

**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:

*output*        pointer to output buffer, may be the same as *input*  
*input*        pointer to input buffer  
*length*       number of 32-bit units in the input, or negative for  
              a zero-terminated string  
*host\_byte\_order* a NULL value or a non-zero value pointed to means  
              start in host byte order  
*keep\_boms*    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.