

**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.