

**NAME**

**isoboot** - Boot code for hybrid ISO/USB images on BIOS-based computers

**DESCRIPTION**

**isoboot** is used on BIOS-based computers to boot from an ISO image that has been written to a USB flash drive or other HDD-like device. **isoboot** is installed in a **freebsd-boot** partition with `mkimg(1)`.

**IMPLEMENTATION NOTES**

The El Torito standard for bootable CDs provides a 32KB "System Area" at the beginning of an image. To create an image that is able to be booted by the BIOS as either a CD-ROM ("ISO") and as a more HDD-like image (e.g. on a USB flash drive) it is necessary to have both a standard El Torito boot catalog containing a HDD-style partition table and boot code. **isoboot** is intended to be placed in a GPT partition to allow the system to find the standard FreeBSD loader(8) in the ISO filesystem later in the image.

**BOOTING**

**isoboot** looks for an ISO filesystem image on the device it was booted from and seeks to read either the primary FreeBSD loader(8) or kernel from there.

**SEE ALSO**

`mkimg(1)`

**HISTORY**

**isoboot** appeared in FreeBSD 12.0.

**AUTHORS**

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