

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

```

- referenceFileName : string
- fileCoverageSubject : FileCoverage

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

```

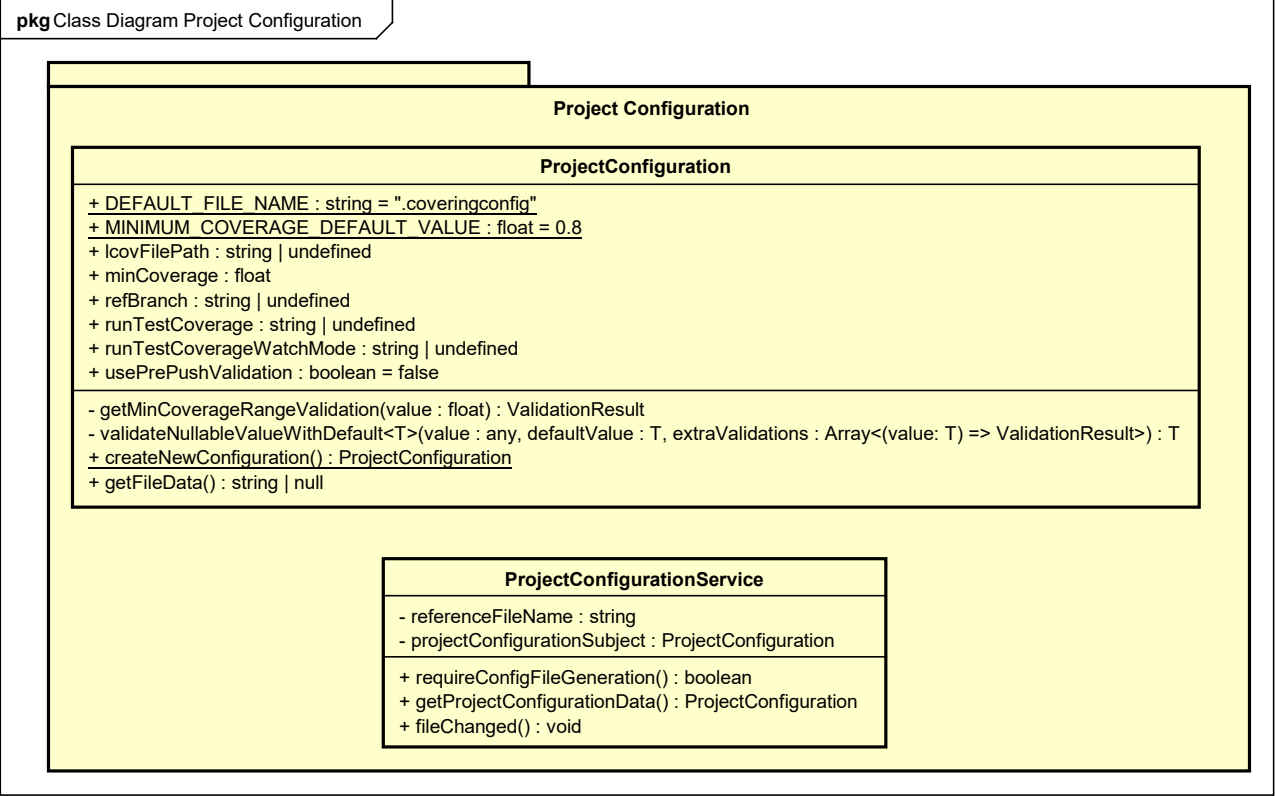
CoverageLines

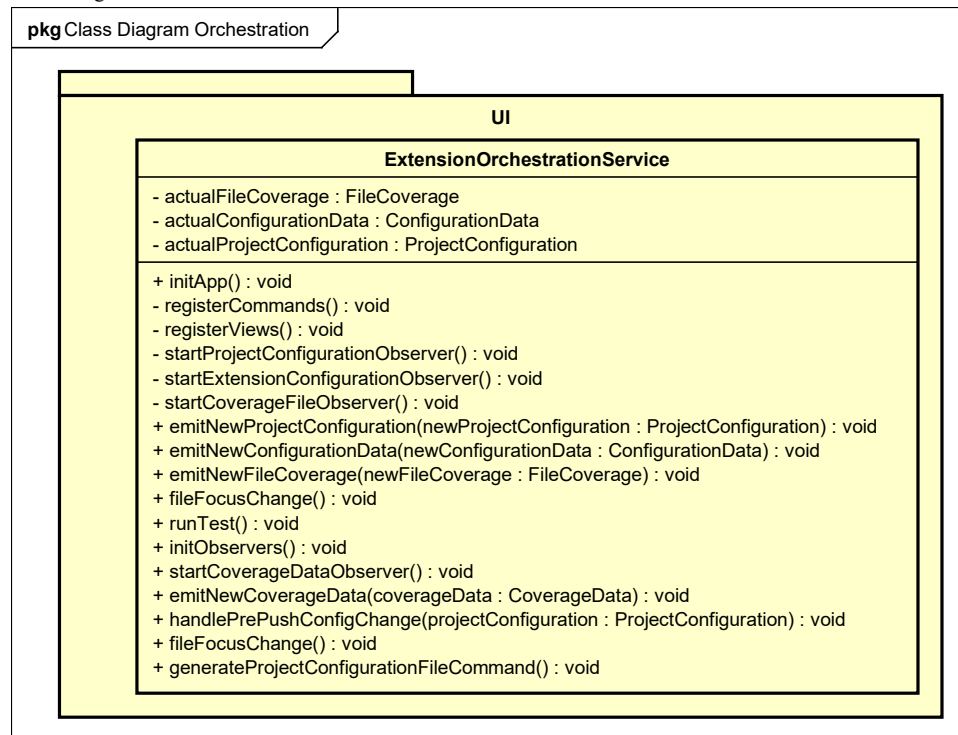
```

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

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

```





pkg Class Diagram Uncoverage Lines

Uncoverage Lines

UncoveredLinesTree

```

- actualUncoveredLinesData : UncoveredLinesData
+ onDidChangeTreeData : Function<Event<void>>

+ createView() : void
- emitNewUncoveredLinesData(newUncoveredLinesData : UncoveredLinesData) : void
+ selectUncoveredLine(line : Line) : void
+ getTreeItem(element : UncoveredLineTreeNode<Folder | File | Line>) : TreeItem
+ getChildren(element : UncoveredLineTreeNode<Folder | File | Line> | undefined) : UncoveredLineTreeNode<Folder | File | Line>[]
- getLineTreeItem(lineTreeItem : TreeItem, selfData : Line) : TreeItem
- getFolderTreeItem(selfData : Folder) : TreeItem
- getFileTreeItem(selfData : File) : TreeItem
- getFileChildren(parentFile : File) : UncoveredLineTreeNode<Line>[]
- getFolderChildren(parentFolder : Folder) : UncoveredLineTreeNode<Folder | File>[]

```

UncoveredLinesService

```

