

**NAME**

PCRE - Perl-compatible regular expressions

**SYNOPSIS**

```
#include <pcre.h>

int pcre32_utf32_to_host_byte_order(PCRE_UCHAR32 *output,
    PCRE_SPTR32 input, int length, int *host_byte_order,
    int keep_boms);
```

**DESCRIPTION**

This function, which exists only in the 32-bit library, converts a UTF-32 string to the correct order for the current host, taking account of any byte order marks (BOMs) within the string. Its arguments are:

<i>output</i>	pointer to output buffer, may be the same as <i>input</i>
<i>input</i>	pointer to input buffer
<i>length</i>	number of 32-bit units in the input, or negative for a zero-terminated string
<i>host_byte_order</i>	a NULL value or a non-zero value pointed to means start in host byte order
<i>keep_boms</i>	if non-zero, BOMs are copied to the output string

The result of the function is the number of 32-bit units placed into the output buffer, including the zero terminator if the string was zero-terminated.

If *host\_byte\_order* is not NULL, it is set to indicate the byte order that is current at the end of the string.

There is a complete description of the PCRE native API in the **pcreapi** page and a description of the POSIX API in the **pcreposix** page.