

NAME

rel2abs - make an absolute path name from a relative path name

SYNOPSIS

*char **

rel2abs(*const char *path, const char *base, char *result, size_t size*);

DESCRIPTION

The **rel2abs**() function makes an absolute path name from a relative path name *path* based on a directory *base* and copies the resulting path name into the memory referenced by *result*. The *result* argument must refer to a buffer capable of storing at least *size* character

The resulting path name may include symbolic links. **abs2rel**() doesn't check whether or not any path exists.

RETURN VALUES

The **rel2abs**() function returns absolute path name on success. If an error occurs, it returns NULL.

EXAMPLES

```
char result[MAXPATHLEN];
char *path = rel2abs("../src/sys", "/usr/local/lib", result, MAXPATHLEN);
```

yields:

```
path == "/usr/src/sys"
```

Similarly,

```
path1 = rel2abs("src/sys", "/usr", result, MAXPATHLEN);
path2 = rel2abs(".", "/usr/src/sys", result, MAXPATHLEN);
```

yields:

```
path1 == "/usr/src/sys"
path2 == "/usr/src/sys"
```

ERRORS

The **rel2abs**() function may fail and set the external variable *errno* to indicate the error.

[EINVAL] The *base* directory isn't an absolute path name or the *size* argument is zero.

[ERANGE]

The *size* argument is greater than zero but smaller than the length of the pathname plus 1

SEE ALSO

abs2rel(3)

AUTHORS

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