

# APFS - Apple File System

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HFS+ wird ersetzt - 2017!

## Using Apple File System

Warning: The pre-release version of Apple File System is meant for evaluation and development purposes only. Files stored on this volume may not be accessible in future releases of OS X. You should back up all of your data before using APFS and regularly back up data while using APFS, including before upgrading to future releases of OS X.

You can use the `hdiutil` command on OS X 10.12 to create an APFS container on an external hard drive, partition, or disk image:

Code

1. `$ hdiutil create -fs APFS -size 1GB foo.sparseimage`

For additional information about usage, use the `diskutil apfs` command.

You can use the `mount` command to determine whether a particular volume is formatted with APFS:

Code

1. `$ mount/dev/disk1 on / (apfs, local, journaled)`

## Volume Format Specification

A Developer Preview of Apple File System is included in OS X 10.12. The APFS on-disk volume format is pre-release and subject to change. Apple plans to document and publish the APFS volume format when Apple File System is released in 2017.

## **Open Source**

An open source implementation is not available at this time. Apple plans to document and publish the APFS volume format when Apple File System is released in 2017.

## **Current Limitations**

As a developer preview of this technology, there are currently several limitations:

- Startup Disk: APFS volumes cannot currently be used as a startup disk.
- Case Sensitivity: Filenames are currently case-sensitive only.
- Time Machine: Time Machine backups are not currently supported.
- FileVault: APFS volumes cannot currently be encrypted using FileVault.
- Fusion Drive: Fusion Drives cannot currently use APFS.