14:13:43 +0000: monitor event: downloaded file: /Users/oompa/Library/Messages/Attachments/96/06/EB5FCE20-0D15-4641-BCF5-4FC1F22AAC57/ms-4PecxX.gif
2019-05-18 14:13:43 +0000: monitor event: downloaded file: /Users/oompa/Library/Messages/Attachments/02/02/AC7C9057-FA0C-4524-AF06-407D183B2200/FullSizeRender.jpeg
2019-05-18 14:13:44 +0000: monitor event: downloaded file: /Users/oompa/Library/Messages/Attachments/20/00/D9B19889-7702-47CF-BF22-2DFC752B86A8/IMG_3335.jpeg
2019-05-18 14:13:44 +0000: monitor event: downloaded file: /Users/oompa/Library/Messages/Attachments/20/00/D9B19889-7702-47CF-BF22-2DFC752B86A8/IMG_3335.MOV
2019-05-18 14:13:44 +0000: monitor event: downloaded file: /Users/oompa/Library/Messages/Attachments/d8/08/CEAC53E5-DA3E-4B60-B96E-DE9858702FD9/57981051253 FF7FC393-21F1-4564-A6A1-4E2E39B972B0.jpeq
2019-05-18 14:13:44 +0000: monitor event: downloaded file: /Users/oompa/Library/Messages/Attachments/ee/14/6B518DAB-30DC-4E76-909C-67D00C4D5397/57981044287 5231C098-41A8-4261-8142-3151D074FCC7.jpeg
2019-05-18 14:13:44 +0000: monitor event: downloaded file: /Users/oompa/Library/Messages/Attachments/97/07/070CCD9A-90DD-4633-98E7-45E21DED9F72/IMG_3339.MOV
2019-05-18 14:14:02 +0000: monitor event: downloaded file: /Users/oompa/Library/Containers/com.apple.mail/Data/Library/Mail Downloads/62FA9A3F-CA62-432B-859A-B847AEA9F47E/Faculty Friday May 17, 2019.pdf
2019-05-18 14:14:03 +0000: monitor event: downloaded file: /Users/oompa/Library/Messages/Attachments/53/03/C2A578D5-C6E0-4C7D-B339-D462C013AEC7/57981938087 064B5D05-EF24-4D41-A331-B8021EB3EDD3.jpeg
2019-05-18 14:14:03 +0000: monitor event: downloaded file: /Users/oompa/Library/Messages/Attachments/fa/10/FECFB796-F45C-4A9A-B98F-3F046E626AA4/57982167763 43B23A54-ED1F-4AF6-A4E0-5F3E3D
                                                                                                                                                                                 JPG.jpeg
```

Objective-See - Do Not Disturb Downloaded Files

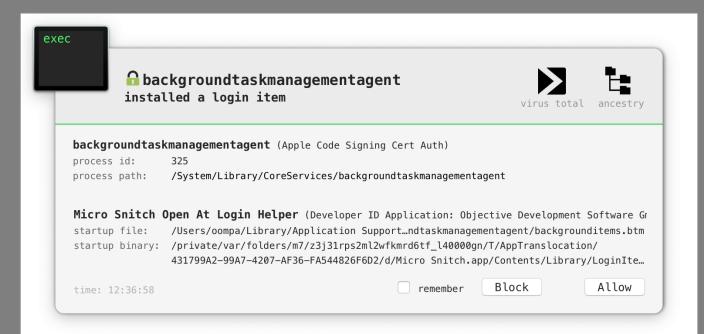
- /Library/Objective-See/DND/DND.log
- Previously Existing Files, Application Usage, Mail Attachment Opening

```
/Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/470bd6c5-a9f3-3774-b6b9-8c3bd8d4cd55.ics
/Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/81f5ec1f-cf4b-3c04-bb11-1f2a20012d3c.ics
/Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/628cfb64-f2bb-3448-8a33-dfbdcf7925e9.ics
/Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/24ccb28f-892f-3976-b5c0-57d57812eb4f.ics
/Users/oompa/Library/Messages/Attachments/96/06/EB5FCE20-0D15-4641-BCF5-4FC1F22AAC57/ms-4PecxX.gif
/Users/oompa/Library/Messages/Attachments/02/02/AC7C9057-FA0C-4524-AF06-407D183B2200/FullSizeRender.jpeg
/Users/oompa/Library/Messages/Attachments/20/00/D9B19889-7702-47CF-BF22-2DFC752B86A8/IMG_3335.jpeg
/Users/oompa/Library/Messages/Attachments/20/00/D9B19889-7702-47CF-BF22-2DFC752B86A8/IMG_3335.MOV
/Users/oompa/Library/Messages/Attachments/d8/08/CEAC53E5-DA3E-4B60-B96E-DE9858702FD9/57981051253__FF7FC393-21F1-4564-A6A1-4E2E39B972B0.jpeg
/Users/oompa/Library/Messages/Attachments/ee/14/6B518DAB-30DC-4E76-909C-67D00C4D5397/57981044287__5231C098-41A8-4261-8142-3151D074FCC7.jpeg
/Users/oompa/Library/Messages/Attachments/97/07/070CCD9A-90DD-4633-98E7-45E21DED9F72/IMG_3339.MOV
/Users/oompa/Library/Messages/Attachments/97/07/070CCD9A-90DD-4633-98E7-45E21DED9F72/IMG_3339.jpeg
/Users/oompa/Library/Containers/com.apple.mail/Data/Library/Mail Downloads/62FA9A3F-CA62-432B-859A-B847AEA9F47E/Faculty Friday May 17, 2019.pdf
/Users/oompa/Library/Messages/Attachments/53/03/C2A578D5-C6E0-4C7D-B339-D462C013AEC7/57981938087__064B5D05-EF24-4D41-A331-B8021EB3EDD3.jpeg
/Users/oompa/Library/Messages/Attachments/fa/10/FECFB796-F45C-4A9A-B98F-3F046E626AA4/57982167763__43B23A54-ED1F-4AF6-A4E0-5F3E3F14A915.JPG.jpeg
/Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/3a19ad94-8de7-33bf-8af0-e80e80610d85.ics
/Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/3b4ea211-dc06-39cb-b86d-19d17c486b53.ics
/Users/oompa/Library/Calendars/4D5D9137-6DFC-47B7-81F1-080D731F5728.calendar/Events/2243854d-20f4-3691-8876-e46196f3ddd4.ics
```





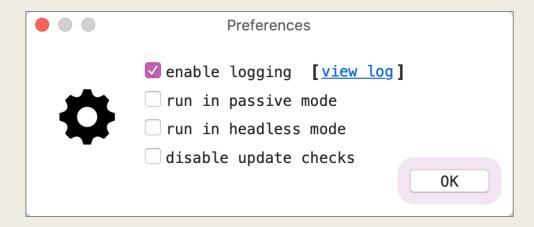
OBJECTIVE-SEE BLOCKBLOCK



BlockBlock Alerts & Action ~/Library/Application Support/com.objectiveSee.BlockBlock/BlockBlock.log

...if logging is enabled

```
2019-05-30 10:31:26 +0000: logging intialized 2019-05-30 10:36:57 +0000: /System/Library/CoreServices/backgroundtaskmanagementagent installed a login item (/Users/o ompa/Library/Application Support/com.apple.backgroundtaskmanagementagent/backgrounditems.btm -> /private/var/folders/m 7/z3j31rps2ml2wfkmrd6tf_140000gn/T/AppTranslocation/431799A2-99A7-4207-AF36-FA544826F6D2/d/Micro Snitch.app/Contents/Library/LoginItems/Micro Snitch Open At Login Helper.app) 2019-05-30 10:38:52 +0000: user clicked: Allow
```



BlockBlock Alerts via Unified Logs

Activity - Create:

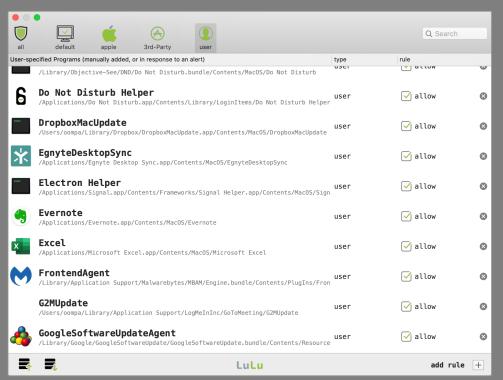
0, Transition:

0, Actions:

```
[Sarahs-Fridge:Export oompa$ log show --info --predicate 'eventMessage contains[cd] "blockblock" and eventMessage contains[cd] "alert"
Filtering the log data using "composedMessage CONTAINS[cd] "blockblock" AND composedMessage CONTAINS[cd] "alert""
Skipping debug messages, pass --debug to include.
