



OpenCore

Reference Manual (0.8.~~3~~.4)

[2022.08.03]

mode) are not allowed without explicit user authentication by a custom password. Currently, password and salt are hashed with 5000000 iterations of SHA-512.

Note: This functionality is still under development and is not ready for production environments.

7. ExposeSensitiveData

Type: plist integer

Failsafe: 0x6

Description: Sensitive data exposure bitmask (sum) to operating system.

- 0x01 — Expose the printable booter path as a UEFI variable.
- 0x02 — Expose the OpenCore version as a UEFI variable.
- 0x04 — Expose the OpenCore version in the OpenCore picker menu title.
- 0x08 — Expose OEM information as a set of UEFI variables.

The exposed booter path points to OpenCore.efi or its booter depending on the load order. To obtain the booter path, use the following command in macOS:

```
nvrnm 4D1FDA02-38C7-4A6A-9CC6-4BCCA8B30102:boot-path
```

To use a booter path to mount a booter volume, use the following command in macOS:

```
u=$(nvrnm 4D1FDA02-38C7-4A6A-9CC6-4BCCA8B30102:boot-path | sed 's/.*GPT,\([^,]*\),.*\/\1/'); \
if [ "$u" != "" ]; then sudo diskutil mount $u ; fi
```

To obtain the current OpenCore version, use the following command in macOS:

```
nvrnm 4D1FDA02-38C7-4A6A-9CC6-4BCCA8B30102:opencore-version
```

If the OpenCore version is not exposed the variable will contain UNK-000-0000-00-00 sequence.

To obtain OEM information, use the following commands in macOS:

```
nvrnm 4D1FDA02-38C7-4A6A-9CC6-4BCCA8B30102:oem-product # SMBIOS Type1 ProductName
nvrnm 4D1FDA02-38C7-4A6A-9CC6-4BCCA8B30102:oem-vendor # SMBIOS Type2 Manufacturer
nvrnm 4D1FDA02-38C7-4A6A-9CC6-4BCCA8B30102:oem-board # SMBIOS Type2 ProductName
```

8. HaltLevel

Type: plist integer, 64 bit

Failsafe: 0x80000000 (DEBUG_ERROR)

Description: EDK II debug level bitmask (sum) causing CPU to halt (stop execution) after obtaining a message of HaltLevel. Possible values match DisplayLevel values.

9. PasswordHash

Type: plist data 64 bytes

Failsafe: all zero

Description: Password hash used when `EnabledPassword``EnablePassword` is set.

10. PasswordSalt

Type: plist data

Failsafe: empty

Description: Password salt used when `EnabledPassword``EnablePassword` is set.

11. Vault

Type: plist string

Failsafe: Secure

Description: Enables the OpenCore vaulting mechanism.

Valid values:

- `Optional` — require nothing, no vault is enforced, insecure.
- `Basic` — require `vault.plist` file present in OC directory. This provides basic filesystem integrity verification and may protect from unintentional filesystem corruption.