

# ngx\_regex.h Documentation:

## Functions Declared:

```
void ngx_regex_init(void);

ngx_int_t ngx_regex_compile( ngx_regex_compile_t *rc);

ngx_int_t ngx_regex_exec_array( ngx_array_t  *a,
                                ngx_str_t     *s,
                                ngx_log_t     *log
                                );
```

## Data Structures Defined:

```
typedef struct {
    pcre      *code;
    pcre_extra *extra;
} ngx_regex_t;

typedef struct {
    ngx_str_t  pattern;
    ngx_pool_t *pool;
    ngx_int_t  options;

    ngx_regex_t *regex;
    int          captures;
    int          named_captures;
    int          name_size;
    u_char      *names;
    ngx_str_t   err;
} ngx_regex_compile_t;

typedef struct {
    ngx_regex_t *regex;
    u_char      *name;
} ngx_regex_elt_t;
```

## Macros Defined:

```
#define NGX_REGEX_NO_MATCHED  PCRE_ERROR_NOMATCH /* -1 */
#define NGX_REGEX_CASELESS   PCRE_CASELESS

#define ngx_regex_exec(re, s, captures, size) \
    pcre_exec(re->code, re->extra, (const char *) (s)->data, (s)->len, 0, 0, \
              captures, size)

#define ngx_regex_exec_n      "pcre_exec()"
```

Include Dependency Graph :