Timestamp
                                Thread
                                                       Activity
                                           Type
                                           Default
                                                                            78
                                                                                   0
                                                                                        BlockBlock: BLOCKBLOCK(78) alert: /System/Library/CoreServices/backgroundtaskmanagementagent
2019-05-18 18:13:38.951138+0200 0xc26
                                                       0x0
installed a login item (/Users/oompa/Library/Application Support/com.apple.backgroundtaskmanagementagent/backgrounditems.btm -> /private/var/folders/m7/z3i31rps2m12wfkmrd6tf 140000g
n/T/AppTranslocation/623B26EC-2B44-4703-879B-09A330BBB438/d/Micro Snitch.app)
2019-05-20 08:17:55.932810+0200 0xc25
                                                                                        BlockBlock: BLOCKBLOCK(85) alert: /System/Library/CoreServices/backgroundtaskmanagementagent
                                           Default
installed a login item (/Users/oompa/Library/Application Support/com.apple.backgroundtaskmanagementagent/backgrounditems.btm -> /Users/oompa/Downloads/Micro Snitch.app)
2019-05-20 08:18:11.785135+0200 0xc25
                                           Default
                                                                                        BlockBlock: BLOCKBLOCK(85) alert: /System/Library/CoreServices/backgroundtaskmanagementagent
installed a login item (/Users/oompa/Library/Application Support/com.apple.backgroundtaskmanagementagent/backgrounditems.btm -> /private/var/folders/m7/z3j31rps2m12wfkmrd6tf 140000g
n/T/AppTranslocation/C470AFED-428F-4CB3-A4A1-0C33EF86E273/d/Micro Snitch.app/Contents/Library/LoginItems/Micro Snitch Open At Login Helper.app)
2019-05-20 16:53:54.184008+0200 0xc25
                                                                                   8 BlockBlock: BLOCKBLOCK(85) alert: /Library/Caches/com.sophos.sau/CID/Sophos Installer.app/Con
                                           Default
tents/MacOS/tools/InstallationDeployer installed a kernel extension (/Library/Extensions/SophosWebProtection.kext -> /Library/Extensions/SophosWebProtection.kext/Contents/MacOS/Soph
osSocketFilter)
2019-05-20 16:53:54.948963+0200 0xc25
                                                                                        BlockBlock: BLOCKBLOCK(85) alert: /Library/Caches/com.sophos.sau/CID/Sophos Installer.app/Con
                                           Default
tents/MacOS/tools/InstallationDeployer installed a kernel extension (/Library/Extensions/SophosFileMonitor.kext -> /Library/Extensions/SophosFileMonitor.kext/Contents/MacOS/FileMoni
torKext)
2019-05-20 16:53:55.739887+0200 0xc25
                                           Default
                                                                                        BlockBlock: BLOCKBLOCK(85) alert: /Library/Caches/com.sophos.sau/CID/Sophos Installer.app/Con
tents/MacOS/tools/InstallationDeployer installed a kernel extension (/Library/Extensions/SophosFileProtection.kext -> /Library/Extensions/SophosFileProtection.kext/Contents/MacOS/On
AccessKext)
2019-05-20 16:53:58.439630+0200 0xc25
                                           Default
                                                       0x0
                                                                                        BlockBlock: BLOCKBLOCK(85) alert: /Library/Caches/com.sophos.sau/CID/Sophos Installer.app/Con
tents/MacOS/tools/InstallationDeployer installed a launch daemon or agent (/Library/LaunchAgents/com.sophos.home.ui.plist -> /Applications/Sophos Home.app/Contents/MacOS/Sophos Home
2019-05-20 16:54:02.111268+0200 0xc25
                                           Default
                                                                                        BlockBlock: BLOCKBLOCK(85) alert: /Library/Caches/com.sophos.sau/CID/Sophos Installer.app/Con
                                                       0x0
tents/MacOS/tools/InstallationDeployer installed a launch daemon or agent (/Library/LaunchAgents/com.sophos.agent.plist -> /Library/Sophos Anti-Virus/SophosAgent.app/Contents/MacOS/
SophosAgent)
2019-05-20 16:54:03.122212+0200 0xc25
                                           Default
                                                                                        BlockBlock: BLOCKBLOCK(85) alert: /Library/Caches/com.sophos.sau/CID/Sophos Installer.app/Con
tents/MacOS/tools/InstallationDeployer installed a launch daemon or agent (/Library/LaunchDaemons/com.sophos.common.servicemanager.plist -> /Library/Sophos Anti-Virus/SophosServiceM
anager.bundle/Contents/MacOS/SophosServiceManager)
2019-05-22 09:53:17.107621+0200 0xc9f
                                           Default
                                                       0x0
                                                                                        BlockBlock: BLOCKBLOCK(85) alert: /bin/cp installed a launch daemon or agent (/Library/Launch
Daemons/com.microsoft.autoupdate.helper.plist -> /Library/PrivilegedHelperTools/com.microsoft.autoupdate.helper)
                                                                                        BlockBlock: BLOCKBLOCK(85) alert: /System/Library/CoreServices/backgroundtaskmanagementagent
2019-05-30 12:36:55.649277+0200 0xc8b
                                           Default
installed a login item (/Users/oompa/Library/Application Support/com.apple.backgroundtaskmanagementagent/backgrounditems.btm -> /private/var/folders/m7/z3j31rps2m12wfkmrd6tf_140000g
n/T/AppTranslocation/431799A2-99A7-4207-AF36-FA544826F6D2/d/Micro Snitch.app/Contents/Library/LoginItems/Micro Snitch Open At Login Helper.app)
Log
         - Default:
                            11, Info:
                                                     0, Debug:
                                                                           0, Error:
                                                                                              0, Fault:
```



OBJECTIVE-SEE LULU FIREWALL



Objective-See – LuLu Firewall / Library/Objective-See/LuLu/LuLu.log

- Firewall Status
- Software Installation/Updates by User
- Install Locations
- Associated IP Address/Ports
- Process IDs
- Signing Information
- Entitlements
- Bundle Identifier

```
2019-01-01 20:12:00 +0000: alert reply: {
    action = 0;
    args =
        "/Applications/Hex Fiend.app/Contents/MacOS/Hex Fiend",
        "-psn_0_155686"
    );
    hostName = "raw.githubusercontent.com";
    ipAddr = "151.101.248.133";
    path = "/Applications/Hex Fiend.app/Contents/MacOS/Hex Fiend";
    pid = 345;
    port = 443;
    protocol = 1;
    signingInfo =
        signatureAuthorities =
            "Developer ID Application: Kevin Wojniak (QK92QP33YN)",
            "Developer ID Certification Authority",
            "Apple Root CA"
        signatureEntitlements =
            "com.apple.security.app-sandbox" = 0;
            "com.apple.security.get-task-allow" = 1;
        signatureIdentifier = "com.ridiculousfish.HexFiend";
        signatureSigner = 3;
        signatureStatus = 0;
    };
    tempRule = 0;
    user = 501;
```



OBJECTIVE-SEE OVERSIGHT





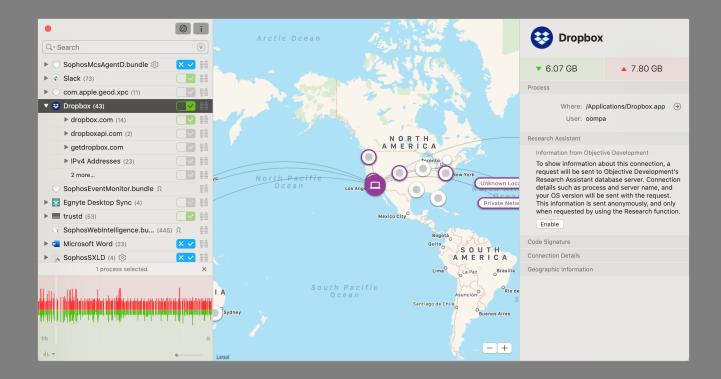
Objective-See - Oversight

~/Library/Application Support/Objective-See/OverSight/OverSight.log

```
2018-12-15 19:51:39 +0000: Video Device became active (FaceTime HD Camera, process: FaceTime, /Applications/FaceTime.app/Contents/MacOS/FaceTime)
2018-12-15 19:52:05 +0000: Video Device became inactive (FaceTime HD Camera)
2018-12-15 19:52:07 +0000: user clicked 'block' for {
   alertType = 1;
   device = 2;
   processID = 2893;
   processName = FaceTime;
   processPath = "/Applications/FaceTime.app/Contents/MacOS/FaceTime";
2018-12-16 21:42:41 +0000: Video Device became active (FaceTime HD Camera, process: FaceTime, /Applications/FaceTime.app/Contents/MacOS/FaceTime)
2018-12-16 21:42:45 +0000: Video Device became inactive (FaceTime HD Camera)
2018-12-16 21:42:47 +0000: user clicked 'block' for {
   alertType = 1;
   device = 2;
   processID = 27370;
   processName = FaceTime;
   processPath = "/Applications/FaceTime.app/Contents/MacOS/FaceTime";
2018-12-17 22:57:21 +0000: Video Device became active (FaceTime HD Camera, process: GoToMeeting, /Users/oompa/Applications/GoToMeeting (11282).app/Contents/MacOS/GoToMeeting)
2018-12-17 22:57:50 +0000: user clicked 'allow' for {
   activationType = 4;
   alertType = 1;
   device = 2;
   processID = 64395;
   processName = GoToMeeting;
   processPath = "/Users/oompa/Applications/GoToMeeting (11282).app/Contents/MacOS/GoToMeeting";
```



LITTLE SNITCH NETWORK MONITOR



Little Snitch - Network Monitor ~/Library/Logs/Little Snitch Network Monitor.log

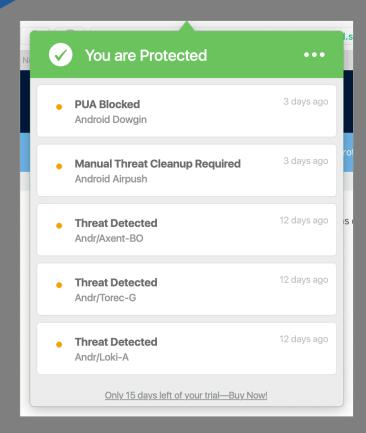
```
2019-01-25 11:17:46.331 Little Snitch Network Monitor[508:6221] Little Snitch Network Monitor version 5210 started.
