







pkg Class Diagram File Coverage

File Coverage

FileCoverage

```

+ DEFAULT_LCOV_FILE_NAME : string = "lcov.info"
- lcovFiles : Map<string, LcovFile>

+ getAllCoverageLines(useGitDiff : boolean, referenceBranch : string) : CompleteCoverageLines[]
+ getLcovFiles() : LcovFile
+ getCoverageLinesForEditor(textEditor : TextEditor, useGitDiff : boolean, referenceBranch : string) : CoverageLines
- getCoverageLinesForAFile(lcovFiles : LcovFile[], fileName : string, useGitDiff : boolean, referenceBranch : string) : CoverageLines
- lcovFilesToCoverageLines(lcovFiles : LcovFile[]) : CoverageLines
- lcovFileToCoverageLines(lcovFile : LcovFile) : CoverageLines | undefined
+ createNewCoverageFile() : FileCoverage
- findCoverageFiles() : Set<string>
- findCoverageInWorkspace(fileName : string) : Set<string>
- findCoverageForFileName(fileName : string) : Set<string>
- globFind(workspaceFolder : WorkspaceFolder, fileName : string) : Set<string>
- filesToLcovFiles(files : Map<string, string>) : Map<string, LcovFile>
- loadDataFiles(files : Set<string>) : Map<string, string>
- load(path : string) : stringstring
- lcovExtract(filename : string, lcovFile : string) : Map<string, LcovFile>
- convertLcovFilesToMap(data : LcovFile[]) : Map<string, LcovFile>
- handleError(system : string, message : string) : void

```

FileCoverageService

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- referenceFileName : string
- fileCoverageSubject : FileCoverage

+ getCoverageData() : FileCoverage
+ addFileCoverageWatcher() : void
- fileChanged() : void

```

CoverageLines

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- full : RangeLine[]
- partial : RangeLine[]
- none : RangeLine[]

+ createDiffCoverageLines(coverageLines : CoverageLines, branchDiff : BranchDiff) : CoverageLines
+ filterCoverageLines(lines : RangeLine[], branchDiff : BranchDiff) : void

```

pkg Class Diagram Project Configuration

Project Configuration**ProjectConfiguration**

+ DEFAULT_FILE_NAME : string = ".coveringconfig"
+ MINIMUM_COVERAGE_DEFAULT_VALUE : float = 0.8
+ lcofFilePath : string | undefined
+ minCoverage : float
+ refBranch : string | undefined
+ runTestCoverage : string | undefined
+ runTestCoverageWatchMode : string | undefined
+ usePrePushValidation : boolean = false

- getMinCoverageRangeValidation(value : float) : ValidationResult
- validateNullableValueWithDefault<T>(value : any, defaultValue : T, extraValidations : Array<(value: T) => ValidationResult>) : T
+ createNewConfiguration() : ProjectConfiguration
+ getFileData() : string | null

ProjectConfigurationService

- referenceFileName : string
- projectConfigurationSubject : ProjectConfiguration

+ requireConfigFileGeneration() : boolean
+ getProjectConfigurationData() : ProjectConfiguration
+ fileChanged() : void







