ngx_radix_tree.h Documentation :

#define NGX_RADIX_NO_VALUE   (uintptr_t) -1

typedef struct ngx_queue_s ngx_queue_t;

```
struct ngx_radix_node_s {
            ngx_radix_node_t  *right;
            ngx_radix_node_t  *left;
            ngx_radix_node_t  *parent;
            uintptr_t              value;
};
typedef struct {
            ngx_radix_node_t  *root;
            ngx_pool_t         *pool;
            ngx_radix_node_t  *free;
            char                  *start;
            size_t                 size;
} ngx_radix_tree_t;
```

```
ngx_radix_tree_t *ngx_radix_tree_create(  ngx_pool_t  *pool,
                                  ngx_int_t    preallocate
                              )

ngx_int_t ngx_radix32tree_insert(  ngx_radix_tree_t *tree,
                          uint32_t           key,
                          uint32_t           mask,
                          uintptr_t          value
                      )
ngx_int_t ngx_radix32tree_delete(  ngx_radix_tree_t  *tree,
                          uint32_t           key,
                          uint32_t           mask
                      )
```

```c
uintptr_t ngx_radix32tree_find(  ngx_radix_tree_t  *tree,
                                 uint32_t           key
                              )


ngx_int_t ngx_radix128tree_insert(  ngx_radix_tree_t  *tree,
                                    u_char             *key,
                                    u_char             *mask,
                                    uintptr_t           value
                                 )


ngx_int_t ngx_radix128tree_delete(  ngx_radix_tree_t *tree,
                                    u_char             *key,
                                    u_char             *mask
                                 )


uintptr_t ngx_radix128tree_find(  ngx_radix_tree_t *tree,
                                  u_char             *key
                               )
```

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_radix_tree.h
ngx_core.h
ngx_config.h
ngx_auto_headers.h
ngx_posix_config.h

sys/types.h
sys/time.h
stdarg.h
stddef.h
stdio.h
stdlib.h
errno.h
string.h
signal.h
pwd.h