2019-01-27 09:45:04.522 Little Snitch Network Monitor[508:6221] Freeing 989 physical connections, example connection: LSMPhysicalConnection (0x600001f7f180): Xcode -> miphonex.local:62078
2019-01-27 19:19:50.721 Little Snitch Network Monitor[508:6221] Freeing 768 physical connections, example connection: LSMPhysicalConnection (0x600001f55300): iTunes via ath -> fe80::1c72:23b3:b07e:7752:62078
2019-01-27 19:19:54.719 Little Snitch Network Monitor[508:6221] Freeing 2307 physical connections, example connection: LSMPhysicalConnection (0x600001f66900): iTunes -> client-api.itunes.apple.com:443
2019-02-06 20:14:08.454 Little Snitch Network Monitor[508:6221] Freeing 1287 physical connections, example connection: LSMPhysicalConnection (0x600001c7cd00): Dropbox -> api.dropboxapi.com:443
2019-02-11 08:08:42.077 Little Snitch Network Monitor[508:6221] Freeing 1182 physical connections, example connection: LSMPhysicalConnection (0x600005f54c80): Mail -> mail.csh.rit.edu:143
2019-02-11 08:08:47.077 Little Snitch Network Monitor[508:6221] Freeing 726 physical connections, example connection: LSMPhysicalConnection (0x600001f6f500): Safari -> static1.squarespace.com:443
2019-02-11 08:08:52.077 Little Snitch Network Monitor[508:6221] Freeing 3685 physical connections, example connection: LSMPhysicalConnection (0x600001dd7600): Safari -> bolt.dropbox.com:443
2019-02-11 10:49:52.632 Little Snitch Network Monitor[508:6221] Freeing 2421 physical connections, example connection: LSMPhysicalConnection (0x600005dd0d00): iTunes -> is1-ssl.mzstatic.com:443
2019-02-11 10:51:58.216 Little Snitch Network Monitor[507:6377] Little Snitch Network Monitor version 5210 started.
2019-02-13 14:30:15.694 Little Snitch Network Monitor[507:6377] Freeing 2672 physical connections, example connection: LSMPhysicalConnection (0x60000073b600): iTunes -> ld-5.itunes.apple.com:443
2019-02-14 18:19:50.592 Little Snitch Network Monitor[507:6377] Freeing 475 physical connections, example connection: LSMPhysicalConnection (0x6000007aad80): Microsoft PowerPoint -> nexus.officeapps.live.com:443
2019-02-15 12:50:29.294 Little Snitch Network Monitor[507:6377] Freeing 2650 physical connections, example connection: LSMPhysicalConnection (0x600000431b80): iTunes -> init.itunes.apple.com:443
2019-02-16 09:17:43.572 Little Snitch Network Monitor[507:6377] Freeing 1635 physical connections, example connection: LSMPhysicalConnection (0x600000763000): BlackLight via postgres <- localhost:20220
2019-02-23 08:48:34.353 Little Snitch Network Monitor[507:6377] Freeing 2652 physical connections, example connection: LSMPhysicalConnection (0x6000007cbc00): Dropbox -> bolt.dropbox.com:443
2019-02-27 22:56:48.815 Little Snitch Network Monitor[507:6377] Freeing 1865 physical connections, example connection: LSMPhysicalConnection (0x60000c71b900): Mail -> imap.gmail.com:993
2019-03-02 20:29:33.168 Little Snitch Network Monitor[507:6377] Freeing 3596 physical connections, example connection: LSMPhysicalConnection (0x600010787900): iTunes -> is4-ssl.mzstatic.com:443
2019-03-05 17:26:11.695 Little Snitch Network Monitor[507:6377] Freeing 2529 physical connections, example connection: LSMPhysicalConnection (0x60000c693b00): Dropbox -> client.dropbox.com:443
2019-03-09 19:15:48.362 Little Snitch Network Monitor[507:6377] 4.2.4 (5210): lsd died
2019-03-09 19:26:59.515 Little Snitch Network Monitor[570:6891] Little Snitch Network Monitor version 5267 started.
2019-03-31 08:38:58.809 Little Snitch Network Monitor[570:6891] Freeing 299 physical connections, example connection: LSMPhysicalConnection (0x600000bbcb00): Xcode -> miphonex.local:62078
2019-03-31 08:53:10.985 Little Snitch Network Monitor[451:6870] Little Snitch Network Monitor version 5267 started.
2019-04-01 08:20:11.968 Little Snitch Network Monitor[480:5219] Little Snitch Network Monitor version 5267 started.
2019-04-23 18:49:29.425 Little Snitch Network Monitor[480:5219] Freeing 733 physical connections, example connection: LSMPhysicalConnection (0x600002c8ff00): Xcode -> miphonex.local:49966
2019-05-12 16:46:59.798 Little Snitch Network Monitor[480:5219] 4.3.1 (5267): lsd died
2019-05-12 16:51:31.534 Little Snitch Network Monitor[464:4457] Little Snitch Network Monitor version 5284 started.
2019-05-20 08:17:07.292 Little Snitch Network Monitor[473:4307] Little Snitch Network Monitor version 5284 started.
2019-05-21 08:26:23.785 Little Snitch Network Monitor[375:3715] Little Snitch Network Monitor version 5284 started.
2019-05-23 08:44:44.259 Little Snitch Network Monitor[364:3700] Little Snitch Network Monitor version 5284 started.
2019-05-23 08:46:47.264 Little Snitch Network Monitor[364:3700] Freeing 334 physical connections, example connection: LSMPhysicalConnection (0x600000946c80): Mail -> imap.gmail.com:993
```

Little Snitch - Network Monitor ~/Library/Logs/Little Snitch Network Monitor.log

```
Little Snitch Network Monitor version 5210 started.