- uncoveredLinesDataSubject : UncoveredLinesData

+ selectUncoveredLine(line : Line) : void
+ setCurrentUncoveredLines() : void
+ getUncoveredLinesData(fileCoverage : FileCoverage, extensionConfiguration : ConfigurationData) : UncoveredLinesData

```

Folder

```

+ folderName : string
+ folders : Folder[]
+ files : File[]
+ uri : Uri

+ getFolderChildren(completeCoverageLines : CompleteCoverageLines[]) : FolderChildren
- readDirectory(uri : Uri) : DirectoryFile[]
- createStatFile(path : string) : FileStat
+ createRootFolder(uri : Uri, completeCoverageLines : CompleteCoverageLines[]) : Folder

```

UncoveredLineTreeNode

```

+ type : FileType
+ selfData : T

```

UncoveredLinesData

```

+ root : Folder

+ updateUncoveredLinesData(param45 : FileCoverage, extensionConfiguration : ConfigurationData) : UncoveredLinesData | null

```

FolderChildren

```

+ folders : Folder[]
+ files : File[]

```

DirectoryFile

```

+ type : FileType

```

<<interface>>
LineCoverageStatus

```

+ covered : string = "full"
+ partiallyCovered : string = "partial"
+ uncovered : string = "none"

```

File

```

+ fileName : string
+ lines : Line[]
+ uri : Uri

```

RangeLine

```

+ lineNumber : int
+ equals(data : RangeLine) : boolean

```

Line

```

+ parentFile : File
+ rangeLine : RangeLine
+ coverageStatus : LineCoverageStatus

```

