ngx_md5.{h,c} Documentation :

Macros Defined :

#define ngx_md5_init   MD5_Init   ->specifies that type of init() function used is md5_init()

#define ngx_md5_update MD5_Update   ->specifies that type of update() function used is
md5_update()

#define ngx_md5_final   MD5_Final   ->specifies that type of final() function used is md5_final()

Type Definitions :

//Represents the MD5_CTX structure

```
typedef struct {
        uint64_t  bytes;
        uint32_t  a, b, c, d;
        u_char    buffer[64];
} ngx_md5_t;
```

Functions Defined :

//ngx_md5_init() initializes the MD5_CTX structure

void ngx_md5_init(ngx_md5_t *ctx)

//ngx_md5_update() is called with the data and ctx structure and hashes the given data

```
void ngx_md5_update(  ngx_md5_t *ctx,        ->Pointer to MD5 CTX structure
                      const void *data,       ->pointer to void that can store any type of data
                      size_t size             ->stores the size of the data
                   )
```

//ngx_md5_final() stores the md5 hash in result and erases the MD5_CTX structure

```
void ngx_md5_final(  u_char result[16],   ->String used to store the md5 hash(16 character)
                     ngx_md5_t *ctx       ->Represents the MD5_CTX structure
                  )
```

ngx_md5.h → ngx_core.h

ngx_core.h includes:
- ngx_errno.h
- ngx_atomic.h
- ngx_thread.h
- ngx_rbtree.h
- ngx_time.h
- ngx_socket.h
- ngx_string.h
- ngx_files.h
- ngx_shmen.h
- ngx_process.h
- ngx_user.h
- ngx_parse.h
- ngx_log.h
- ngx_alloc.h
- ngx_palloc.h
- ngx_buf.h
- ngx_queue.h
- ngx_list.h
- ngx_hash.h
- ngx_file.h
- ngx_crc.h
- ngx_crc32.h
- ngx_murmurhash.h
- ngx_radix_tree.h
- ngx_times.h
- ngx_shmtx.h
- ngx_slab.h
- ngx_inet.h
- ngx_cycle.h
- ngx_resolver.h
- ngx_process_cycle.h
- ngx_conf_file.h
- ngx_open_file_cache.h
- ngx_os.h

ngx_hash.h ↔ ngx_config.h

ngx_config.h includes:
- ngx_auto_headers.h
- ngx_posix_config.h

ngx_posix_config.h includes:
- sys/types.h
- sys/time.h
- stdarg.h
- stddef.h
- stdio.h
- stdlib.h
- errno.h
- string.h
- signal.h
- pwd.h