Freeing 989 physical connections, example connection: LSMPhysicalConnection (0x600001f7f180): Xcode -> miphonex.local:62078
Freeing 768 physical connections, example connection: LSMPhysicalConnection (0x600001f55300): iTunes via ath -> fe80::1c72:23b3:b07e:7752:62078
Freeing 2307 physical connections, example connection: LSMPhysicalConnection (0x600001f66900): iTunes -> client-api.itunes.apple.com:443
Freeing 1287 physical connections, example connection: LSMPhysicalConnection (0x600001c7cd00): Dropbox -> api.dropboxapi.com:443
Freeing 1182 physical connections, example connection: LSMPhysicalConnection (0x600005f54c80): Mail -> mail.csh.rit.edu:143
Freeing 726 physical connections, example connection: LSMPhysicalConnection (0x600001f6f500): Safari -> static1.squarespace.com:443
Freeing 3685 physical connections, example connection: LSMPhysicalConnection (0x600001dd7600): Safari -> bolt.dropbox.com:443
Freeing 2421 physical connections, example connection: LSMPhysicalConnection (0x600005dd0d00): iTunes -> is1-ssl.mzstatic.com:443
Little Snitch Network Monitor version 5210 started.
Freeing 2672 physical connections, example connection: LSMPhysicalConnection (0x60000073b600): iTunes -> 1d-5.itunes.apple.com:443
Freeing 475 physical connections, example connection: LSMPhysicalConnection (0x6000007aad80): Microsoft PowerPoint -> nexus.officeapps.live.com:443
Freeing 2650 physical connections, example connection: LSMPhysicalConnection (0x600000431b80): iTunes -> init.itunes.apple.com:443
Freeing 1635 physical connections, example connection: LSMPhysicalConnection (0x600000763000): BlackLight via postgres <- localhost:20220
Freeing 2652 physical connections, example connection: LSMPhysicalConnection (0x6000007cbc00): Dropbox -> bolt.dropbox.com:443
Freeing 1865 physical connections, example connection: LSMPhysicalConnection (0x60000c71b900): Mail -> imap.gmail.com:993
Freeing 3596 physical connections, example connection: LSMPhysicalConnection (0x600010787900): iTunes -> is4-ssl.mzstatic.com:443
Freeing 2529 physical connections, example connection: LSMPhysicalConnection (0x60000c693b00): Dropbox -> client.dropbox.com:443
4.2.4 (5210): 1sd died
Little Snitch Network Monitor version 5267 started.
Freeing 299 physical connections, example connection: LSMPhysicalConnection (0x600000bbcb00): Xcode -> miphonex.local:62078
Little Snitch Network Monitor version 5267 started.
Little Snitch Network Monitor version 5267 started.
Freeing 733 physical connections, example connection: LSMPhysicalConnection (0x600002c8ff00): Xcode -> miphonex.local:49966
4.3.1 (5267): 1sd died
Little Snitch Network Monitor version 5284 started.
Freeing 334 physical connections, example connection: LSMPhysicalConnection (0x600000946c80): Mail -> imap.gmail.com:993
```



SOPHOS ANTIVIRUS



Sophos - Files & Volumes /Library/Sophos Anti-Virus/events.db

select datetime(zdetectiondate+978307200, 'unixepoch') as DETECTION DATE.

3	zdetectionpath,					
4 5	zdetectionuser, zthreatlongname					
6	from ZTHREATLOCATION					
	DETECTION_DATE					
1	2019-05-19 05:55:32	/Users/oompa/Downloads/Lazarus/CelasTradePro-l				

2019-05-19 01:32:02

2019-05-19 01:24:11

2019-05-19 01:24:16

2019-05-19 01:26:10

2019-05-19 01:26:14

2019-05-19 01:18:18

10 2019-05-19 01:18:19

11 2019-05-19 01:28:09

12 2019-05-19 01:30:04

13 2019-05-21 12:13:30

14 2019-05-21 12:13:08

15 2019-05-21 12:13:25

16 2019-05-21 12:13:08

7	7 left join ZEVENT on zevent.Z_PK = ZTHREATLOCATION.ZTHREATEVENT							
	DETECTION_DATE	ZDETECTIONUSER	ZTHREATLONGNAME					
1	2019-05-19 05:55:32	/Users/oompa/Downloads/Lazarus/CelasTradePro-Installer.dmg	oompa	OSX/Lazarus-D				
2	2019-05-18 21:55:30	/Users/oompa/Downloads/Lazarus/Updater	oompa	OSX/Lazarus-D				

	, , , , , , , , , , , , , , , , , , , ,		,
2	2019-05-18 21:55:30 /Users/oompa/Downloads/Lazarus/Updater	oompa	OSX/Lazarus-D
3	2019-05-18 21:55:42 /Users/oompa/Downloads/Lazarus/Updater	oompa	OSX/Lazarus-D

OSX/Imuler-B

Mal/DrodZp-A

Mal/DrodZp-A

Mal/DrodZp-A Mal/DrodZp-A

Mal/DrodZp-A

Mal/DrodZp-A

OSX/Imuler-B

OSX/Imuler-B

PsExec

PsKill

PsExec

PsKill

oompa

/Users/oompa/Library/Mail/V6/49285778-1207-4AB3-8F55-EE3A063B6743/[Gmail].mbox/All Mail.mbox/57323BCC-F4E8-4B36-916F-8FA70C262EB0/Data/...

/Users/oompa/Library/Mail/V6/F37CEC82-FE8E-46B6-B236-CBF1D57D5D85/INBOX.mbox/57323BCC-F4E8-4B36-916F-8FA70C262EB0/Data/1/6/Attachme...

/Users/oompa/Library/Mail/V6/F37CEC82-FE8E-46B6-B236-CBF1D57D5D85/INBOX.mbox/57323BCC-F4E8-4B36-916F-8FA70C262EB0/Data/1/6/Attachme...

/Users/oompa/Library/Mail/V6/F37CEC82-FE8E-46B6-B236-CBF1D57D5D85/INBOX.mbox/57323BCC-F4E8-4B36-916F-8FA70C262EB0/Data/5/6/Attachme...

/Users/oompa/Library/Mail/V6/F37CEC82-FE8E-46B6-B236-CBF1D57D5D85/INBOX.mbox/57323BCC-F4E8-4B36-916F-8FA70C262EB0/Data/5/6/Attachme...

/Users/oompa/Library/Mail/V6/F37CEC82-FE8E-46B6-B236-CBF1D57D5D85/INBOX.mbox/57323BCC-F4E8-4B36-916F-8FA70C262EB0/Data/9/9/Attachme...

/Users/oompa/Library/Mail/V6/F37CEC82-FE8E-46B6-B236-CBF1D57D5D85/INBOX.mbox/57323BCC-F4E8-4B36-916F-8FA70C262EB0/Data/9/9/Attachme...

/Users/oompa/Library/Mail/V6/F37CEC82-FE8E-46B6-B236-CBF1D57D5D85/Sent Messages.mbox/57323BCC-F4E8-4B36-916F-8FA70C262EB0/Data/7/9/A...

/Users/oompa/Library/Mail/V6/F37CEC82-FE8E-46B6-B236-CBF1D57D5D85/Sent Messages.mbox/57323BCC-F4E8-4B36-916F-8FA70C262EB0/Data/7/9/A...

