

Apex get outstanding scheduled jobs

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Apex Apex Scheduled Job

Get outstanding scheduled Apex jobs

```
public static Integer getOutstandingJobs(String jobName){
    // Job Types:
    // Data Export (0)
    // Dashboard Refresh (3)
    // Analytic Snapshot (4)
    // Scheduled Apex (7)
    // Report Run (8)
    // Batch Job (9)

    // The current state of the job. The job state is managed by the system. Possible values are:
    // WAITING: The job is waiting for execution.
    // ACQUIRED: The job has been picked up by the system and is about to execute.
    // EXECUTING: The job is executing.
    // COMPLETE: The trigger has fired and is not scheduled to fire again.
    // ERROR: The trigger definition has an error.
    // DELETED: The job has been deleted.
    // PAUSED: A job can have this state during patch and major releases. After the release has finished, the job state is automatically set to WAITING or another state.
    // BLOCKED: Execution of a second instance of the job is attempted while one instance is running. This state lasts until the first job instance is completed.
    // PAUSED_BLOCKED: A job has this state due to a release occurring. When the release has finished and no other instance of the job is running, the job's status is set to another state.

    // hardcoded to type=7, as it is the schedule job
    CronTrigger[] cts = [SELECT Id, CronExpression, StartTime, EndTime, PreviousFireTime, NextFireTime,
        State, CronJobDetail.Id, CronJobDetail.Name, CronJobDetail.JobType
        FROM CronTrigger
        WHERE CronJobDetail.JobType = '7'
        AND State = 'WAITING'
        AND CronJobDetail.Name like :jobName+'%' ];
    // this query check for any "waiting" job that match the jobname... doesn't really care when it is fired
    // this check make sure we don't schdule more than 1 job with the same name
    //for(CronTrigger c: cts){system.debug(c);}
    return cts.size();
}
```