

# Clover Bootloader aktuelle und ältere Versionen

Beitrag von „al6042“ vom 25. August 2018, 17:46

Und weiter geht es mit der Version 4658 und folgenden Neuerungen:

The screenshot shows a list of commits from the Clover Bootloader repository. Commit [r4658] is highlighted with a green oval around its first line. The commit message is "include AppleSupportPkg into clover package". Other commits listed include cleanup and consider new format of Biosversion, add deviceid for Lakefield/JasperLake, begin theme.svg parsing, take into account NVMe device path, embedded theme polish by Clovy, continue parsing vector theme, fix potential icon problem for apfs and hfs partition, fix a font color issue when change theme in GUI, prevent EmbeddedThemeType affects other themes, correct link transformations, fix mistake in atan2 leading to sharp artefaacts, correct order of matrix transformation, begin theme parsing, some polishing of embedded themes, by Clovy, and changed apfssupport driver name by savvas.

Commit ID	Commit Message
[r4659]	cleanup and consider new format of Biosversion, add deviceid for Lakefield/JasperLake
[r4658]	include AppleSupportPkg into clover package
[r4657]	begin theme.svg parsing
[r4656]	forget OsxAptioFix2Drv
[r4655]	take into account NVMe device path
[r4654]	embedded theme polish by Clovy
[r4653]	continue parsing vector theme
[r4652]	fix potential icon problem for apfs and hfs partition
[r4651]	fix a font color issue when change theme in GUI
[r4650]	prevent EmbeddedThemeType affects other themes
[r4649]	correct link transformations
[r4648]	fix mistake in atan2 leading to sharp artefaacts
[r4647]	correct order of matrix transformation
[r4646]	begin theme parsing
[r4645]	some polishing of embedded themes, by Clovy
[r4645]	changed apfssupport driver name by savvas

Zu dem erwähnten AppleSupportPkg gehören die beiden EFI-Treiber

- AppleImageLoader > Secure AppleEfiFat binary driver with implementation of AppleLoadImage protocol with EfiBinary signature verification. It provides secure loading of Apple EFI binary files into memory by pre-authenticating its signature.
- AppleUiSupport > Driver which implements set of protocol for support EfiLoginUi which used for FileVault as login window. In short, it implements FileVault support and replaces *AppleKeyMapAggregator.efi*, *AppleEvent.efi*, *AppleUiTheme.efi*, *FirmwareVolume.efi*, *AppleImageCodec.efi*. Also, it contains hash service fixes and unicode collation for some boards. These fixes removed from AptioMemoryFix in R23.

Damit werden einige .efi-Treiber für FileVault-Nutzer reduziert.