/Volumes/DFIRNETWARS/SANS DFIR NETWARS KEY TOOLS/Windows Forensics/SysinternalsSuite/PsExec.exe

/Volumes/DFIRNETWARS/SANS DFIR NETWARS KEY TOOLS/Windows Forensics/SysinternalsSuite/pskill.exe

/Volumes/DFIRNETWARS/SANS DFIR NETWARS KEY TOOLS/Windows Forensics/command line tools/PsExec.exe

/Volumes/DFIRNETWARS/SANS DFIR NETWARS KEY TOOLS/Windows Forensics/command line tools/pskill.exe

Sophos – Network Connections / Library/Logs/SophosDiagnostics*.gz

```
2019-05-25 09:46:08.377 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2cb1650 for 'https://www.united.com': request=517b, response=0b, lifetime=33ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:10.604 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb591f7d0 for 'https://oasc17.247realmedia.com': request=517b, response=0b, lifetime=16ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:13.188 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2d7c930 for 'https://www.united.com': request=517b, response=0b, lifetime=0ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:13.194 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2e23430 for 'https://www.united.com': reguest=517b, response=0b, lifetime=0ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:13.227 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2dd9420 for 'https://cdn.optimizely.com': request=517b, response=0b, lifetime=0ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:14.493 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2d7c930 for 'https://media.united.com': request=517b, response=0b, lifetime=0ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:14.650 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2f8a220 for 'https://snowflake.bjango.com': request=517b, response=0b, lifetime=152ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:15.390 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2c323a0 for 'https://snowflake2.biango.com': request=517b, response=0b, lifetime=148ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:15.397 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2d56f70 for 'https://snowflake2.bjango.com': request=517b, response=0b, lifetime=149ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:15.401 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2e74eb0 for 'https://snowflake2.bjango.com': request=517b, response=0b, lifetime=157ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:15.410 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb5841600 for 'https://snowflake2.bjango.com': request=517b, response=0b, lifetime=164ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:18.026 [SophosEventMonitor 267:2877 webengine] Request url 'https://fadb2fd0740 for 'https://gateway.icloud.com': request=517b, response=0b, lifetime=14ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:37.186 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2e2f5e0 for 'https://dci.sophosupd.com': request=517b, response=0b, lifetime=12ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:39.538 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2c12e30 for 'https://dci.sophosupd.net': request=517b, response=0b, lifetime=5ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:41.916 [SophosWebIntelligence 265:2740 webengine] Closing connection 0x7fa6c1c155e0 for 'https://oasc17.247realmedia.com': request=1754b, response=29422b, lifetime=31327ms, firstResponse=200ms, businessL
meInCache=2ms, in=200ms, out=1012ms, l.eos=31326ms
2019-05-25 09:46:42.705 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2f946a0 for 'https://dzr-mcs-amzn-us-east-1-h0m3.upe.p.hmr.sophos.com': request=517b, response=0b, lifetime=93ms, businessLogicDel
2019-05-25 09:46:42.775 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2ca5af0 for 'https://plav.itunes.apple.com': request=181b, response=0b, lifetime=17ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:43.206 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2da8770 for 'https://aod.itunes.apple.com': request=180b, response=0b, lifetime=5ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:50.093 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb5813c30 for 'https://www.viator.com': request=517b, response=0b, lifetime=1ms, businessLogicDelay=0ms, timeInCache=0ms
2019-05-25 09:46:53.319 [SophosWebIntelligence 265:2740 webengine] Closing connection 0x7fa6c1c10fa0 for 'https://cdn.optimizely.com': request=1050b, response=3902b, lifetime=40085ms, firstResponse=23ms,
                                                                                                                                                                                                                    SLogicDel
he=1ms, in=23ms, out=40084ms, r.eos=40084ms
```

2019-05-25 09:46:07.358 [SophosWebIntelligence 265:2740 webengine] Closing connection 0x7fa6c1f03710 for 'https://oasc17.247realmedia.com': request=517b, response=0b, lifetime=99ms, businessLogicDelay=10ms, timeInCache=1

2019-05-25 09:46:07.515 [SophosEventMonitor 267:2877 webengine] Closing connection 0x7fadb2f8a220 for 'https://events.airoav.com': reguest=517b, response=0b, lifetime=8ms, businessLogicDelay=0ms, timeInCache=0ms

Sophos – Network Connections / Library/Logs/SophosDiagnostics*.gz

```
710 for 'https://oasc17.247realmedia.com': request=517b, response=0b, lifetime=99ms, businessLogicDelay=10ms, timeInCache=1
for 'https://events.airoav.com': request=517b, response=0b, lifetime=8ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://www.united.com': request=517b, response=0b, lifetime=33ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://oasc17.247realmedia.com': request=517b, response=0b, lifetime=16ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://www.united.com': request=517b, response=0b, lifetime=0ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://www.united.com': request=517b, response=0b, lifetime=0ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://cdn.optimizely.com': request=517b, response=0b, lifetime=0ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://media.united.com': request=517b, response=0b, lifetime=0ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://snowflake.bjango.com': request=517b, response=0b, lifetime=152ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://snowflake2.bjango.com': request=517b, response=0b, lifetime=148ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://snowflake2.bjango.com': request=517b, response=0b, lifetime=149ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://snowflake2.bjango.com': request=517b, response=0b, lifetime=157ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://snowflake2.bjango.com': request=517b, response=0b, lifetime=164ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://gateway.icloud.com': request=517b, response=0b, lifetime=14ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://dci.sophosupd.com': request=517b, response=0b, lifetime=12ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://dci.sophosupd.net': request=517b, response=0b, lifetime=5ms, businessLogicDelay=0ms, timeInCache=0ms
be0 for 'https://oasc17.247realmedia.com': request=1754b, response=29422b, lifetime=31327ms, firstResponse=200ms, businessL
for 'https://dzr-mcs-amzn-us-east-1-h0m3.upe.p.hmr.sophos.com': request=517b, response=0b, lifetime=93ms, businessLogicDel
