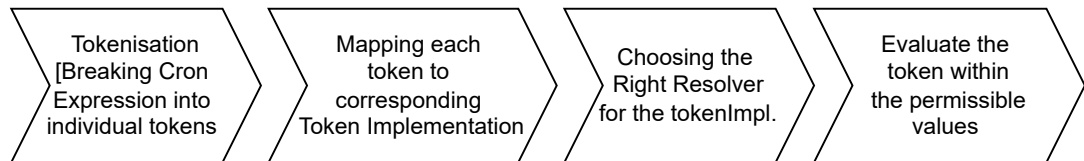


Cron Token Parser Class Hierarchy



Process Description



Example

Step 1. Input Cron Expression

```
*/15 0 1,15 * 1-5 /usr/bin/find
```

Step 2. Tokenize

```
Pair<CronTokenCategory, String>  
Pair.of(CronTokenCategory.MINUTE, "*/15")  
Pair.of(CronTokenCategory.HOUR, "0")  
Pair.of(CronTokenCategory.DAY_OF_MONTH, "1,15")  
Pair.of(CronTokenCategory.MONTH, "")  
Pair.of(CronTokenCategory.DAY_OF_WEEK, "1-5")  
Pair.of(CronTokenCategory.COMMAND, "/usr/bin/find")
```

Step 3. Get Equivalent CronTokenType

```
list<AbstractCronToken>  
[  
  new MinuteCronToken (value)  
  new HourCronToken (value)  
  new DayOfMonthCronToken (value)  
  new MonthCronToken (value)  
  new DayOfWeekCronToken (value)  
  new CommandCronToken (value)  
]
```

Step4: For each value of CronTokenType find the correct resolver based on the token value, Apply the right PermittedValue Value to the resolver

```
if (value is of type */15 for token type MinuteCronToken then  
CronTokenValue resolver will be StepOnlyResolver, With  
PermittedValue as 0 to 60.
```

Step5: Resolve the applicable value based on the token type and permitted value

```
return 0 15 30 45 as list
```