

# OpenCore Bootloader aktuelle und ältere Versionen

Beitrag von „Noir0SX“ vom 2. Dezember 2019, 17:32

## v0.5.3

- Update builtin firmware versions
- Fixed interpreting letters in boot menu
- Fixed timeout abortion with PollAppleHotKeys quirk
- Fixed rare kext injection failure due to plist-only kext in prelinkedkernel
- Fixed error reporting for dmg loading
- Added various debugging improvements
- Added new crypto stack resulting in vault key format changes
- Added UnblockFsConnect UEFI quirk to fix missing filesystems on some laptops
- Added RequestBootVarFallback UEFI quirk to circumvent firmware boot option issues
- Added ThirdPartyDrives kernel quirk fixing SSD trim and 10.15 SATA hibernation (thx [@lvs1974](#))
- Removed ThirdPartyTrim kernel quirk in favour of ThirdPartyDrives
- Added Intel Xeon E5 (Broadwell-EP) support (thx [@crazyi](#))
- Switched to edk2-stable201911, which is now the minimum supported EDK II version

Please note that newly found issues may be fixed in the [development version](#).