▤ **Documentation**   Language: Swift

Hummingbird / LocalFileSystem

Structure

LocalFileSystem

Local file system file provider used by FileMiddleware. All file accesses are relative to a root folder

```
struct LocalFileSystem
```

Topics

Structures

struct FileAttributes

File attributes required by **FileMiddleware**

Initializers

init(rootFolder: String, threadPool: NIOThreadPool, logger: Logger)

Initialize LocalFileSystem FileProvider

Instance Methods

func getAttributes(id: FileIdentifier) async throws -> File Attributes?

Get file attributes

```
func getFileIdentifier(String) -> FileIdentifier?
```

    Get full path name with local file system root prefixed

```
func loadFile(id: FileIdentifier, context: some RequestContext)
async throws -> ResponseBody
```

    Return a reponse body that will write the file body

```
func loadFile(id: FileIdentifier, range: ClosedRange<Int>, context:
some RequestContext) async throws -> ResponseBody
```

    Return a reponse body that will write a partial file body

Type Aliases

```
typealias FileIdentifier
```

    File Identifier (Fully qualified path)

Relationships

Conforms To

`FileProvider`, `Swift.Sendable`

See Also

File management/middleware

```
struct FileMiddleware
```

    Middleware for serving static files.

```
struct FileIO
```

    Manages File reading and writing.

protocol FileProvider

    Protocol for file provider type used by <u>FileMiddleware</u>

protocol FileMiddlewareFileAttributes

    Protocol for all the file attributes required by <u>FileMiddleware</u>