

ngx_config.h Documentation :

Macros Defined :

```
#define ngx_signal_helper(n)    SIG##n
#define ngx_signal_value(n)    ngx_signal_helper(n)
```

Both these lines are used to generate a string literal which is formed by concatenating the constant "SIG" with parameter n e.g. SIGTERM, SIGSEGV etc.

```
#define ngx_random                random
#define NGX_SHUTDOWN_SIGNAL      QUIT ->Macro definition for linux/unix signal QUIT
#define NGX_TERMINATE_SIGNAL     TERM ->Macro definition for linux/unix signal TERM
#define NGX_NOACCEPT_SIGNAL      WINCH ->Macro definition for linux/unix signal WINCH
#define NGX_RECONFIGURE_SIGNAL   HUP ->Macro definition for linux/unix signal HUP
#define NGX_CHANGEBIN_SIGNAL     XCPU ->Macro definition for linux/unix signal XCPU
#define NGX_REOPEN_SIGNAL        USR1 ->Macro definition for linux/unix signal USR1
#define NGX_CHANGEBIN_SIGNAL     USR2 ->Macro definition for linux/unix signal USR2
#define ngx_cdecl                -> An empty macro that will be later expanded differently by different compilers
#define ngx_libc_cdecl           -> An empty macro as above
#define NGX_INT32_LEN            (sizeof("-2147483648") - 1) ->Maximum number of digits that INT32 can accommodate i.e 11-1=10
#define NGX_INT64_LEN            (sizeof("-9223372036854775808") - 1) ->Maximum number of digits that INT64 can accommodate i.e 20-1=19

#define NGX_INT_T_LEN            NGX_INT32_LEN ->Sets the maximum length of INT_T on a 32 bit platform
#define NGX_INT_T_LEN            NGX_INT64_LEN ->Sets the maximum length of INT_T on a 64 bit platform
#define NGX_ALIGNMENT            sizeof(unsigned long) ->Alignment is set to size of unsigned long

#define ngx_align(d, a)          (((d) + (a - 1)) & ~(a - 1))

#define ngx_align_ptr(p, a)      \
    (u_char *) (((uintptr_t) (p) + ((uintptr_t) a - 1)) & ~((uintptr_t) a - 1))

#define ngx_abort                abort -> ngx_abort acts as wrapper for abort signal
#define NGX_INVALID_ARRAY_INDEX 0x80000000 -> Sets the invalid array index as 0x80000000 i.e -2^31
#define NGX_MAXHOSTNAMELEN      MAXHOSTNAMELEN ->Sets the maximum host name length i.e. 256
#define NGX_MAX_INT32_VALUE      (uint32_t) 0x7fffffff ->specifies the maximum value of unsigned int i.e. 2^31
```

Type Definitions :

```
typedef intptr_t    ngx_int_t; ->set a custom ngx wrapper for intptr_t data type
typedef uintptr_t    ngx_uint_t; ->set a custom ngx wrapper for uintptr_t data type
typedef intptr_t    ngx_flag_t; ->set a custom ngx wrapper for intptr_t data type
```

Data Structures :

No data structures defined.

Include Dependency Graph :

