NAME
  libefivar - EFI Non Volatile Variable Support

SYNOPSIS
  #include <efivar.h>

  int
  efi_append_variable(*efi_guid_t guid*, *const char *name*, *void *data*, *size_t data_size*,
    uint32_t attributes);

  int
  efi_del_variable(*efi_guid_t guid*, *const char *name*);

  int
  efi_get_variable(*efi_guid_t guid*, *const char *name*, *void **data*, *ssize_t *data_size*,
    *uint32_t *attributes*);

  int
  efi_get_variable_attributes(*efi_guid_t guid*, *const char *name*, *uint32_t *attributes*);

  int
  efi_get_variable_size(*efi_guid_t guid*, *const char *name*, *size_t *size*);

  int
  efi_get_next_variable_name(*efi_guid_t **guid*, *char **name*);

  int
  efi_guid_to_name(*efi_guid_t *guid*, *char **name*);

  int
  efi_guid_to_symbol(*efi_guid_t *guid*, *char **symbol*);

  int
  efi_guid_to_str(*const efi_guid_t *guid*, *char **sp*);

  int
  efi_name_to_guid(*const char *name*, *efi_guid_t *guid*);

  int
  efi_set_variable(*efi_guid_t guid*, *const char *name*, *void *data*, *size_t data_size*, *uint32_t attributes*);

int
efi_str_to_guid(*const char *s*, *efi_guid_t *guid*);

int
efi_variables_supported(*void*);

DESCRIPTION

The **libefivar** library implements access to EFI Variables via the EFI Runtime Services. All *char ** strings are converted to 16-bit UTF strings before passing them to EFI.

efi_variables_supported() returns non-zero if the current machine supports setting of EFI firmware variables and the kernel support for doing so is present. Otherwise zero is returned.

efi_del_variable() deletes the EFI variable selected by *guid* and *name*.

The following functions have not been implemented yet:
- **efi_append_variable**()
- **efi_get_next_variable_name**()
- **efi_get_variable**()
- **efi_get_variable_attributes**()
- **efi_get_variable_size**()
- **efi_guid_to_name**()
- **efi_guid_to_str**()
- **efi_guid_to_symbol**()
- **efi_name_to_guid**()
- **efi_set_variable**()
- **efi_str_to_guid**()

SEE ALSO

efidev(4)

HISTORY

The **libefivar** library first appeared in FreeBSD 12.0.

AUTHORS

This software was originally written by Warner Losh.

BUGS

No facilities exist to process the strings as native UTF. This is a limitation in the Linux **libefivar** library interface.