

ngx_shmtx.h Documentation:

Functions Declared:

```
ngx_int_t ngx_shmtx_create( ngx_shmtx_t *mtx,
                             ngx_shmtx_sh_t *addr,
                             u_char *name
                             );

void ngx_shmtx_destroy( ngx_shmtx_t *mtx);

ngx_uint_t ngx_shmtx_trylock(ngx_shmtx_t *mtx);

void ngx_shmtx_lock(ngx_shmtx_t *mtx);

void ngx_shmtx_unlock(ngx_shmtx_t *mtx);

ngx_uint_t ngx_shmtx_force_unlock( ngx_shmtx_t *mtx,
                                    ngx_pid_t pid
                                    );
```

Data Structures Defined:

```
typedef struct {
    ngx_atomic_t  lock;
    #if (NGX_HAVE_POSIX_SEM)
        ngx_atomic_t  wait;
    #endif
} ngx_shmtx_sh_t;

typedef struct {
    #if (NGX_HAVE_ATOMIC_OPS)
        ngx_atomic_t  *lock;
    #if (NGX_HAVE_POSIX_SEM)
        ngx_atomic_t  *wait;
        ngx_uint_t     semaphore;
        sem_t          sem;
    #endif
    #else
        ngx_fd_t       fd;
        u_char         *name;
    #endif
    ngx_uint_t        spin;
} ngx_shmtx_t;
```

Include Dependency Graph :

