

[Hummingbird](#) / FileIO

## Structure

# FileIO

Manages File reading and writing.

```
struct FileIO
```

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## Topics

### Initializers

```
init(threadPool: NIOThreadPool)
```

Initialize FileIO

### Instance Methods

```
func loadFile(path: String, context: some RequestContext, chunkLength: Int) async throws -> ResponseBody
```

Load file and return response body

```
func loadFile(path: String, range: ClosedRange<Int>, context: some RequestContext, chunkLength: Int) async throws -> ResponseBody
```

Load part of file and return response body.

```
func writeFile(buffer: ByteBuffer, path: String, context: some RequestContext) async throws
```

Write contents of buffer to file

```
func writeFile<AS>(contents: AS, path: String, context: some Request  
Context) async throws
```

Write contents of AsyncSequence of buffers to file

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## Relationships

### Conforms To

Swift.Sendable

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## See Also

### File management/middleware

```
struct FileMiddleware
```

Middleware for serving static files.

```
protocol FileProvider
```

Protocol for file provider type used by [FileMiddleware](#)

```
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

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