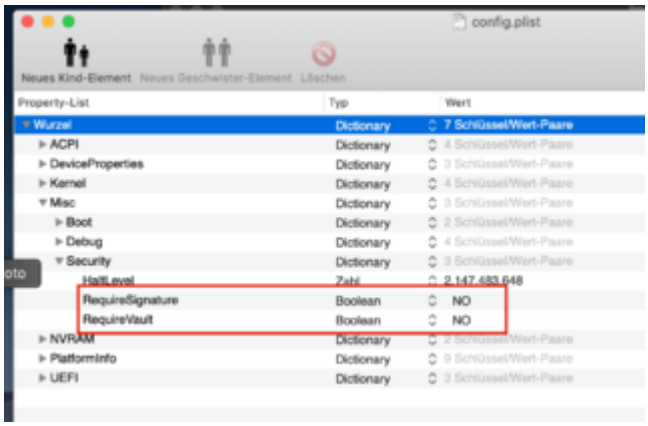
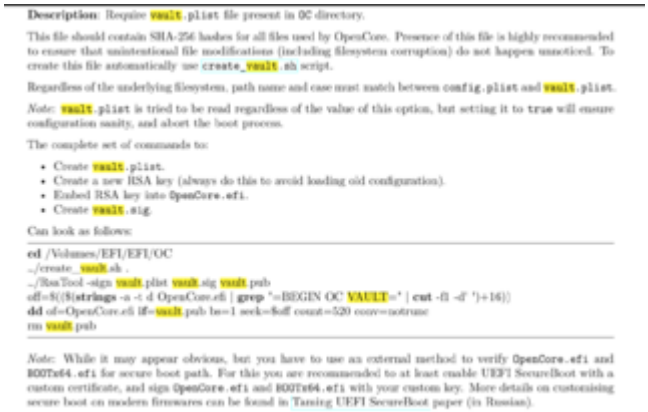
OpenCore Bootloader

Beitrag von „anonymous_writer“ vom 14. April 2019, 12:39

Bei der neunen Version von Noir0SX darauf auchten das diese beiden Parameter auf NO gesetzt werden. Ansonsten muss man sich immer erst die entsprechenden Dateien nach der Anleitung erstellen.





Description: Require `vault.plist` file present in `OC` directory.

This file should contain SHA-256 hashes for all files used by OpenCore. Presence of this file is highly recommended to ensure that unintentional file modifications (including filesystem corruption) do not happen unnoticed. To create this file automatically use `create_vault.sh` script.

Regardless of the underlying filesystem, path name and case must match between `config.plist` and `vault.plist`.

Note: `vault.plist` is tried to be read regardless of the value of this option, but setting it to `true` will ensure configuration sanity, and abort the boot process.

The complete set of commands is:

- Create `vault.plist`.
- Create a new RSA key (always do this to avoid loading old configuration).
- Embed RSA key into `OpenCore.efi`.
- Create `vault.sig`.

Can look as follows:

```
cd /Volumes/EFI/EFI/OC
../create_vault.sh .
../RsaTool -sign vault.plist vault.sig vault.pub
off=$(($(strings -a -t d OpenCore.efi | grep "=BEGIN OC VAULT=" | cut -f1 -d' ')+16))
dd of=OpenCore.efi if=vault.pub bs=1 seek=$off count=520 conv=notrunc
rm vault.pub
```

Note: While it may appear obvious, but you have to use an external method to verify `OpenCore.efi` and `BOOTx64.efi` for secure boot path. For this you are recommended to at least enable UEFI SecureBoot with a custom certificate, and sign `OpenCore.efi` and `BOOTx64.efi` with your custom key. More details on customising secure boot on modern firmwares can be found in Taming UEFI SecureBoot paper (in Russian).