Filesystem API reference

Summary

Functions

File type checking

FMC_dirExists

Function signature	Example 1	Example 2

```c
int FMC_dirExists(const char* restrict path);

if (FMC_dirExists("test/main.c"))
{
    FILE *src_file = fopen("test/main.c", "rb");
    // do something with it
}
else
{

}
    // ...

char directory[128] = "C:\\Users\\YourFolder\\";
if (FMC_dirExists(directory))
{
    printf("Entering directory %s\n", directory);
    // ...
}
else
    // ...
```

want to check the existence. The file can either be a any valid device, socket... Multi-byte caracters are not

Return value

The function returns non-zero value if the path effectively exists, 0 otherwise.

Description

You can use this function on any Unix system or Windows. The Windows version uses the Win32 filesystem API and thus does not require any particular compiler. The Unix version uses the usual stat function.

FMC_isDir

Function signature	Example of use

`int FMC_isDir(const char* restrict path);`	`if(FMC_isDir("/home/you/random_folder/") == 0)`
	`{`
	`    DIR *your_dir;`
	`    struct dirent *entries;`
	`    your_dir = opendir("/home/you/random_folder/");`
	`    while((entries = readdir(your_dir)) != NULL)`
	`    {`
	`        printf("%s\n", entries->d_name);`
	`    }`
	`    closedir(your_dir);`
	`    // ... (1)!`
	`}`

...e you want to check if it's a directory. Multi-byte caracters are not supported.

1. This example is not that usefull by itself since you could have checked `your_dir != NULL` after it has been opened, but the whole interest is here, it's a portable and simple way to...

Return value

The function returns a non-zero value if the path effectively exists, 0 if not.

Description

You can use this function on any Unix system or Windows. The Windows version uses the Win32 filesystem API and thus does not require any particular compiler. The Unix version uses the usual stat function.

FMC_isRegFile

Function signature	Example of use

`int FMC_isRegFile(const char* restrict path);`
 	
`// To be done`	

To be done

FMC_isSocket

Directory management