for 'https://play.itunes.apple.com': request=181b, response=0b, lifetime=17ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://aod.itunes.apple.com': request=180b, response=0b, lifetime=5ms, businessLogicDelay=0ms, timeInCache=0ms
for 'https://www.viator.com': request=517b, response=0b, lifetime=1ms, businessLogicDelay=0ms, timeInCache=0ms
fa0 for 'https://cdn.optimizely.com': request=1050b, response=3902b, lifetime=40085ms, firstResponse=23ms, businessLogicDel
```

Sophos – Web Visits /Library/Logs/SophosDiagnostics*.gz

om/aka-fonts/LeMeridien/GriffithGothic-Light.woff, pid : 14513}

om, pid : 14513}

```
2019-05-25 09:03:32.213 [SophosEventMonitor 267:4365046 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0
, ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 80, isBrowser : 1, timestamp : 1558767812.213175, URL : http://marriottinternat
iona.demdex.net/event?d_cid=64650%0117B72965362B70102859951904871947B.01%010&d_event=imp&c_mailingname=2019_03_12_0B0P_Prod_Prearrival, pid : 14513}
2019-05-25 09:03:32.231 [SophosEventMonitor 267:4365481 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0
, ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 80, isBrowser : 1, timestamp : 1558767812.231278, URL : http://epidm.edgesuite.
net/CMS/Coding/Marriott/RTM/2017/dot.gif, pid : 14513}
2019-05-25 09:03:32.232 [SophosEventMonitor 267:4365046 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0
, ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 80, isBrowser : 1, timestamp : 1558767812.232048, URL : http://epidm.edgesuite.
net/CMS/Coding/Marriott/RTM/2017/24_11172017_confirmation-template-final-black.png, pid : 14513}
2019-05-25 09:03:32.308 [SophosEventMonitor 267:4365046 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0
, ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 80, isBrowser : 1, timestamp : 1558767812.307705, URL : http://www.marriott.com
/Images/email/apm/APMV2/Hertz1.jpg, pid : 14513}
2019-05-25 09:03:32.308 [SophosEventMonitor 267:4365046 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0
, ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 80, isBrowser : 1, timestamp : 1558767812.308482, URL : http://www.marriott.com
/Images/email/apm/APMV2/LM avecamour pattern1.jpg, pid : 14513}
2019-05-25 09:03:32.310 [SophosEventMonitor 267:4365479 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0
, ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 80, isBrowser : 1, timestamp : 1558767812.309620, URL : http://www.marriott.com
/Images/email/apm/APMV2/PlacePass.jpg, pid : 14513}
2019-05-25 09:03:32.359 [SophosEventMonitor 267:4365046 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0
, ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 443, isBrowser : 1, timestamp : 1558767812.359156, URL : https://www.marriott.c
om, pid : 14513}
2019-05-25 09:03:32.389 [SophosEventMonitor 267:4365046 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0
, ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 443, isBrowser : 1, timestamp : 1558767812.388893, URL : https://cache.marriott
.com, pid : 14513}
2019-05-25 09:03:32.389 [SophosEventMonitor 267:4365046 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0
, ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 80, isBrowser : 1, timestamp : 1558767812.389136, URL : http://cache.marriott.c
om/aka-fonts/proxima-nova-regular.woff, pid : 14513}
2019-05-25 09:03:32.390 [SophosEventMonitor 267:4365481 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0
```

, ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 80, isBrowser : 1, timestamp : 1558767812.389707, URL : http://cache.marriott.c

2019-05-25 09:03:32.700 [SophosEventMonitor 267:4365479 EventRecord exclude] [SMEEventRecord.m:104] Browser connection is ignored. Event: {isProxy : 0 , ipVersion : 4, eventType : SMEEventNetworkKextConnection, destPort : 443, isBrowser : 1, timestamp : 1558767812.699769, URL : https://res-marriott.c

Sophos – Processes /Library/Logs/SophosDiagnostics*.gz

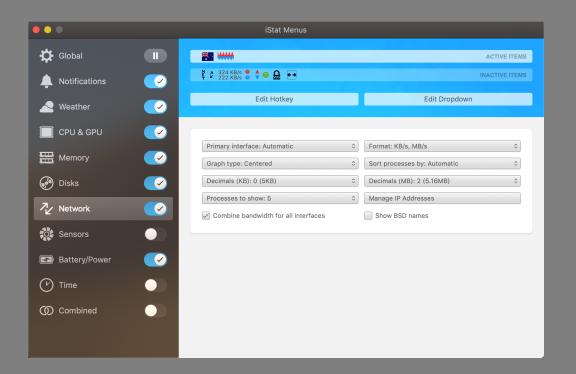
```
2019-05-30 13:51:49.529 [SophosCryptoGuard 263:2761 context signature] Process: /Applications/Utilities/Terminal.app/Contents/MacOS/Terminal (29292) is Apple signed
2019-05-30 13:51:49.529 [SophosCryptoGuard 263:2761 context signature] Process: /Applications/Utilities/Terminal.app/Contents/MacOS/Terminal (29292) Signature Identifier: com.apple.Terminal and TeamID: (null
2019-05-30 13:51:49.576 [SophosCryptoGuard 263:2761 context signature] Process: /usr/bin/login (29292) is Apple signed
2019-05-30 13:51:49.576 [SophosCryptoGuard 263:2761 context signature] Process: /usr/bin/login (29292) Signature Identifier: com.apple.login and TeamID: (null)
2019-05-30 13:51:49.925 [SophosCryptoGuard 263:2761 context signature] Process: /usr/bin/login (29293) is Apple signed
2019-05-30 13:51:49.925 [SophosCryptoGuard 263:2761 context signature] Process: /usr/bin/login (29293) Signature Identifier: com.apple.login and TeamID: (null)
2019-05-30 13:51:49.970 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29293) is Apple signed
2019-05-30 13:51:49.970 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29293) Signature Identifier: com.apple.bash and TeamID: (null)
2019-05-30 13:51:50.020 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29293) is Apple signed
2019-05-30 13:51:50.020 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29293) Signature Identifier: com.apple.bash and TeamID: (null)
2019-05-30 13:51:50.034 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29294) is Apple signed
2019-05-30 13:51:50.034 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29294) Signature Identifier: com.apple.bash and TeamID: (null)
2019-05-30 13:51:50.081 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29295) is Apple signed
2019-05-30 13:51:50.081 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29295) Signature Identifier: com.apple.bash and TeamID: (null)
2019-05-30 13:51:50.117 [SophosCryptoGuard 263:2761 context signature] Process: /usr/libexec/path_helper (29295) is Apple signed
2019-05-30 13:51:50.117 [SophosCryptoGuard 263:2761 context signature] Process: /usr/libexec/path_helper (29295) Signature Identifier: com.apple.path_helper and TeamID: (null)
2019-05-30 13:51:50.131 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29296) is Apple signed
2019-05-30 13:51:50.131 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29296) Signature Identifier: com.apple.bash and TeamID: (null)
2019-05-30 13:51:50.161 [SophosCryptoGuard 263:2761 context signature] Process: /bin/mkdir (29296) is Apple signed
2019-05-30 13:51:50.161 [SophosCryptoGuard 263:2761 context signature] Process: /bin/mkdir (29296) Signature Identifier: com.apple.mkdir and TeamID: (null)
2019-05-30 13:51:50.210 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29297) is Apple signed
2019-05-30 13:51:50.210 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29297) Signature Identifier: com.apple.bash and TeamID: (null)
2019-05-30 13:51:50.220 [SophosCryptoGuard 263:2761 context signature] Process: /Users/oompa/anaconda3/bin/python3.7 (29298) is unsigned
2019-05-30 13:51:50.225 [SophosCryptoGuard 263:2761 context signature] Process: /Users/oompa/anaconda3/bin/conda (29298) is unsigned
