🖿 **Documentation**   Language: Swift

/ FileProvider

Protocol

FileProvider

Protocol for file provider type used by **FileMiddleware**

```
protocol FileProvider : Sendable
```

Topics

Associated Types

associatedtype `FileAttributes`

> File attributes type
>
> **Required**

associatedtype `FileIdentifier`

> File identifier
>
> **Required**

Instance Methods

func `getAttributes(id: FileIdentifier) async throws -> FileAttributes?`

> Get file attributes
>
> **Required**

func `getFileIdentifier(String) -> FileIdentifier?`

Get file identifier

Required

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

Return a reponse body that will write the file body

Required

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

Return a reponse body that will write a partial file body

Required

Relationships

Inherits From

```
Swift.Sendable
```

Conforming Types

```
LocalFileSystem
```

See Also

File management/middleware

```
struct FileMiddleware
```

Middleware for serving static files.

```
struct FileIO
```

Manages File reading and writing.

protocol FileMiddlewareFileAttributes

Protocol for all the file attributes required by __FileMiddleware__

struct LocalFileSystem

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