

CrontabParser

- static removeComment(String line): String

- static parseLine(String line): TaskMetadata

- static internalParse(InputStream input): List<TaskMetadata>

+ static parseFile(String filename): List<TaskMetadata>

+ static parse(InputStream input): List<TaskMetadata>

+ static parse(String input): List<TaskMetadata>

JJCronCore

- args: String[]

- crontabFilename: String

- taskScheduler: TaskScheduler

- parseArguments(): void

+ run(): void

TaskScheduler

- running: AtomicBoolean

- exit: AtomicBoolean

- scheduler: ScheduledExecutorService

- tasks: List<Task>

- taskFactory: TaskFactory

+ justWait(): void

+ exit(): void

- scheduleTask(Task task): void

- loadTask(TaskMetadata taskMeta): void

- loadTasks(List<TaskMetadata> tasksMeta): void

+ addTask(TaskMetadata taskMeta): void

+ addTask(Task task): void

+ startCroning(): void

+ reloadTasks(List<TaskMetadata> tasks): void

<<TaskFactory>>

+ createTask(TaskMetadata meta): Task

TaskFactoryImpl

abstract Task

# taskMeta: TaskMetadata

+ name(): String

+ time(): CrontabTime

+ run(): void

CmdTask

PrintDotTask

TaskMetadata

- time: CrontabTime

- command: String

+ time(): CrontabTime

+ command(): String

CrontabTime

- second: CrontabTimeUnit

- minute: CrontabTimeUnit

- hour: CrontabTimeUnit

- dayOfMonth: CrontabTimeUnit

- month: CrontabTimeUnit

- dayOfWeek: CrontabTimeUnit

+ delay(): long

+ timeUnit(): TimeUnit

<<CrontabTimeUnit>>

+ isChanged(): boolean

+ delay(LocalDateTime current, int currentValue, boolean previousChanged): int

CrontabTimeGeneralUnit

# minValue: int

# maxValue: int

# period: int

# unitStr: String

# unit: CrontabTimeValue

# parser: CrontabTimeValueParser

# valueChanged: boolean

- isValueValid(int value): void

- checkValue(): void

CrontabTimeDayOfMonthUnit

CrontabTimeValue

+ valueType: CrontabTimeValueType

+ values: List<Integer>

CrontabTimeValueType: enum

+ LIST

+ ASTERISK

+ PERIOD

<<CrontabTimeValueParser>>

+ parse(String value): CrontabTimeValue

CrontabTimeValueGeneralParser

CrontabTimeValueNamedParser

- namedValues: Map<String, Integer>

Exceptions

TaskException

ParserException

FormatException