

**NAME**

ne\_strparam - HTTP extended parameter value encoding

**SYNOPSIS**

```
#include <ne_string.h>
```

```
char *ne_strparam(const char *charset, const char *lang, const char *value);
```

**DESCRIPTION**

The **ne\_strparam** function can be used to encode an extended parameter value for an HTTP header, as defined in RFC 5987. The function takes as arguments the *value* to encode, using a given MIME *charset* character set, and *lang* language tag. The extended parameter encoding is used in HTTP protocol specifications to allow easily embedding special characters (such as quote marks, separators or non-ASCII) in header values.

In accordance with RFC 5987, the *charset* argument must be either **"UTF-8"** or **"ISO-8859-1"**, but the *lang* argument may be NULL.

**RETURN VALUE**

The return value is either:

NULL

if the value parameter is a "regular parameter" and does not need extended encoding

non-NULL

the encoding of the input value as an extended parameter as a NUL-terminated, malloc-allocated string

**SEE ALSO**

<https://tools.ietf.org/html/rfc5987>

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