ngx_crc32.h Documentation

Functions Declared:

```
ngx_cycle_t *ngx_init_cycle( ngx_cycle_t *old_cycle );

ngx_int_t ngx_create_pidfile( ngx_str_t *name,
                              ngx_log_t *log
                            );

void ngx_delete_pidfile( ngx_cycle_t *cycle);

ngx_int_t ngx_signal_process( ngx_cycle_t *cycle,
                              char *sig
                            );

void ngx_reopen_files( ngx_cycle_t *cycle,
                       ngx_uid_t user
                     );

char **ngx_set_environment( ngx_cycle_t *cycle,
                            ngx_uint_t *last
                          );

ngx_pid_t ngx_exec_new_binary( ngx_cycle_t *cycle,
                               char *const *argv
                             );

uint64_t ngx_get_cpu_affinity( ngx_uint_t n);

ngx_shm_zone_t *ngx_shared_memory_add( ngx_conf_t *cf,
                                       ngx_str_t *name,
                                       size_t size,
                                       void *tag
                                     );
```

Type defination:

```
typedef struct ngx_shm_zone_s  ngx_shm_zone_t;
typedef ngx_int_t (*ngx_shm_zone_init_pt) (ngx_shm_zone_t *zone, void *data);
```

Data Structures Defined:

```
struct ngx_shm_zone_s {
    void                     *data;
    ngx_shm_t                 shm;
    ngx_shm_zone_init_pt      init;
    void                     *tag;
}
```

```
struct ngx_cycle_s {
    void                  ****conf_ctx;
    ngx_pool_t            *pool;
    ngx_log_t             *log;
    ngx_log_t              new_log;
    ngx_uint_t             log_use_stderr;  /* unsigned  log_use_stderr:1; */
    ngx_connection_t       **files;
    ngx_connection_t       *free_connections;
    ngx_uint_t              free_connection_n;
    ngx_queue_t             reusable_connections_queue;
    ngx_array_t             listening;
    ngx_array_t             paths;
    ngx_list_t              open_files;
    ngx_list_t              shared_memory;
    ngx_uint_t              connection_n;
    ngx_uint_t              files_n;
    ngx_connection_t        *connections;
    ngx_event_t             *read_events;
    ngx_event_t             *write_events;
    ngx_cycle_t             *old_cycle;
    ngx_str_t               conf_file;
    ngx_str_t               conf_param;
    ngx_str_t               conf_prefix;
    ngx_str_t               prefix;
    ngx_str_t               lock_file;
    ngx_str_t               hostname;
};

typedef struct {
     ngx_flag_t             daemon;
     ngx_flag_t             master;

     ngx_msec_t             timer_resolution;
     ngx_int_t              worker_processes;
     ngx_int_t              debug_points;
     ngx_int_t              rlimit_nofile;
     ngx_int_t              rlimit_sigpending;
     off_t                  rlimit_core;
     int                    priority;
     ngx_uint_t             cpu_affinity_n;
     uint64_t              *cpu_affinity;
     char                  *username;
     ngx_uid_t              user;
     ngx_gid_t              group;
     ngx_str_t              working_directory;
     ngx_str_t              lock_file;
     ngx_str_t              pid;
```

```
    ngx_str_t                oldpid;
    ngx_array_t              env;
    char                   **environment;
    #if (NGX_THREADS)
        ngx_int_t            worker_threads;
        size_t               thread_stack_size;
   #endif
} ngx_core_conf_t;

typedef struct {
     ngx_pool_t              *pool;   /* pcre's malloc() pool */
} ngx_core_tls_t;
```

Macros Defined:

```
#define NGX_CYCLE_POOL_SIZE     NGX_DEFAULT_POOL_SIZE
#define NGX_DEBUG_POINTS_STOP   1
#define NGX_DEBUG_POINTS_ABORT  2
#define ngx_is_init_cycle(cycle)  (cycle->conf_ctx == NULL)
```

Extern Variables :

```
extern volatile ngx_cycle_t  *ngx_cycle;
extern ngx_array_t            ngx_old_cycles;
extern ngx_module_t           ngx_core_module;
extern ngx_uint_t             ngx_test_config;
extern ngx_uint_t             ngx_quiet_mode;
extern ngx_tls_key_t          ngx_core_tls_key;
```

Include Dependency Graph :