



- description :
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0 59 23 8 * ?

cRonstrue

⇒ "At 11:59 PM, on day 8 of the month"

" 8 11 59 " ()

cron Method

```
public static boolean isMatchCronExpression(String cronString, int
dayOffset) throws ParseException, Exception {

    boolean bRet = false;
    SimpleDateFormat dateFormat = new SimpleDateFormat("yyyyMMdd",
Locale.getDefault());

    try
    {
        Calendar cal = Calendar.getInstance();
        cal.setTime(new Date());
        cal.add(Calendar.DATE, dayOffset);

        CronExpression cronExp = new CronExpression(cronString);
        Date cronDate = cronExp.getNextValidTimeAfter(cal.getTime());

        String cronDateStr = dateFormat.format(cronDate);

        String compareDateStr = dateFormat.format(cal.getTime());

        return compareDateStr.equals(cronDateStr);
    }
    catch(ParseException ePe)
    {
        throw ePe;
    }
}
```

```
}  
catch(Exception eCommon)  
{  
    log.error("cronMatch error", eCommon);  
}  
  
return bRet;  
}
```

cron Test Method Detail

```
@Test  
public void cronTest() {  
  
    SimpleDateFormat dateFormat = new SimpleDateFormat("yyyyMMdd",  
Locale.getDefault());  
  
    String userCrontabInputText = "8 * ?";  
  
    String cronStr = "0 59 23 " + userCrontabInputText;  
  
    int userAlarmDt = -2;    // -2 '2 08 '  
  
    try  
    {  
        Calendar cal = Calendar.getInstance();    //  
        log.debug("1. cal = [{}]", cal);  
        //1. cal =  
[java.util.GregorianCalendar[time=1678751883285,areFieldsSet=true,areAllFieldsSet=true,lenient=true,  
//zone=sun.util.calendar.ZoneInfo[id="Asia/Seoul",offset=32400000,dstSavings=0,useDaylight=false,transitions=30,  
//lastRule=null],firstDayOfWeek=1,minimalDaysInFirstWeek=1,ERA=1,YEAR=2023,MONTH=2,WEEK_OF_YEAR=11,WEEK_OF_MONTH=3,  
//DAY_OF_MONTH=14,DAY_OF_YEAR=73,DAY_OF_WEEK=3,DAY_OF_WEEK_IN_MONTH=2,AM_PM=0,HOUR=8,HOUR_OF_DAY=8,MINUTE=58,SECOND=3,  
//MILLISECOND=285,ZONE_OFFSET=32400000,DST_OFFSET=0]]  
  
        cal.setTime(ndw Date());    //  
        cal  
        log.debug("2. cal.getTime() = [{}]", cal.getTime());    //2. cal =  
[2023-03-14T08:58:03.295+0900]  
  
        cal.add(Calendar.DATE, userAlarmDt);    //
```

```
}  
  
}
```

Ref Link

[cronstrue-translate cron expression to human readable descriptions](#)

, [cron](#), , II

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