2019-05-30 13:51:50.230 [SophosCryptoGuard 263:2761 context signature] Process: /Users/oompa/anaconda3/bin/python3.7 (29298) is unsigned
2019-05-30 13:51:52.675 [SophosCryptoGuard 263:2761 context signature] Process: /Users/oompa/anaconda3/bin/python3.7 (29299) is unsigned
2019-05-30 13:51:52.730 [SophosCryptoGuard 263:2761 context signature] Process: /bin/sh (29299) is Apple signed
2019-05-30 13:51:52.730 [SophosCryptoGuard 263:2761 context signature] Process: /bin/sh (29299) Signature Identifier: com.apple.sh and TeamID: (null)
2019-05-30 13:51:52.772 [SophosCryptoGuard 263:2761 context signature] Process: /bin/sh (29300) is Apple signed
2019-05-30 13:51:52.772 [SophosCryptoGuard 263:2761 context signature] Process: /bin/sh (29300) Signature Identifier: com.apple.sh and TeamID: (null)
2019-05-30 13:51:52.782 [SophosCryptoGuard 263:2761 context signature] Process: /usr/bin/uname (29300) is Apple signed
2019-05-30 13:51:52.782 [SophosCryptoGuard 263:2761 context signature] Process: /usr/bin/uname (29300) Signature Identifier: com.apple.uname and TeamID: (null)
2019-05-30 13:51:54.173 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29301) is Apple signed
2019-05-30 13:51:54.174 [SophosCryptoGuard 263:2761 context signature] Process: /bin/bash (29301) Signature Identifier: com.apple.bash and TeamID: (null)
```

Sophos – Processes /Library/Logs/SophosDiagnostics*.gz

```
Process: /Applications/Utilities/Terminal.app/Contents/MacOS/Terminal (29292) is Apple signed
Process: /Applications/Utilities/Terminal.app/Contents/MacOS/Terminal (29292) Signature Identifier: com.apple.Terminal and TeamID: (null)
Process: /usr/bin/login (29292) is Apple signed
Process: /usr/bin/login (29292) Signature Identifier: com.apple.login and TeamID: (null)
Process: /usr/bin/login (29293) is Apple signed
Process: /usr/bin/login (29293) Signature Identifier: com.apple.login and TeamID: (null)
Process: /bin/bash (29293) is Apple signed
Process: /bin/bash (29293) Signature Identifier: com.apple.bash and TeamID: (null)
Process: /bin/bash (29293) is Apple signed
Process: /bin/bash (29293) Signature Identifier: com.apple.bash and TeamID: (null)
Process: /bin/bash (29294) is Apple signed
Process: /bin/bash (29294) Signature Identifier: com.apple.bash and TeamID: (null)
Process: /bin/bash (29295) is Apple signed
Process: /bin/bash (29295) Signature Identifier: com.apple.bash and TeamID: (null)
Process: /usr/libexec/path_helper (29295) is Apple signed
Process: /usr/libexec/path_helper (29295) Signature Identifier: com.apple.path_helper and TeamID: (null)
Process: /bin/bash (29296) is Apple signed
Process: /bin/bash (29296) Signature Identifier: com.apple.bash and TeamID: (null)
Process: /bin/mkdir (29296) is Apple signed
Process: /bin/mkdir (29296) Signature Identifier: com.apple.mkdir and TeamID: (null)
Process: /bin/bash (29297) is Apple signed
Process: /bin/bash (29297) Signature Identifier: com.apple.bash and TeamID: (null)
Process: /Users/oompa/anaconda3/bin/python3.7 (29298) is unsigned
Process: /Users/oompa/anaconda3/bin/conda (29298) is unsigned
Process: /Users/oompa/anaconda3/bin/python3.7 (29298) is unsigned
Process: /Users/oompa/anaconda3/bin/python3.7 (29299) is unsigned
Process: /bin/sh (29299) is Apple signed
Process: /bin/sh (29299) Signature Identifier: com.apple.sh and TeamID: (null)
Process: /bin/sh (29300) is Apple signed
Process: /bin/sh (29300) Signature Identifier: com.apple.sh and TeamID: (null)
Process: /usr/bin/uname (29300) is Apple signed
Process: /usr/bin/uname (29300) Signature Identifier: com.apple.uname and TeamID: (null)
Process: /bin/bash (29301) is Apple signed
Process: /bin/bash (29301) Signature Identifier: com.apple.bash and TeamID: (null)
```



ISTAT MENUS SYSTEM MONITOR



iStat Menus – Sleep & Showdown Status /Library/Application Support/iStat Menus 6/uptime.db

1 2 3 4 5	datetime(start, 'unixepoch') as START, datetime(end, 'unixepoch') as END, (END - START) as "TOTAL SLEEPTIME (Seconds)"						
	START	END	TOTAL SLEEPTIME (Seconds)				
582	2019-05-23 15:54:22	2019-05-23 16:01:14	411.863147974014				
583	2019-05-23 19:30:23	2019-05-24 06:23:17	39173.9351830482				
584	2019-05-24 06:23:38	2019-05-24 06:36:29	771.645309925079				
585	2019-05-24 15:58:46	2019-05-24 16:02:49	243.306120872498				
586	2019-05-24 19:50:49	2019-05-25 06:44:49	39240.5683829784				
587	2019-05-25 06:44:54	2019-05-25 06:44:56	1.63985085487366				
588	2019-05-25 12:02:11	2019-05-25 12:18:15	963.722643136978				
589	2019-05-25 12:18:31	2019-05-25 12:44:33	1561.35718083382				
590	2019-05-25 13:00:11	2019-05-25 13:00:47	36.0671730041504				
591	2019-05-25 13:26:25	2019-05-26 08:06:04	67178.7833242416				
592	2019-05-26 09:19:49	2019-05-26 09:30:19	630.411379098892				

1 2 3 4 5 6 7	case shutdown when "0" then 0 else datetime(shutdown,'unixepoch') end SHUTDOWN			
	воот	SHUTDOWN		
5	2018-12-15 16:40:31	2018-12-28 00:38:34		
6	2018-12-28 00:39:49	2018-12-29 18:16:48		
7	2018-12-28 00:39:53	2019-01-01 03:03:07		
8	2019-01-01 03:05:42	2019-01-25 16:15:31		
9	2019-01-25 16:16:19	2019-02-11 10:50:06		
10	2019-02-11 10:50:36	2019-02-16 14:43:36		
11	2019-02-11 10:50:51	2019-03-10 03:19:34		
12	2019-03-10 03:25:37	2019-03-31 12:42:24		
13	2019-03-31 12:51:32	2019-04-01 12:18:26		

iStat Menus – Network Usage /Library/Application Support/iStat Menus 6/bandwidth.db

```
select
sample,
datetime(start,'unixepoch') as START,
datetime(end,'unixepoch') as END,
bandwidth_interface_map.interface,
bandwidth_wifi_map.name,
bandwidth_wifi_map.bssid,
upload,
download
from bandwidth_samples
left join bandwidth_interface_map on bandwidth_interface_map.identifier = bandwidth_samples.interface
left join bandwidth_wifi_map on bandwidth_wifi_map.identifier = bandwidth_samples.network
```

	sample	START	END	interface	name	bssid	upload	download
11626	11626	2019-05-26 09:30:19	2019-05-26 09:30:55	en0	ZurichAirport	78:72:5d:b8:bd:00	701440.0	763904.0
11627	11627	2019-05-26 09:30:55	2019-05-26 09:40:00	en0	ZurichAirport	78:0c:f0:12:e3:0f	875520.0	553984.0
11628	11628	2019-05-26 09:40:00	2019-05-26 09:50:00	en0	ZurichAirport	78:0c:f0:12:e3:0f	5902336.0	1134592.0
11629	11629	2019-05-26 09:50:00	2019-05-26 10:00:00	en0	ZurichAirport	78:0c:f0:12:e3:0f	1338368.0	596992.0
11630	11630	2019-05-26 10:00:00	2019-05-26 10:10:00	en0	ZurichAirport	78:0c:f0:12:e3:0f	2446336.0	3884032.0
11631	11631	2019-05-26 10:10:00	2019-05-26 10:18:29	en0	ZurichAirport	78:0c:f0:12:e3:0f	3245056.0	31963136.0
11632	11632	2019-05-26 10:18:29	2019-05-26 10:20:00	en0	ZurichAirport	78:0c:f0:12:e3:0f	108544.0	75776.0
11633	11633	2019-05-26 10:26:25	2019-05-26 10:30:00	en0	ZurichAirport	a0:23:9f:d9:56:a0	214016.0	196608.0
11634	11634	2019-05-27 19:27:54	2019-05-27 19:28:24	en0	ACCORHOTELS-GUESTS	40:18:b1:82:48:54	148480.0	1589248.0
11635	11635	2019-05-27 19:28:24	2019-05-27 19:30:00	en0	ACCORHOTELS-GUESTS	40:18:b1:81:e7:68	574464.0	603136.0

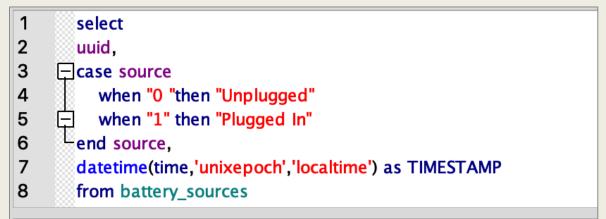
iStat Menus - Sleep & Wake /Library/Logs/ iStat Menus /Daemon/ iStatMenuDaemon*.log

```
[Sarahs-Fridge:Daemon oompa$ pwd
/Library/Logs/iStat Menus/Daemon
|Sarahs-Fridge:Daemon oompa$ ls -la
total 176
drwxr-xr-x 8 root wheel
                            256 May 13 01:50 .
                           96 Nov 30 02:04 ..
drwxr-xr-x 3 root wheel
                           7402 May 30 13:02 daemon.log
-rw-r--r-- 1 root wheel
-rw-r--r-0 1 root wheel
                           8511 Dec 29 20:05 iStatMenusDaemon 2018-11-30 01-04.log
                           8594 Feb 11 09:07 iStatMenusDaemon 2018-12-30 04-12.log
-rw-r--r--@ 1 root wheel
                           9989 Mar 22 02:54 iStatMenusDaemon 2019-02-11 10-50.log
-rw-r--r--@ 1 root wheel
-rw-r--r--0 1 root wheel
                         14026 May 13 01:49 iStatMenusDaemon 2019-03-23 13-48.log
-rw-r--r 1 root wheel 24974 May 30 15:24 iStatMenusDaemon 2019-05-12 23-50.log
```

```
Prepating smc
2019/05/23 08:43:37:383
2019/05/23 08:43:37:383
                         Prepating network
2019/05/23 08:43:56:567
                         Preparing smart
2019/05/23 08:43:56:567
                         Preparing processes
2019/05/23 08:43:56:569
                        Preparing battery
                        Preparing power notifier
2019/05/23 08:43:56:573
2019/05/23 08:43:56:573
                        Preparing bandwidth
                        Starting network
2019/05/23 08:43:56:665
2019/05/23 08:43:56:666
                        Starting processes
2019/05/23 08:43:56:666
                        Daemon started
2019/05/23 17:54:22:557
                        sleep
2019/05/23 18:01:14:420
                        wake
2019/05/23 18:01:14:420
                        411.86
2019/05/23 21:30:23:072 sleep
2019/05/24 08:23:17:007
                        wake
2019/05/24 08:23:17:007
                        39173.94
2019/05/24 08:23:38:180
                        sleep
2019/05/24 08:36:29:826
                        wake
2019/05/24 08:36:29:826 771.65
2019/05/24 17:58:46:316
                        sleep
2019/05/24 18:02:49:622
                        wake
2019/05/24 18:02:49:622
                        243.31
2019/05/24 21:50:49:307
                        sleep
2019/05/25 08:44:49:875
                        wake
2019/05/25 08:44:49:875
                        39240.57
2019/05/25 08:44:54:564
                        sleep
2019/05/25 08:44:56:205
                        wake
2019/05/25 08:44:56:205
                        1.64
2019/05/25 14:02:11:505
                        sleep
2019/05/25 14:18:15:228
                        wake
2019/05/25 14:18:15:228
                        963.72
2019/05/25 14:18:31:848 sleep
```

iStat Menus Power Status

- ~/Library/Application Support/iStat
 Menus/databases/iStatMenusStatus.db
- Also:
 - Battery Percentage by
 - Hour
 - Day
 - Week
 - Month



		uuid	source	TIMESTAMP
278	F5D84		Unplugged	2019-04-21 14:42:47
279	F5D84		Plugged In	2019-04-21 17:01:03
280	F5D84		Unplugged	2019-04-21 23:53:49
281	F5D84		Plugged In	2019-04-22 00:30:57
282	F5D84		Unplugged	2019-04-24 00:32:16
283	F5D84		Plugged In	2019-04-24 01:46:56
284	F5D84		Unplugged	2019-05-02 04:07:04
285	F5D84		Plugged In	2019-05-03 14:25:22
286	F5D84		Unplugged	2019-05-05 02:31:22
287	F5D84		Plugged In	2019-05-05 06:37:00

iStat Menus - Disk Status

~/Library/Application Support/iStat Menus/databases/iStatMenusStatus.db

■ By Hour, Day, Week, & Month

1 2 3 4 5 6 7	select datetime(time, 'unixepoch', 'localtime') as TIMESTAMP, uuid, used, size, free from day_diskhistory					
	TIMESTAMP	uuid	used	size	free	
76	2019-05-29 22:38:22	B14200B0-B7E2-4F40-8CA0-9A313061BDF9	952607940073.739	1500518756352.0	547910816278.261	
77	2019-05-29 22:40:46	B14200B0-B7E2-4F40-8CA0-9A313061BDF9	952611367980.522	1500518756352.0	547907388371.478	
78	2019-05-29 22:43:10	B14200B0-B7E2-4F40-8CA0-9A313061BDF9	952608684714.667	1500518756352.0	547910071637.333	
79	2019-05-29 22:43:10	D4F4D282-D342-30B7-B991-3B6375ABBA3A	42633134080.0	62911283200.0	20278149120.0	
80	2019-05-29 22:45:34	B14200B0-B7E2-4F40-8CA0-9A313061BDF9	951558048871.884	1500518756352.0	548960707480.116	
81	2019-05-29 22:45:34	89B6ABB2-C7BA-355C-99C8-AD7E5285D2F2	45551294873.6	62911283200.0	17359988326.4	
82	2019-05-29 22:47:58	B14200B0-B7E2-4F40-8CA0-9A313061BDF9	952607327781.101	1500518756352.0	547911428570.898	
83	2019-05-29 22:50:22	B14200B0-B7E2-4F40-8CA0-9A313061BDF9	952611957181.217	1500518756352.0	547906799170.783	
84	2019-05-29 22:52:46	B14200B0-B7E2-4F40-8CA0-9A313061BDF9	952845288759.652	1500518756352.0	547673467592.348	
85	2019-05-29 22:55:10	B14200B0-B7E2-4F40-8CA0-9A313061BDF9	952805932966.957	1500518756352.0	547712823385.043	

iStat Menus - Location

~/Library/Logs/iStat Menus/iStat Menus Status/status.log & Unified Logs

Longitude, Latitude

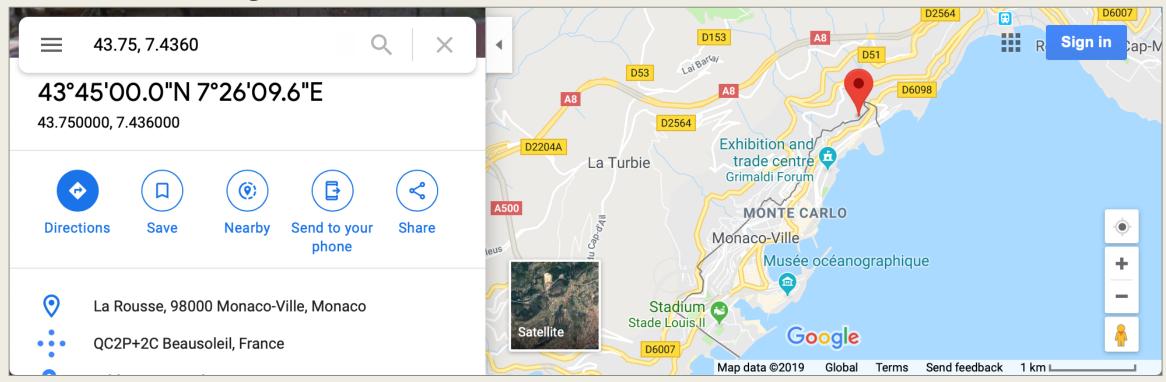


```
2019-05-30 13:19:57.838 iStat Menus Status[644:7980] Fetching weather for lcoation 7.4358, 43.75
2019-05-30 13:34:59.714 iStat Menus Status[644:7980] need to fetch. seconds since last fetch 900.57
2019-05-30 13:35:01.367 iStat Menus Status[644:7980] Fetching weather for 1coation 7.4358, 43.75
2019-05-30 13:50:03.156 iStat Menus Status[644:7980] need to fetch, seconds since last fetch 900.75
2019-05-30 13:50:04.908 iStat Menus Status[644:7980] Fetching weather for 1coation 7.4360, 43.75
2019-05-30 14:05:06.188 iStat Menus Status[644:7980] need to fetch. seconds since last fetch 900.17
2019-05-30 14:05:07.891 iStat Menus Status[644:7980] Fetching weather for 1coation 7.4360, 43.75
2019-05-30 14:20:10.403 iStat Menus Status[644:7980] need to fetch. seconds since last fetch 901.51
2019-05-30 14:20:12.067 iStat Menus Status[644:7980] Fetching weather for 1coation 7.4360, 43.75
2019-05-30 14:35:13.581 iStat Menus Status[644:7980] need to fetch. seconds since last fetch 900.57
2019-05-30 14:35:15.347 iStat Menus Status[644:7980] Fetching weather for 1coation 7.4360, 43.75
2019-05-30 14:57:30.333 iStat Menus Status[644:7980] need to fetch. seconds since last fetch 1333.70
2019-05-30 14:57:31.024 iStat Menus Status[644:7980] Fetching weather for lcoation 7.4360, 43.75
2019-05-30 15:25:18.320 iStat Menus Status[644:7980] need to fetch. seconds since last fetch 1666.59
2019-05-30 15:25:18.357 iStat Menus Status[644:7980] Fetching weather for 1coation 7.4360, 43.75
2019-05-30 15:40:20.834 iStat Menus Status[644:7980] need to fetch. seconds since last fetch 901.49
2019-05-30 15:40:21.896 iStat Menus Status[644:7980] Fetching weather for 1coation 7.4360, 43.75
2019-05-30 15:55:23.567 iStat Menus Status[644:7980] need to fetch. seconds since last fetch 900.72
2019-05-30 15:55:25.081 iStat Menus Status[644:7980] Fetching weather for lcoation 7.4360, 43.75
```

iStat Menus - Location

~/Library/Logs/iStat Menus/iStat Menus Status/status.log & Unified Logs

Stored as Longitude, Latitude

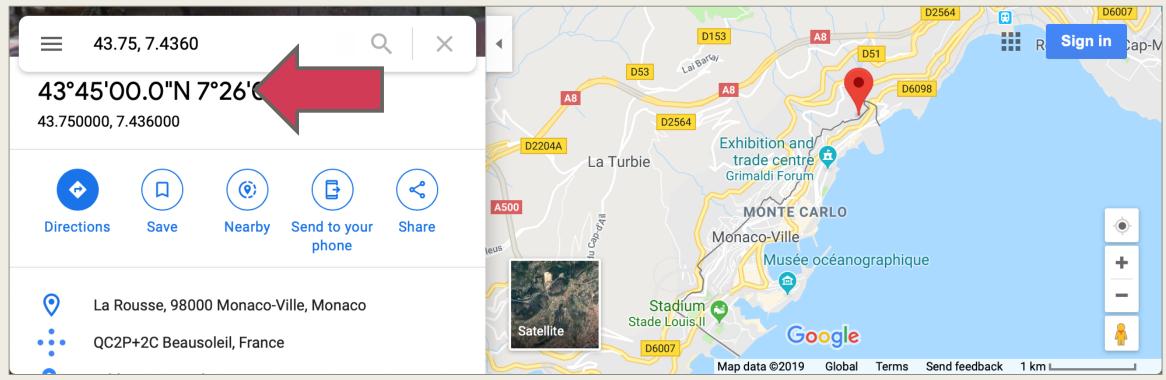


Detailed weather data in NSKeyedArchiver Plist: ~/Library/Caches/iStat Menus/Weather/-7/data.cache

iStat Menus - Location

~/Library/Logs/iStat Menus/iStat Menus Status/status.log & Unified Logs

Stored as Longitude, Latitude



Detailed weather data in NSKeyedArchiver Plist: ~/Library/Caches/iStat Menus/Weather/-7/data.cache

Merci!

- Different applications log different data some better than others.
- Your (sometimes sensitive) data are my investigative pivot points.
 - How were you using your system?
 - When were you using your system?
 - Did you download anything, was it malicious, did you install it anyway?
 - What volumes did you have access to?
 - Where were you?
- Twitter: @iamevItwin
- Blog & Presentations mac4n6.com
- Take a class! Mac and iOS Forensic Analysis & Incident Response
 - for518.com